Delineation of Waters of the United States

±124-Acre SPTC-JPA Nature Trail Project City of Folsom, Sacramento County and El Dorado County, California

Prepared for: U.S. Army Corps of Engineers

Contracted by: Sacramento-Placerville Transportation Corridor Joint Power Authority

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A total of 2.353 acres of aquatic features were mapped within the Study Area. This acreage is comprised of 0.763 acres of depressional seasonal wetland, 0.144 acres of riverine seasonal wetland, 0.643 acres of perennial drainage, 0.635 acres of ephemeral drainage, and 0.168 acres of intermittent drainage.

1.0 INTRODUCTION

The purpose of this report is to present the results of a formal delineation of jurisdictional waters of the U.S., including wetlands, on the \pm 124-acre Sacramento-Placerville Transportation Corridor (SPTC)-Joint Power Authority (JPA) Nature Trail Project (Study Area), located in the City of Folsom, Sacramento County and in El Dorado County, California (**Figure 1**).

This report presents the results of Foothill Associates' review of available literature, aerial photographs, soil surveys, and fieldwork within the Study Area. These results are summarized to depict wetlands following the technical guidelines provided in the 1987 U.S. Army Corps of Engineers Wetlands Delineation Manual and Arid West Regional Supplement (Corps 2008) for identifying wetlands and distinguishing them from aquatic habitats and other non-wetlands.

Contact information and directions to the Study Area are provided in **Appendix A**. The delineation methodology is described in this report, followed by the results of the delineation. Details regarding soils (**Figure 2**), topography, hydrology, and vegetation are summarized herein and routine wetland determination data forms are provided in **Appendix B**. An overview of the delineation map is provided in **Figure 3**. A detailed delineation map illustrates potential waters of the U.S. within the Study Area is included in **Figure 4**.

2.0 REGULATORY BACKGROUND

The U.S. Army Corps of Engineers (Corps) regulates discharge of dredged or fill material into waters of the U.S. under Section 404 of the Clean Water Act (CWA). "Discharge of fill material" is defined as the addition of fill material into waters of the U.S., including, but not limited to the following: placement of fill that is necessary for the construction of any structure, or impoundment requiring rock, sand, dirt, or other material for its construction; site-development fills for recreational, industrial, commercial, residential, and other uses; causeways or road fills; fill for intake and outfall pipes and subaqueous utility lines [33 C.F.R. §328.2(f)].

Section 401 of the CWA (33 U.S.C. 1341) requires any applicant for a federal license or permit to conduct any activity that may result in a discharge of a pollutant into waters of the U.S. to obtain a certification that the discharge will comply with the applicable effluent limitations and water quality standards.

Section 404 of the CWA requires approval prior to discharging dredged or fill material into the waters of the U.S. Typical activities requiring Section 404 permits are:

- Depositing of fill or dredged material in waters of the U.S. or adjacent wetlands.
- Site development fill for residential, commercial, or recreational developments.
- Construction of revetments, groins, breakwaters, levees, dams, dikes, and weirs.
- Placement of riprap and road fills.

Section 10 of the Rivers and Harbors Act of 1899 requires approval prior to the accomplishment of any work in or over navigable waters of the U.S., or which affects the course, location, condition, or capacity of such waters. Typical activities requiring Section 10 permits are:

- Construction of piers, wharfs, bulkheads, dolphins, marinas, ramps, floats, intake structures, and cable or pipeline crossings.
- Dredging and excavation.

Any person, firm, or agency (including federal, State, and local government agencies) planning to work in navigable waters of the U.S., or dump or place dredged or fill material in waters of the U.S., must first obtain a permit from the Corps. Permits, licenses, variances, or similar authorization may also be required by other federal, State and local statutes.

2.1 Waters of the United States

33 C.F.R. Section 328.3 provides that "waters of the U.S." include all waters that are currently used, or were used in the past, or are susceptible to use in interstate commerce, all interstate waters and wetlands, and all intrastate lakes, rivers or streams which could affect interstate commerce. In addition, this regulation provides jurisdiction over waters that are tributary to these waters, and "wetlands" adjacent to them. Section 10 and/or Section 404 permits are required for construction activities in these waters. Boundaries between jurisdictional waters and uplands are determined in a variety of ways depending on which type of water is present. Methods for delineating wetlands and non-tidal waters are described below.

- Wetlands are defined as "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" [33 C.F.R. §328.3(b)]. Presently, to be a wetland, a site must exhibit positive indicators of three wetland criteria: hydrophytic vegetation, hydric soils, and wetland hydrology existing under the "normal circumstances" for the site.
- The lateral regulatory extent of non-tidal waters is determined by delineating the ordinary high water mark (OHWM) [33 C.F.R. §328.4(c)(1)]. The OHWM is defined by the Corps as "that line on shore established by the fluctuations of water and indicated by physical character of the soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas" [33 C.F.R. §328.3(e)].

2.2 The SWANCC Decision

The Solid Waste Agency of Northern Cook County v. the U.S. Army Corps of Engineers, 531 U.S. 159 (2001), is more commonly referred to as the SWANCC decision. SWANCC involved a challenge to CWA jurisdiction over certain isolated, intrastate, non-navigable ponds in Illinois that formerly had been gravel mine pits, but which, over time, provided habitat for migratory birds. Although these ponds served as migratory bird habitat, they were non-navigable and isolated from the tributary system of other waters regulated under the CWA. In SWANCC, the Supreme Court held that the Corps had exceeded its authority in asserting CWA jurisdiction pursuant to § 404(a) over the waters at issue based on their use as habitat for migratory birds, pursuant to preamble language, commonly referred to as the Migratory Bird Rule (51 Fed. Reg. 41217 (1986)).

SWANCC squarely eliminates CWA jurisdiction over isolated waters that are intrastate and non-navigable, where the sole basis for asserting CWA jurisdiction is the actual or potential use of the waters as habitat for migratory birds that cross state lines in their migrations. CWA jurisdiction extends to waters, including wetlands, which are adjacent to navigable waters pursuant to the Supreme Court holding in Riverside Bayview Homes, which was endorsed in SWANCC as controlling law. Corps and the U.S. Environmental Protection Agency regulations currently define the term adjacent as "bordering, contiguous, or neighboring" 33 C.F.R. § 328.3(b). The case law on the precise scope of federal CWA jurisdiction since SWANCC is still developing.

2.3 The California Porter-Cologne Water Quality Control Act

Water quality in California is governed by the Porter-Cologne Water Quality Control Act (Porter Cologne; Ca. Water Code, Div. 7, §13000 et seq.). Under the California Porter-Cologne Water Quality Control Act, discharges to wetlands and other "waters of the state" have been and remain subject to state regulation. Under California State law, "waters of the state" are defined as "any surface water or groundwater, including saline waters, within the boundaries of the state." This law assigns overall responsibility for water rights and water quality protection to the State Water Resource Control Board (SWRCB) and directs the nine statewide Regional Water Quality Control Boards to develop and enforce water quality standards within their boundaries.

After the Supreme Court decision in *Solid Waste Agency of Northern Cook County v. the U.S. Army Corps of Engineers* the Office of Chief Counsel of the SWRCB released a legal memorandum confirming the State's jurisdiction over isolated wetlands. The memorandum stated that under the California Porter-Cologne Water Quality Control Act, discharges to wetlands and other waters of the state are subject to State regulation, including isolated wetlands.

In general, the Regional Water Quality Control Board regulates discharges to isolated waters in much the same way as they do for Federal-jurisdictional waters, using the Porter-Cologne Act rather than CWA authority.

2.4 El Dorado County General Plan

In addition to federal and State regulations, *The El Dorado County General Plan* (General Plan) includes goals, objectives, and policies regarding biological resources. Sections relevant to this project are summarized below.

CONSERVATION AND PROTECTION OF WATER RESOURCES

GOAL 7.3: WATER QUALITY AND QUANTITY Conserve, enhance, and manage water resources and protect their quality from degradation.

OBJECTIVE 7.3.1: WATER RESOURCE PROTECTION Preserve and protect the supply and quality of the County's water resources including the protection of critical watersheds, riparian zones, and aquifers.

Policy 7.3.1.1 Encourage the use of Best Management Practices, as identified by the Soil Conservation Service, in watershed lands as a means to prevent erosion, siltation, and flooding.

- Policy 7.3.1.2 Establish water conservation programs that include both drought tolerant landscaping and efficient building design requirements as well as incentives for the conservation and wise use of water.
- Policy 7.3.1.3 The County shall develop the criteria and draft an ordinance to allow and encourage the use of domestic gray water for landscape irrigation purposes. (See Title 22 of the State Water Code and the Graywater Regulations of the Uniform Plumbing Code).

OBJECTIVE 7.3.2: WATER QUALITY Maintenance of and, where possible, improvement of the quality of underground and surface water.

- Policy 7.3.2.1 Stream and lake embankments shall be protected from erosion, and streams and lakes shall be protected from excessive turbidity.
- Policy 7.3.2.2 Projects requiring a grading permit shall have an erosion control program approved, where necessary.
- Policy 7.3.2.3 Where practical and when warranted by the size of the project, parking lot storm drainage shall include facilities to separate oils and salts from storm water in accordance with the recommendations of the Storm Water Quality Task Force's California Storm Water Best Management Practices Handbooks (1993).
- Policy 7.3.2.4 The County should evaluate feasible alternatives to the use of salt for ice control on County roads.
- Policy 7.3.2.5 As a means to improve the water quality affecting the County's recreational waters, enhanced and increased detailed analytical water quality studies and monitoring should be implemented to identify and reduce point and non-point pollutants and contaminants. Where such studies or monitoring reports have identified sources of pollution, the County shall propose means to prevent, control, or treat identified pollutants and contaminants.

OBJECTIVE 7.3.3: WETLANDS Protection of natural and man-made wetlands, vernal pools, wet meadows, and riparian areas from impacts related to development for their importance to wildlife habitat, water purification, scenic values, and unique and sensitive plant life.

Policy 7.3.3.1 For projects that would result in the discharge of material to or that may affect the function and value of river, stream, lake, pond, or wetland features, the application shall include a delineation of all such features. For wetlands, the delineation shall be conducted using the U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual.

- Policy 7.3.3.2 Intentionally blank
- *Policy 7.3.3.3 The County shall develop a database of important surface water features, including lake, river, stream, pond, and wetland resources.*
- Policy 7.3.3.4 The Zoning Ordinance shall be amended to provide buffers and special setbacks for the protection of riparian areas and wetlands. The County shall encourage the incorporation of protected areas into conservation easements or natural resource protection areas.

Exceptions to riparian and wetland buffer and setback requirements shall be provided to permit necessary road and bridge repair and construction, trail construction, and other recreational access structures such as docks and piers, or where such buffers deny reasonable use of the property, but only when appropriate mitigation measures and Best Management Practices are incorporated into the project. Exceptions shall also be provided for horticultural and grazing activities on agriculturally zoned lands that utilize "best management practices (BMPs)" as recommended by the County Agricultural Commission and adopted by the Board of Supervisors.

Until standards for buffers and special setbacks are established in the Zoning Ordinance, the County shall apply a minimum setback of 100 feet from all perennial streams, rivers, lakes, and 50 feet from intermittent streams and wetlands. These interim standards may be modified in a particular instance if more detailed information relating to slope, soil stability, vegetation, habitat, or other site- or project-specific conditions supplied as part of the review for a specific project demonstrates that a different setback is necessary or would be sufficient to protect the particular riparian area at issue.

For projects where the County allows an exception to wetland and riparian buffers, development in or immediately adjacent to such features shall be planned so that impacts on the resources are minimized. If avoidance and minimization are not feasible, the County shall make findings, based on documentation provided by the project proponent, that avoidance and minimization are infeasible.

Policy 7.3.3.5 Rivers, streams, lakes and ponds, and wetlands shall be integrated into new development in such a way that they enhance the aesthetic and natural character of the site while disturbance to the resource is avoided or minimized and fragmentation is limited.

OBJECTIVE 7.3.4: DRAINAGE Protection and utilization of natural drainage patterns.

- Policy 7.3.4.1 Natural watercourses shall be integrated into new development in such a way that they enhance the aesthetic and natural character of the site without disturbance.
- *Policy* 7.3.4.2 *Modification of natural stream beds and flow shall be regulated to ensure that adequate mitigation measures are utilized.*

3.0 METHODOLOGY

3.1 Site-Specific References

Available information pertaining to the natural resources of the region was reviewed. All references reviewed for this delineation are listed in **Section 6.0**. Pertinent site-specific references utilized for the delineation include the following:

- Baldwin, B.G., D.H. Goldman, D.J. Keil, R. Patterson, T.J. Rosatti, and D.H. Wilken, editors. 2012. *The Jepson Manual: Vascular Plants of California, Second Edition*. University of California, Berkeley;
- Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual*. U.S. Army Corps of Engineers Waterways Experiment Station. Vicksburg, MS;
- Lichvar, R.W. 2012. *The National Wetland Plant List. ERDC/CRREL TR-12-11*. Hanover, NH: U.S. Army Corps of Engineers, Cold Regions Research and Engineering Laboratory;
- U.S. Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS). 1993. *Soil Survey of Sacramento County, California*. U.S. Department of Agriculture;
- U.S. Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS). 1974. *Soil Survey of El Dorado Area, California*. U.S. Department of Agriculture; and
- U.S. Army Corps of Engineers (Corps). 2008. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0).* September 2008.

3.2 Research and Field Methodology

This delineation utilized the Corps' 1987 three-parameter (vegetation, hydrology, and soils) methodology to delineate jurisdictional waters of the U.S., focusing specifically on jurisdictional wetlands. The Arid West Supplement was used in conjunction with the Corps Manual for this specific application. Where differences in the two documents occur, the Arid West Supplement takes precedence over the Corps Manual.

A review of current and historic aerial photographs, topographic maps, the National Wetland Inventory (NWI), and soil survey data was conducted before delineating the Study Area. Foothill Associates' biologists conducted delineations and biological surveys on December 18, 19, 23, and 29, 2014. During the surveys, Foothill Associates' biologists visually inspected the entire Study Area to delineate potential waters of the U.S. Soil, vegetative, and hydrological data were recorded. The location of each data point is depicted in **Figure 4** and corresponding routine wetland determination data forms

are provided in **Appendix B**. The results of the biological surveys are provided under a separate cover (Foothill Associates 2015).

3.3 GPS Data Integration

Boundaries of aquatic features within the Study Area were surveyed and mapped with a Trimble GeoXT Global Positioning System (GPS) hand-held unit. This is a mappinggrade GPS unit capable of real-time differential correction and sub-meter accuracy. The GPS data were downloaded from the unit and differentially corrected utilizing Trimble Pathfinder Office software and appropriate base station data, and then converted to ESRI® shape file format. Data are typically exported to the Geographic Information System (GIS) software in the State Plane coordinate system (NAD 83) with units as "survey feet." Within the GIS, data are edited and linear features are built into polygons using recorded width information. All aquatic feature shape files are merged to create a single file with calculated acreages. These results are presented in **Figure 4**.

4.1 Study Description

4.1.1 Study Area Location

The ± 124 -acre Study Area is located within the SPTC from mile point 116, located within the Folsom City limits at Iron Point Road and Placerville Road in Sacramento County, south to mile point 126 near the community of Latrobe, in El Dorado County, California. The Study Area is located within Township 9 North, Range 8 East, Sections 8, 9, 15, 16, 22, 23, 25, 26, and 36, Township 9 North, Range 9 East, Sections 29, 30, 31, and 32, and Township 8 North, Range 9 East, Sections 4, 5, and 9 of the *Clarksville*, *Folsom SE*, and *Latrobe* quadrangles. The approximate location of the Study Area is 38° 35' 58.8" North, 121° 2' 30.0" West (**Figure 1**).

4.1.2 Land Use

The Study Area is bordered by commercial development to the north, by pastureland and low density housing through the central portion of the Study Area, and by residential development to the south.

4.1.3 Site History and Description

The Study Area is historically a Southern Pacific Railroad easement that ranges from 66 to 200 feet in width. The Study Area is comprised primarily of disturbed/developed areas and disturbed nonnative annual grassland. Oak woodland surrounds the southern half of the Study Area. Several drainages and seasonal wetlands occur within the Study Area.

4.2 Physical Features

4.2.1 Soils

The Natural Resources Conservation Service (NRCS) mapped 11 soil units within the Study Area (**Figure 2**). General characteristics associated with these soils units are described below (USDA, NRCS 1974, 1993, and 2013).

Sacramento County

• (107) Argonaut-Auburn Complex, 3 to 8 Percent Slopes: This soil unit is composed of approximately 45 percent Argonaut soil and 35 percent Auburn soil. This soil type is found in foothills from 160 to 660 feet above mean sea level (MSL). The native vegetation of this soil type is annual grasses and herbaceous species with a few scattered oaks. The Argonaut soil is moderately deep and well drained. Permeability is very slow and runoff is medium. It formed in material weathered from metaandesite and metamorphic rocks. The Auburn soil is shallow or moderately deep and well-drained. It formed in material weathered from metabasic and

metasedimentary rocks. Permeability is moderate and runoff is medium. The hydric soils list for Sacramento County does not identify this soil type as hydric (USDA, NRCS 2014).

- (110) Auburn-Argonaut-Rock Outcrop Complex, 8 to 30 Percent Slopes: This soil unit is composed of approximately 40 percent Auburn soil, 35 percent Argonaut soil, and 10 percent rock outcrop. This soil unit is found in foothills from 150 to 830 feet above MSL. The Auburn soil is shallow or moderately deep and well-drained. It formed in material weathered from metabasic and metasedimentary rocks. Permeability is moderate and runoff is medium. The Argonaut soil is moderately deep and well drained. Permeability is very slow and runoff is medium. It formed in material weathered from metaandesite and metmorphic rocks. The hydric soils list for Sacramento County does not identify this soil type as hydric (USDA, NRCS 2014).
- (237) Whiterock Loam, 3 to 30 Percent Slopes: This soil unit is found on foothills from 160 to 530 feet above MSL. This soil type is material weathered from vertically tilted metasedimentary rocks. This soil type is very shallow and somewhat excessively drained. Permeability is moderate and runoff is medium or rapid. The hydric soils list for Sacramento County does not identify this soil type as hydric (USDA, NRCS 2014).

El Dorado County

- (AmD) Argonaut Very Rocky Loam, 3 to 30 Percent Slopes: This soil unit is found on ridges between 120 and 2,500 feet above MSL. Argonaut soil consists of well drained soils with a depth to water table of more than 80 inches. This soil type has a parent material of residuum weathered from andesite and/or residuum weathered from metasedimentary rock. The hydric soils list for El Dorado County does not identify this soil type as hydric (USDA, NRCS 2014).
- (AyF) Auburn Extremely Rocky Silt Loam, 3 to 70 Percent Slopes: This soil unit occurs on slopes that dominantly range from 15 to 50 percent. Bedrock outcroppings occur on the surface of this soil type at a frequency of 25 to 50 percent. The Auburn series consists of well drained soils underlain by hard metamorphic rocks at a depth of 12 to 20 inches. Permeability is moderate and surface runoff is slow to very rapid. The hydric soils list for El Dorado County does not identify this soil as hydric (USDA, NRCS 2014).
- (AwD) Auburn Silt Loam, 2 to 30 Percent Slopes: This soil unit occurs on undulating to very steep foothills, typically located between 500 to 1,800 feet above MSL. Bedrock outcroppings occur on the surface of this soil type at a frequency of less than 5 percent. The Auburn series consists of well drained soils underlain by hard metamorphic rocks at a depth of 12 to 26 inches. Permeability is moderate and surface runoff is slow to medium. The hydric soils list for El Dorado County does not identify this soil as hydric (USDA, NRCS 2014).

- (AxD) Auburn Very Rocky Silt Loam, 2 to 30 Percent Slopes: This soil unit occurs on the more prominent steep to very steep foothills and slopes descending into creek channels and drainageways, typically located between 500 to 1,800 feet above MSL. Bedrock outcroppings occur on the surface of this soil type at a frequency of 5 to 25 percent. The Auburn series consists of well drained soils underlain by hard metamorphic rocks at a depth of 12 to 26 inches. Permeability is moderate and surface runoff is slow to medium. The hydric soils list for El Dorado County does not identify this soil as hydric (USDA, NRCS 2014).
- (PgB) Perkins Gravelly Loam, Moderately Deep Variant, 2 to 5 Percent Slopes: This soil unit is found on hillslopes from 450 feet to 700 feet above MSL. This soil type has a parent material of consolidated gravelly alluvium derived from igneous, metamorphic and secimentary rock. The depth to water table for this soil type is more than 80 inches. The hydric soils list for El Dorado County does not identify this soil type as hydric (USDA, NRCS 2014).
- (PrD) Placer Diggings: This soil type is found in channels and has a parent material of alluvium derived from mixed sources. The depth to restrictive feature is more than 80 inches. The hydric soils list for El Dorado County identifies this soil type as hydric (USDA, NRCS 2014).
- (TaD) Tailings: This soil type consists of fragmental material. Available water storage in profile is very low. The hydric soils list for El Dorado County identifies this soil type as hydric (USDA, NRCS 2014).
- (WhE) Whiterock Gravelly Silt Loam, 3 to 50 Percent Slopes: This soil is found on hillslopes from 300 feet to 2,000 feet above MSL. This soil type has a parent material of residuum weathered from slate. The depth to water table for this soil is more than 80 inches. The hydric soils list for El Dorado County does not identify any hydric components or inclusions as present within this soil type (USDA, NRCS 2014).

4.2.2 Topography

The general topography of the Study Area has been largely influenced by the construction of the railroad. The immediate area paralleling the railroad tracks appears relatively flat, but maintains a three percent grade or less throughout its length. The rest of the corridor land varies widely from gently sloping to steeply sloping. Elevations range from 423 feet above MSL in the northern portion of the Study Area to 780 feet above MSL in the southern portion of the Study Area.

4.2.3 Hydrology

The Study Area consists of three main perennial drainages: Carson Creek, Latrobe Creek, and Deer Creek. Carson Creek and Latrobe Creek are tributary to Deer Creek, which flows into the Cosumnes River, a navigable waters of the U.S. The Cosumnes River is tributary to the Sacramento River. Many intermittent and ephemeral drainages

bisect the Study Area. These drainages generally begin east of the Study Area as head waters in the foothills, and flow west to the main drainages.

4.3 Vegetation

The following terrestrial biological communities occur within the Study Area: disturbed/developed, disturbed non-native grassland, oak woodland, and riparian. Dominant vegetation observed within these biological communities is discussed further below. The following aquatic biological communities occur within the Study Area: depressional and riverine seasonal wetland, perennial drainage, intermittent drainage, and ephemeral drainage. Dominant upland and hydrophytic vegetation occurring within the aquatic biological communities are described in detail in **Section 4.4**.

4.3.1 Disturbed/Developed

The disturbed/developed area occurs throughout the Study Area and is comprised of the railroad track and the associated gravel surrounding the railroad track and ornamental landscaping. The majority of the disturbed/developed areas lack herbaceous vegetation.

4.3.2 Non-Native Annual Grassland

The majority of the Study Area is comprised of disturbed non-native annual grassland, which is characterized primarily by an assemblage of non-native grasses and herbaceous species. Dominant vegetation includes soft chess (*Bromus hordeaceus*), ripgut brome (*Bromus diandrus*), wild oat (*Avena barbata*), barley (*Hordeum murinum ssp. leporinum*), winter vetch (*Vicia villosa*), and pigweed (*Amaranthus sp.*).

4.3.3 Oak Woodland

Oak woodland occurs within the southeastern portion of the Study Area. This habitat type has a canopy of blue oak (*Quercus douglasii*), interior live oak (*Quercus wislizeni*), and gray pine (*Pinus sabiniana*) with an understory of non-native annual grassland.

4.3.4 Riparian

Riparian habitat occurs within the Study Area surrounding the perennial aquatic features. Dominant vegetation includes willow (*Salix* sp.), Himalayan blackberry (*Rubus armeniacus*), Fremont cottonwood (*Populus fremontii*), gray pine, and interior live oak.

4.4 Classification of Mapped Features

Potential jurisdictional features mapped within the Study Area include the following: seasonal wetland, perennial drainage, intermittent drainage, and ephemeral drainage. The characteristics of these mapped features are described below.

4.4.1 Seasonal Wetland

A total of **0.907 acres** of seasonal wetland has been delineated within the Study Area (**Figure 3** and **Figure 4**). Of the 0.907 acres, 0.763 acres are depressional seasonal wetlands and 0.144 acres are riverine seasonal wetlands. The hydrologic regime is generally saturated rather than inundated. Dominant vegetation includes cattail (*Typha* sp.), perennial ryegrass (*Festuca perennis*), Mediterranean barley (*Hordeum marinum*), cocklebur (*Xanthium strumarium*), spikerush (*Eleocharis macrostachya*), curly dock (*Rumex crispus*), and flat nutsedge (*Cyperus eragrostis*).

4.4.2 Perennial Drainage

A total of **0.643 acres** of perennial drainage has been delineated within the Study Area (**Figure 3** and **Figure 4**). Perennial drainages are defined as well-defined channels that contain water year-round, during a year with normal rainfall, with the aquatic bed below the water table for most of the year. The three perennial drainages that occur within the Study Area include Carson Creek, Latrobe Creek, and Deer Creek. Dominant vegetation includes those identified within the riparian biological community.

4.4.3 Intermittent Drainage

A total of **0.168 acres** of intermittent drainage have been delineated within the Study Area (**Figure 3** and **Figure 4**). Intermittent drainages are defined as well-defined channels that contain water for only part of the year, typically during the winter and spring when the aquatic bed is below the water table. Dominant species occurring along the banks of the intermittent drainages include curly dock, perennial ryegrass, Mediterranean barley, and cocklebur.

4.4.4 Ephemeral Drainage

A total of **0.635 acres** of ephemeral drainage have been delineated within the Study Area (**Figure 3** and **Figure 4**). Ephemeral drainages are primarily fed by storm water runoff. These features convey flows during and immediately after storm events but may stop flowing or begin to dry if the interval between storm events is long enough. Typically, these features exhibit a defined bed and bank and often show signs of scouring as a result of rapid flow events. Dominant species occurring along the banks of the ephemeral drainages consist of upland species including barley, soft chess, wild oat, and ripgut grass.

5.0 CONCLUSIONS

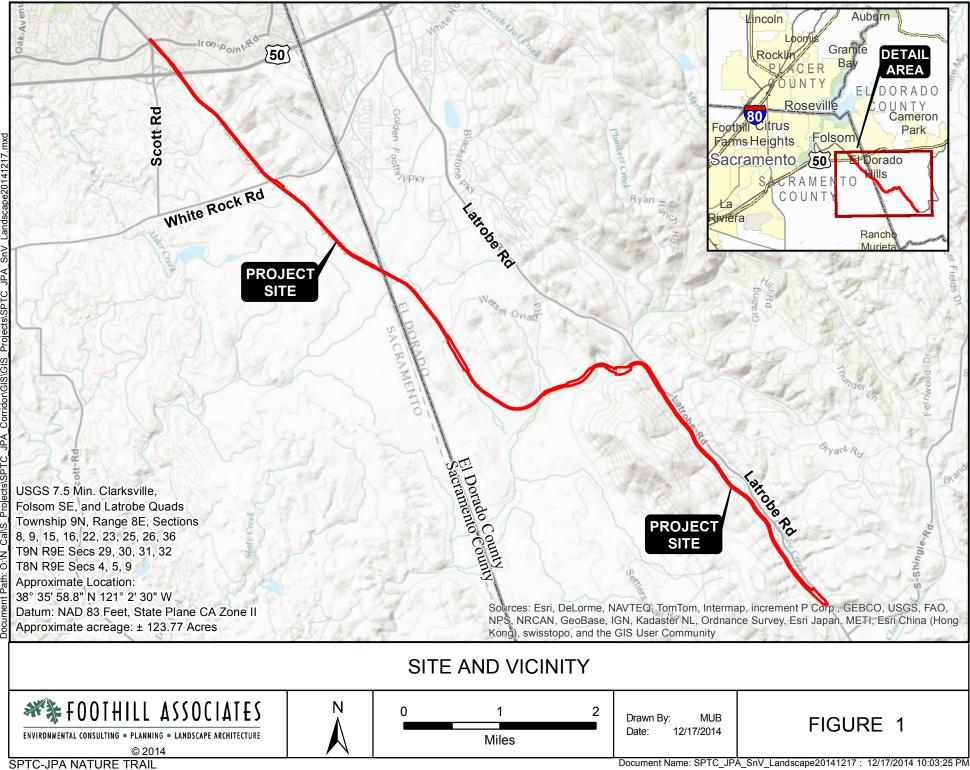
Potentially jurisdictional wetlands identified in the Study Area include seasonal wetland, perennial drainage, intermittent drainage, and ephemeral drainage. **Table 1** provides acreages per class and summarizes the total acreage of estimated potential wetlands and waters of the U.S. within the Study Area.

Classification	Total Acreage
Depressional Wetlands	
Seasonal Wetland	0.763
Riverine Wetlands	
Seasonal Wetland	0.144
Perennial Drainage	0.643
Other Waters of the U.S.	
Ephemeral Drainage	0.635
Intermittent Drainage	0.168
Total	2.353

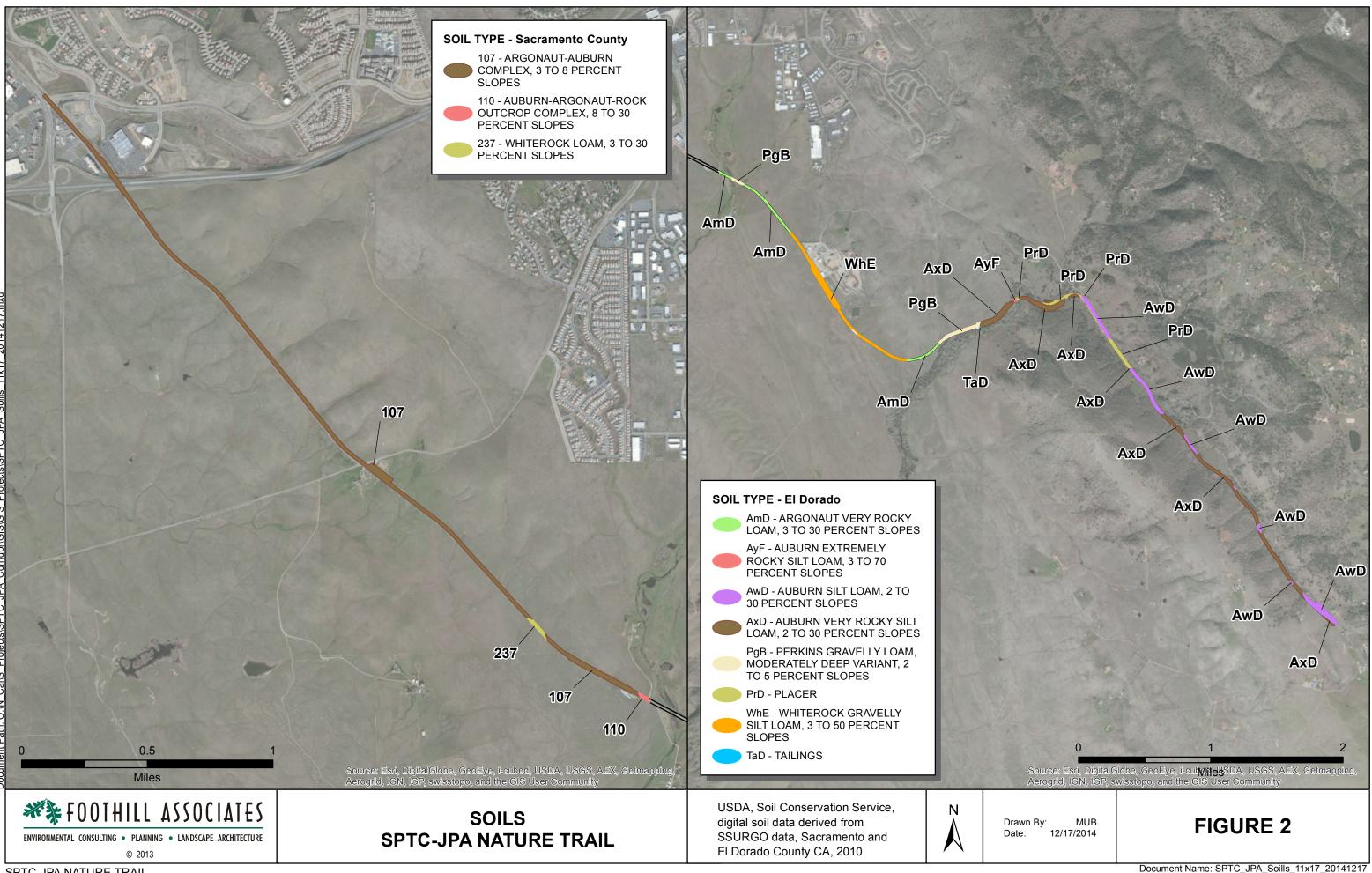
Table 1 — Waters of the U.S: Acreage According to Feature

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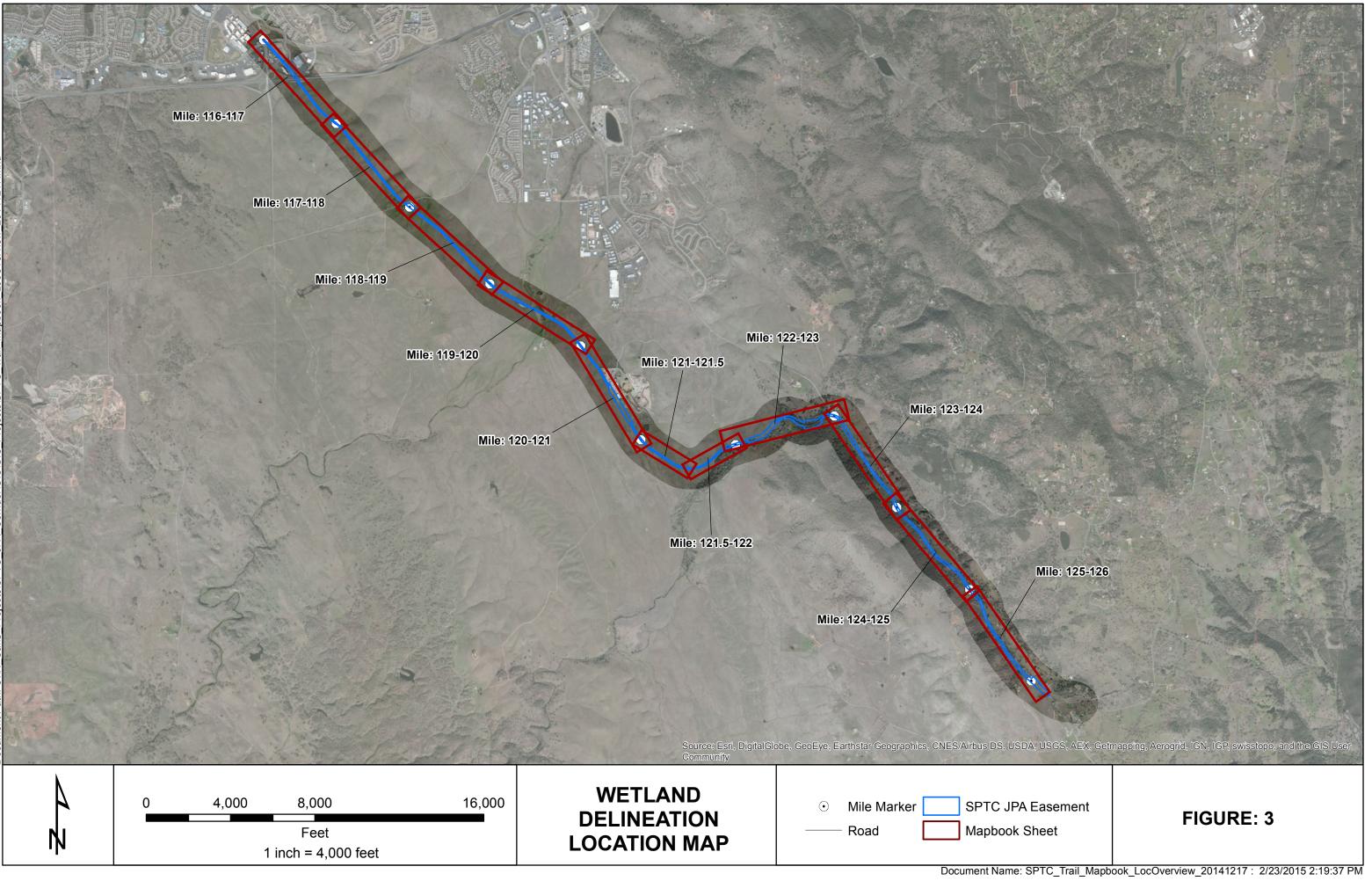
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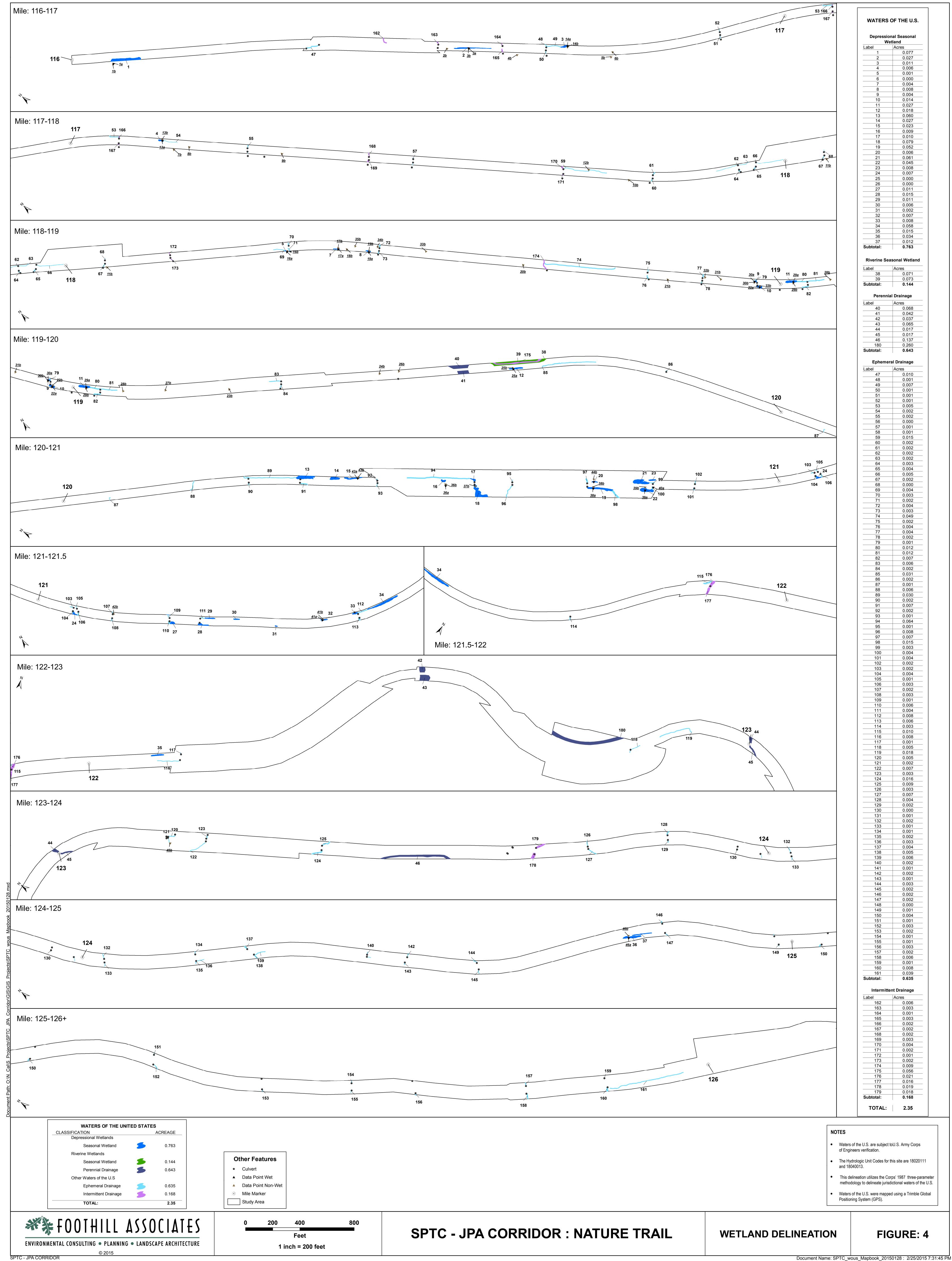


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SPTC-JPA NATURE TRAIL





Appendix A — Contact Information

Owner's Representative	
Contact Information:	John Segerdell Sacramento-Placerville Transportation Corridor-Joint Power Authority 1329 Howe Avenue, Suite 110 Sacramento, CA 95825 Phone: (916) 924-8800 jsegerdell@pghwong.com
Delineation Conducted by:	Kirk Vail, Biologist Foothill Associates 590 Menlo Drive, Suite 5 Rocklin, CA 95765 Phone: (916) 435-1202 Fax: (916) 435-1205 <u>kvail@foothill.com</u>
	Kelly Bayne, Senior Biologist Foothill Associates 590 Menlo Drive, Suite 5 Rocklin, CA 95765 Phone: (916) 435-1202 Fax: (916) 435-1205 <u>kbayne@foothill.com</u>
Directions to Study Area:	From Sacramento, take U.S. Highway 50 East for 21.6 miles. Take the East Bidwell Street/Scott Road exit. Turn left onto East Bidwell Street and drive ½ mile to the northern boundary of the Study Area.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project Site: SPTC-JPA					City/Count	y: Folsom/Sacramento S	ampling Date:	<u>12/18</u> /	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	nent		State: <u>CA</u> Sa	ampling Point:	<u>1a</u>		
Investigator(s): KCV and KEB					Section, T	ownship, Range: <u>S 9, T 9 N, R 8 E</u>				
Landform (hillslope, terrace, etc.): Bottom of hillslope	2			Lo	cal relief (cor	ncave, convex, none): <u>concave</u>	Slo	pe (%):	<1	
Subregion (LRR): <u>C</u>	Lat: 3	88.64	792			Long: <u>-121.11484</u>	Datum: <u>N</u>	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes			NWI classificat	ion: <u>Seasona</u>	al Wetla	nd	
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No 🔲 (If no, explain in Remar	ks.)			
Are Vegetation \Box , Soil \Box , or Hydrology	🗌 sig	nifica	ntly dis	sturbec	l? Are "	Normal Circumstances" present?	Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗌 nat	urally	y proble	ematic	? (If ne	eded, explain any answers in Remarks.)				
	!				lesstions	4				
SUMMARY OF FINDINGS – Attach site map sh Hydrophytic Vegetation Present?	Yes	sam ⊠	No No		locations,	transects, important features, etc	<i>.</i>			
Hydric Soil Present?	Yes		No		Is the Sam	pled Area within a Wetland?	Yes		No	
Wetland Hydrology Present?	Yes		No				100			
Remarks: Seasonal Wetland	105		110							
VEGETATION – Use scientific names of plants	5.									
Tree Stratum (Plot size:)	Absolute % Cove		Domin Specie		Indicator Status	Dominance Test Worksheet:				
1.	<u>/6 COVE</u>	<u>.</u>		<u>55 :</u>	Status	Number of Dominant Species				
2.						That Are OBL, FACW, or FAC:	<u>1</u>			(A)
3						Total Number of Dominant	4			
4						Species Across All Strata:	<u>1</u>			(B)
50% =, 20% =			= Tota	l Cove	r	Percent of Dominant Species	100			(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are OBL, FACW, or FAC:	100			(,,,,,)
1						Prevalence Index worksheet:				
2						Total % Cover of :	<u>Multipl</u>	<u>y by:</u>		
3						OBL species	x1 =		-	
4						FACW species	x2 =		-	
5						FAC species	x3 =		-	
50% =, 20% =			= Tota	I Cove	r	FACU species	x4 =		_	
Herb Stratum (Plot size:)						UPL species	x5 =		_	
1. <u>Typha latifolia</u>	<u>25</u>		<u>yes</u>		<u>OBL</u>	Column Totals: (A)			_ (B)
2. <u>Salix gooddingii</u>	<u>10</u>		<u>no</u>		FACW	Prevalence Index =	B/A =			
3. <u>Cyperus eragrostis</u>	<u>10</u>		no		<u>OBL</u>	Hydrophytic Vegetation Indicators:				
4. <u>Eleochaeris macrostachya</u>	<u>10</u>		no		OBL	Dominance Test is >50%				
5						Prevalence Index is $\leq 3.0^1$				
6						Morphological Adaptations ¹	(Provide supp	porting		
7						data in Remarks of on a set	barate sheet)			
8			<u> </u>			Problematic Hydrophytic Ve	getation ¹ (Exp	olain)		
50% =, 20% =	<u>55</u>		= Tota	I Cove	r	¹ Indicators of hydric soil and wetland hy	drology myst			
Woody Vine Stratum (Plot size:)						be present, unless disturbed or problem				
1										
2						Hydrophytic				_
50% =, 20% =			= Tota	l Cove	r	Vegetation Y	es 🛛	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Present?				
Remarks:										

US Army Corps of Engineers

Arid West – Version 2.0

Project Site:	SPTC-JPA
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-JPA

Profile Description: (Description: (D	SOIL Sampling Point: 1a											<u>1a</u>					
finches) Calar. (mais) % Calar. (Mais) % Tore.' Loc' Texture Remarks 0-12 10/R.4/2 90 10/R.4/8 10 C M Jaam	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)																
b:12 10YE.4/2 90 10YE.4/5 10 C M learn	D	epth	Mat	rix				Redox Featu	res								
Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ¹ : Histic Epideoln (A2) Stripped Matrix (S6) 1 on Muck (A9) (LRR C) Histic Epideoln (A2) Stripped Matrix (S6) 2 or Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Red Parent Material (TF2) Depleted Matrix (F3) Other (Explain in Remarks) Indicators of hydrophylic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type: Type: Indicators (If present): Type: Hydric Soils Present? Yes No Remarks: HYDROLOGY Satro (If parent): Satro (If parent): Satro (If parent): Satro (If parent): Surface Water (A1) Satro (If parent): Satro (If parent): Satro (If parent): Satro (If parent): Yope:<	<u>(in</u>	iches)	Color (moist	<u>t)</u>	<u>%</u>	Col	or (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textu	re <u>Remarks</u>				
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: Histic Epidedin (A2) Stripped Matrix (S5) 1 orm Muck (A9) (LRR G) Histic Epidedin (A2) Stripped Matrix (S5) 2 orm Muck (A10) (LRR B) Histic Epidedin (A2) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Suffice (A4) Loamy Cleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR D) Redox Dark Surface (F6) Other (Explain in Remarks) I orm Muck (A9) (LRR D) Redox Dark Surface (F7) Thick Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) *Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:	<u>(</u>	<u>)-12</u>	<u>10YR 4/2</u>		<u>90</u>	<u>1</u>	0YR 4/	<u>6 10</u>	<u>C</u>	M		loam	<u>1 </u>				
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: Histic Epidedin (A2) Stripped Matrix (S5) 1 orm Muck (A9) (LRR G) Histic Epidedin (A2) Stripped Matrix (S5) 2 orm Muck (A10) (LRR B) Histic Epidedin (A2) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Suffice (A4) Loamy Cleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR D) Redox Dark Surface (F6) Other (Explain in Remarks) I orm Muck (A9) (LRR D) Redox Dark Surface (F7) Thick Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) *Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:	_			_							_						
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□ Histosol (A1) □ Sandy Redox (S5) □ 1 om Muck (A9) (LRR C) □ Histic Epipedon (A2) □ Stripped Matrix (S6) □ 2 om Muck (A10) (LRR R) □ Black Histic (A3) □ Loamy Mucky Mineral (F1) □ Reduced Vertic (F18) □ Hydrogen Sulfide (A4) □ Loamy Gleyed Matrix (F2) □ Red Parent Material (TF2) □ tra Muck (A9) (LRR C) □ Depleted Matrix (F2) □ Reduced Vertic (F18) □ tra Muck (A9) (LRR C) □ Redox Dark Surface (F7) □ Other (Explain in Remarks) □ tra Muck (A9) (LRR C) □ Redox Depressions (F8) ³Indicators of hydrophytic vegetation and wettand hydrology must be present, unless disturbed or problematic. □ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) wettand Hydrology must be present, unless disturbed or problematic. Type:																	
□ Histic Epipedon (A2) □ Stripped Matrix (S6) □ 2 cm Muck (A10) (LRR B) □ Black Histic (A3) □ Loamy Mucky Mineral (F1) □ Red/uced Vertic (F18) □ Hydrogen Suffide (A4) □ Loamy Gleyed Matrix (F2) □ Red Parent Material (TF2) □ Stratified Layers (A5) (LRR C) □ Depleted Matrix (F3) □ Other (Explain in Remarks) □ 1 cm Muck (A9) (LRR D) □ Redox Dark Surface (F7) □ Thick Dark Surface (A11) □ Depleted Dark Surface (F7) □ Thick Dark Surface (A12) □ Redox Depressions (F8) □ □ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:	Hydr	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :															
Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LR C) Depleted Matrix (F3) Other (Explain in Remarks) I on Muck (A9) (LR D) Redox Dark Surface (F7) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present; unless disturbed or problematic. Restrictive Layer (If present): type: Type:		Histosol	l (A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR	C)			
□ Hydrogen Sulfide (A4) □ Loamy Gleyed Matrix (F2) □ Red Parent Material (TF2) □ Stratified Layers (A5) (LRR C) □ Depleted Matrix (F3) □ Other (Explain in Remarks) □ torm Muck (A9) (LRR D) □ Redox Dark Surface (F6) □ Other (Explain in Remarks) □ Depleted Below Dark Surface (A12) □ Redox Dark Surface (F7) □ indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. □ Sandy Gleyed Matrix (S4) □ Vermal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. □ Sandy Gleyed Matrix (S4) □ Hydric Soils Present? Yes No □ Remarks: □ Hydric Soils Present? Yes No □ □ Surface Water (A1) □ Salt Crust (B11) Water Marks (B1) (Riverine) □ Secondary Indicators (2 or more required) □ □ Surface Water (A1) □ Salt Crust (B12) □ Sediment Deposits (B2) (Riverine) □ Other (Explain in Remarks) □ Other (Explain in Remarks) □ Other (Explain in Remarks) □ Othe		Histic Ep	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10) (LR	R B)			
Stratified Layers (A5) (LRR C) □ Depleted Matrix (F3) □ Other (Explain in Remarks) □ 1 cm Muck (A9) (LRR D) □ Redox Dark Surface (F6) □ Depleted Below Dark Surface (A11) □ Depleted Dark Surface (F7) □ Thick Dark Surface (A12) □ Redox Depressions (F8) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) □ Vernal Pools (F9) unless disturbed or problematic. Restrictive Layer (if present): Type:		Black Hi	istic (A3)					Loamy Mucky Minera	l (F1)				Reduced Vertic (F18)				
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) □ Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) □ Thick Dark Surface (A12) Redox Depressions (F8) □ Sandy Mucky Mineral (S1) Vernal Pools (F9) □ Sandy Mucky Mineral (S4) unless disturbed or problematic. Restrictive Layer (if present): unless disturbed or problematic. Type:		Hydroge	en Sulfide (A4)					Loamy Gleyed Matrix	(F2)				Red Parent Material (TF2)			
□ Depleted Below Dark Surface (A11) □ Depleted Dark Surface (F7) □ Thick Dark Surface (A12) □ Redox Depressions (F8) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. □ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. □ Sandy Gleyed Matrix (S4) unless disturbed or problematic. Reservicitive Layer (if present): Type:		Stratified	d Layers (A5) (LRR C)			\boxtimes	Depleted Matrix (F3)					Other (Explain in Rem	narks)			
□ Thick Dark Surface (A12) □ Redox Depressions (F8) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. □ Sandy Gieyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (if present):		1 cm Mu	uck (A9) (LRR I	D)				Redox Dark Surface	(F6)								
□ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) wetland hydrology muck vegetation and wetland hydrology muck be present, unless disturbed or problematic. Restrictive Layer (if present): Type:		Deplete	d Below Dark S	Surface	(A11)			Depleted Dark Surface	e (F7)								
□ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present):		Thick Da	ark Surface (A1	12)				Redox Depressions (F8)				³ Indicators of hydroph	vtic vere	tation	and	
□ Sandy Gleyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (If present): Type:		Sandy N	Mucky Mineral ((S1)				Vernal Pools (F9)									
Type:		Sandy G	Gleyed Matrix (S4)													
Depth (Inches):	Rest	rictive La	ayer (if presen	t):													
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Imary Indicators (Mainimum of one required; check all that apply) Secondary Indicators (2 or more required) Imary Indicators (Mainimum of one required; check all that apply) Secondary Indicators (2 or more required) Imary Indicators (Mainimum of one required; check all that apply) Secondary Indicators (2 or more required) Imary Indicators (Mainimum of one required; check all that apply) Secondary Indicators (2 or more required) Imary Indicators (Mainimum of one required; check all that apply) Secondary Indicators (2 or more required) Imary Indicators (Mainimum of one required; check all that apply) Secondary Indicators (2 or more required) Imary Indicators (Mainimum of one required; check all that apply) Secondary Indicators (2 or more required) Imary Indicators (Mainimum of one required; check all that apply) Set (B1) Water Marks (B1) (Riverine) Imary Indicators (Mainimum of One required; check all that apply) Set (B12) Descretares (B13) Drift Deposits (B3) (Riverine) Imary Indicators (B2) (Nonriverine) Imary Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Secondary Indicators (C8)	Туре):															
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Image: Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) Image: Surface Water (A1) Salt Crust (B12) Secondary Indicators (20 r more required) Image: Surface Water (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Image: Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Image: Sufface Soil Cracks (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Image: Sufface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Image: Sufface Water Present? Yes No Depth (inches): 10 Water Table Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10	Dept	h (Inches	s):							Hydric So	oils Pres	sent?	Yes	\boxtimes	No		
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) (Riverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water Table Present? Yes No Depth (inches): 10 Water Table Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10	Rem	arks:															
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) (Riverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water Table Present? Yes No Depth (inches): 10 Water Table Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10	HYD	ROLOG	ΞY														
Image: Surface Water (A1) Image: Salt Crust (B11) Image: Water Marks (B1) (Riverine) Image: Might Water Table (A2) Image: Biotic Crust (B12) Image: Sediment Deposits (B2) (Riverine) Image: Water Marks (B1) (Nonriverine) Image: Aquatic Invertebrates (B13) Image: Drift Deposits (B3) (Riverine) Image: Water Marks (B1) (Nonriverine) Image: Hydrogen Sulfide Odor (C1) Image: Drift Deposits (B3) (Nonriverine) Image: Water Marks (B3) (Nonriverine) Image: Oxidized Rhizospheres along Living Roots (C3) Image: Dry-Season Water Table (C2) Image: Drift Deposits (B3) (Nonriverine) Image: Oxidized Rhizospheres along Living Roots (C3) Image: Dry-Season Water Table (C2) Image: Drift Deposits (B3) (Nonriverine) Image: Oxidized Rhizospheres along Living Roots (C3) Image: Dry-Season Water Table (C2) Image: Drift Deposits (B3) (Nonriverine) Image: Oxidized Rhizospheres along Living Roots (C3) Image: Dry-Season Water Table (C2) Image: Drift Deposits (B3) (Nonriverine) Image: Presence of Reduced Iron (C4) Image: Crayfish Burrows (C8) Image: Surface Soil Cracks (B6) Image: Recent Iron Reduction in Tilled Soils (C6) Image: Saturation Visible on Aerial Image: C9) Imundation Visible on Aerial Image: C9) Image: C1 Image: C1 Image: C1 Imundation Visible on Aerial Image: C9) Image: C1				ors:													
⊠ High Water Table (A2) □ Biotic Crust (B12) □ Sediment Deposits (B2) (Riverine) □ Saturation (A3) □ Aquatic Invertebrates (B13) □ Drift Deposits (B3) (Riverine) □ Water Marks (B1) (Nonriverine) □ Hydrogen Sulfide Odor (C1) □ Drainage Patterns (B10) □ Sediment Deposits (B2) (Nonriverine) □ Oxidized Rhizospheres along Living Roots (C3) □ Dry-Season Water Table (C2) □ Drift Deposits (B3) (Nonriverine) □ Oxidized Rhizospheres along Living Roots (C3) □ Dry-Season Water Table (C2) □ Drift Deposits (B3) (Nonriverine) □ Oxidized Rhizospheres along Living Roots (C3) □ Dry-Season Water Table (C2) □ Drift Deposits (B3) (Nonriverine) □ Presence of Reduced Iron (C4) □ Crayfish Burrows (C8) □ Surface Soil Cracks (B6) □ Recent Iron Reduction in Tilled Soils (C6) □ Saturation Visible on Aerial Imagery (C9) □ Inundation Visible on Aerial Imagery (B7) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Water-Stained Leaves (B9) □ Depth (inches): 10 Inuret table Present?	Prim	ary Indica	ators (minimum	of one i	required	; check	all tha	t apply)				Seco	ndary Indicators (2 or mo	re requir	ed)		
⊠ Saturation (A3) □ Aquatic Invertebrates (B13) □ Drift Deposits (B3) (Riverine) □ Water Marks (B1) (Nonriverine) □ Hydrogen Sulfide Odor (C1) □ Drainage Patterns (B10) □ Sediment Deposits (B2) (Nonriverine) □ Oxidized Rhizospheres along Living Roots (C3) □ Dry-Season Water Table (C2) □ Drift Deposits (B3) (Nonriverine) □ Oxidized Rhizospheres along Living Roots (C3) □ Dry-Season Water Table (C2) □ Drift Deposits (B3) (Nonriverine) □ Presence of Reduced Iron (C4) □ Crayfish Burrows (C8) □ Surface Soil Cracks (B6) □ Recent Iron Reduction in Tilled Soils (C6) □ Saturation Visible on Aerial Imagery (C9) □ Inundation Visible on Aerial Imagery (B7) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Water-Stained Leaves (B9) □ Other (Explain in Remarks) □ FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No □ Depth (inches): 10 10 Saturation Present? Yes No □ Depth (inches): 10 Wetland Hydrolongy Present?	\boxtimes	Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (River	ine)			
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water -Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Saturation Present? Yes No Depth (inches): 10 Yes Yes No Saturation Present? Yes No Depth (inches): 10 Yes Yes No No No	\boxtimes	High W	ater Table (A2))				Biotic Crust (B12)					Sediment Deposits (B2)	(Riverin	e)		
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Quert Table Present? Yes No Depth (inches): 10 Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): 10 Wetland Hydrology Present? Yes No Depth (inches): 10	\boxtimes	Saturat	ion (A3)					Aquatic Invertebrates	(B13)				Drift Deposits (B3) (Rive	rine)			
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Quert Table Present? Yes No Depth (inches): 10 Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): 10 Wetland Hydrology Present? Yes No Depth (inches): 10		Water N	Marks (B1) (No	nriverin	ie)			Hydrogen Sulfide Od	or (C1)				Drainage Patterns (B10)				
□ Drift Deposits (B3) (Nonriverine) □ Presence of Reduced Iron (C4) □ Crayfish Burrows (C8) □ Surface Soil Cracks (B) □ Recent Iron Reduction in Tilled Soils (C6) □ Saturation Visible on Aerial Imagery (C9) □ Inundation Visible on Aerial Imagery (B7) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Water-Stained Leaves (B9) □ Other (Explain in Remarks) □ FAC-Neutral Test (D5) Field Vater Present? Yes No □ Depth (inches): 10 Saturation Present? Yes No □ Depth (inches): 10 Saturation Present? Yes No □ Depth (inches): 10 Saturation Present? Yes No □ Depth (inches): 10	_	Sedime	ent Deposits (B2	2) (Non i	riverine)				Living Root	s (C3)		- · ·	(C2)			
□ Inundation Visible on Aerial Imagery (B7) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Water-Stained Leaves (B9) □ Other (Explain in Remarks) □ FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No □ Depth (inches): 10 Water Table Present? Yes No □ Depth (inches): 10 Wetland Hydrology Present? Yes No □ Saturation Present? Yes No □ Depth (inches): 10 Wetland Hydrology Present? Yes No □		Drift De	eposits (B3) (No	onriveri	ne)			Presence of Reduced	l Iron (C	4)			Crayfish Burrows (C8)				
□ Inundation Visible on Aerial Imagery (B7) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Water-Stained Leaves (B9) □ Other (Explain in Remarks) □ FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No □ Depth (inches): 10 Water Table Present? Yes No □ Depth (inches): 10 Saturation Present? Yes No □ Depth (inches): 10		Surface	e Soil Cracks (E	36)				Recent Iron Reduction	n in Tille	d Soils (C6)			Saturation Visible on Aer	ial Imag	ery (CS))	
Field Observations: Surface Water Present? Yes No Depth (inches): 10 Water Table Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10					nagery (I	B7)				. ,					•		
Surface Water Present? Yes No Depth (inches): 10 Water Table Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10												FAC-Neutral Test (D5)					
Surface Water Present? Yes No Depth (inches): 10 Water Table Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10									,			-	. ,				
Water Table Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10				Yes	\boxtimes	No		Depth (inches):	<u>10</u>								
Saturation Present? Yes X No Depth (inches): 10 Wetland Hydrology Present? Yes X No D																	
							_				Watter	ad Llade	rology Prosent?	Vaa		Na	
(includes capillary finge)												ia nyai	NOUSY FIESdill?	162		NU	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		CRIDE RECO	orded Data (str	eam gau	uge, mo	nitoring	well, a	ierial photos, previous i	nspectio	ns), it availa	DIE:						

Remarks: US Army Corps of Engineers

Arid West - Version 2.0

WETLAND DETERMINATION DATA FORM – Arid West Region

Project Site: <u>SPTC-JPA</u>					City/Count	nty: <u>Folsor</u>	n/Sacrament	to	Sampli	ng Date:	<u>12/18</u>	8/201	4
Applicant/Owner: El Dorado County Department of	Econom	nic De	evelopr	ment			State	<u>CA</u>	Samplir	ng Point:	<u>1b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, F	Range: <u>S 9.</u>	<u>T 9 N, R 8 E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, con	vex, none):	none		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.64	79124			Long:	<u>-121.11486</u>	94	D	atum: <u>N</u>	VAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes					NWI classific	ation:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No	🔲 (lf no	, explain in Rem	arks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	antly dis	sturbed	I? Are "	"Normal Ci	rcumstances	" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗆 nat	turally	y proble	ematic	? (If ne	eeded, exp	lain any ans	wers in Remarks	.)				
SUMMARY OF FINDINGS – Attach site map sh Hydrophytic Vegetation Present?	Yes	sam	No		locations,	, transec	ts, importa	int features, e	tC.				
Hydric Soil Present?	Yes		No		Is the Sam	nnled Area	a within a W	etland?		Yes		No	
Wetland Hydrology Present?	Yes		No					chandi		103		110	
Remarks: Upland	163		NO										
VEGETATION – Use scientific names of plants	Absolut	е	Domin	ant	Indicator	Demine	T 14/-						
Tree Stratum (Plot size:)	% Cove	<u>r</u>	<u>Specie</u>	es?	<u>Status</u>	Domina	nce Test Wo	orksneet:					
1					—		of Dominant			<u>0</u>			(A)
2					—	That Are	e OBL, FACV	V, ULFAC.					
3			<u> </u>				mber of Don Across All S			<u>3</u>			(B)
4 50% =, 20% =	<u> </u>		= Tota										
Sapling/Shrub Stratum (Plot size:)	<u> </u>		- 1018		1		of Dominant OBL, FACV			<u>0</u>			(A/B)
1.						Prevale	nce Index w	orksheet:					
2.								Cover of :		Multipl	v bv		
3.						OBL spe		<u> </u>		x1 =	<u>, .,.</u>		
4.						FACW s				x2 =			
5.						FAC spe				x3 =		_	
50% = , 20% =			= Tota	I Cove	r	FACU sp				x4 =		_	
Herb Stratum (Plot size:)					-	UPL spe				x5 =			
1. <u>Geranium molle</u>	<u>30</u>		ves		UPL			(A)				(B	3
2. <u>Erodium botrys</u>	<u>35</u>		-		<u>FACU</u>	Column		revalence Index	_ B/A _			_ (D	')
3. <u>Aira caryophyllea.</u>			<u>ves</u>		FACU	Hydropi		tion Indicators		<u> </u>			
4. <u>Vicia villosa</u>	<u>5</u> 25		<u>no</u>		UPL			ce Test is >50%	•				
5.	20		<u>yes</u>										
								ce Index is <u><</u> 3.01					
6 7								gical Adaptation emarks or on a s			orting		
8			<u> </u>				Duchlass	atic Hydrophytic '		·	1=:->		
50% =, 20% =	95		- Tota	l Cove	 r		Problema	atic Hydropnytic	vegetati	ion (Exp	nain)		
<u>Woody Vine Stratum</u> (Plot size:)	<u>35</u>		- 1018		I			soil and wetland		gy must			
1.						be prese	ent, unless di	sturbed or proble	ematic.				
2.													
50% = , 20% =			- Toto	l Cove	 r	Hydropl Vegetat			Yes		No	,	\boxtimes
50% =, 20% = % Bare Ground in Herb Stratum <u>5</u>	% Co	Vero	f Biotic		ı	Present							
Remarks:	/0 00			, orust		1							
nomano.													

US Army Corps of Engineers

Arid West – Version 2.0

Profile Description: (Description: (Description: (Description:) Depth Matrix Redox Features (inches) Color (Moist) % Type ¹ Loc ² Texture Remarks 0-12 10YR 4/4 100
Color (moist) % Color (Moist) % Type ¹ Loc ² Texture Remarks 0-12 10YR 4/4 100
0-12 10YR 4/4 100
Image:
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11)
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Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11)
Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Dark Surface (F7)
Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Dark Surface (F7)
Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Dark Surface (F7)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)
L L Dark Surface (A12) L Dadey Depressions (E9)
Thick Dark Surface (A12) Redox Depressions (F8) Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present,
Sandy Gleyed Matrix (S4) unless disturbed or problematic.
Restrictive Layer (if present):
Depth (Inches): Yes No
Remarks:
HYDROLOGY
Wetland Hydrology Indicators:
Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)
Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine)
High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine)
Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine)
Drift Deposits (B3) (Nonriverine)
Surface Soil Cracks (B6)
□ Inundation Visible on Aerial Imagery (B7) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3)
□ Water-Stained Leaves (B9) □ Other (Explain in Remarks) □ FAC-Neutral Test (D5)
Field Observations:
Surface Water Present? Yes No X Depth (inches):
Water Table Present? Yes No X Depth (inches):
Saturation Propert?
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Wetland Hydrology Present? Yes No Xes

Remarks: US Army Corps of Engineers

Arid West - Version 2.0

WETLAND DETERMINATION DATA FORM – Arid West Region

Project Site: <u>SPTC-JPA</u>				City/Count	ty: Folsom/S	Sacramento	Samplin	g Date:	12/18	/201	4
Applicant/Owner: El Dorado County Department of	Economic	Develop	ment			State: CA	Sampling	g Point:	<u>2b</u>		
Investigator(s): KCV and KEB				Section, T	ownship, Rar	nge: <u>S 9, T 9 N</u>	<u>R8E</u>				
Landform (hillslope, terrace, etc.): Hillslope			Lo	cal relief (cor	ncave, conve	x, none): <u>none</u>		Slo	oe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: <u>38</u>	.642704	<u>1</u>		Long: <u>-1</u>	21.1093798	Da	tum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percent	slopes				NV	VI classification: L	<u>Ipland</u>			
Are climatic / hydrologic conditions on the site typic	cal for this	time of ye	ear?	Yes 🛛	No [] (If no, expla	ain in Remarks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 signit	ficantly d	isturbed	? Are "	Normal Circu	imstances" pres	ent?	Yes	\boxtimes	No	
Are Vegetation , Soil , or Hydrology	natur	rally prob	lematic?	? (If ne	eeded, explair	n any answers ir	n Remarks.)				
SUMMARY OF FINDINGS – Attach site map sh	owina sa	amplinc	n point	locations.	. transects.	important fe	atures. etc.				
Hydrophytic Vegetation Present?		 □ No	\boxtimes				· ·				
Hydric Soil Present?	Yes	□ No		Is the Sam	npled Area w	vithin a Wetland	1?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	□ No	\boxtimes		-						
Remarks: Upland			1								
VEGETATION – Use scientific names of plants	5.										
Tree Stratum (Plot size:)	Absolute % Cover	Domi		Indicator	Dominanc	e Test Workshe	eet:				
1.	<u>// Cover</u>	<u>Spec</u>	162 :	<u>Status</u>	Number of	Dominant Speci	22				
2						BL, FACW, or F		<u>0</u>			(A)
3					Total Numb	per of Dominant					(5)
4					Species Ac	cross All Strata:		<u>2</u>			(B)
50% =, 20% =		= Tot	al Cover		Percent of	Dominant Speci	es	0			(A/B)
Sapling/Shrub Stratum (Plot size:)					That Are O	BL, FACW, or F	AC:	<u>0</u>			(A/D)
1					Prevalence	e Index worksh	eet:				
2						Total % Cover	of :	Multiply	<u>y by:</u>		
3					OBL specie	es		x1 =		_	
4					FACW spe	cies	<u> </u>	x2 =		-	
5					FAC specie	es		x3 =		_	
50% =, 20% =		= Tot	al Cover		FACU spec	cies		x4 =		_	
Herb Stratum (Plot size:)					UPL specie	es	_	x5 =		_	
1. <u>Hordeum murinum</u>	<u>20</u>	<u>yes</u>		FACU	Column To	tals:	(A)			(B))
2. <u>Erodium botrys</u>	<u>75</u>	<u>yes</u>		FACU		Prevale	nce Index = B/A = _				
3. <u>Amaranthus sp.</u>	<u>5</u>	no		<u>NL (UPL)</u>	Hydrophyt	tic Vegetation I					
4						Dominance Tes	st is >50%				
5						Prevalence Ind	ex is <3.0 ¹				
6						Morphological A	Adaptations ¹ (Provid	de supp	orting		
7						data in Remark	s or on a separate	sheet)	-		
8						Problematic Hy	drophytic Vegetatic	on ¹ (Exp	lain)		
50% =, 20% =	<u>100</u>	= Tot	al Cover	•	1						
Woody Vine Stratum (Plot size:)							d wetland hydrolog d or problematic.	y must			
1	<u> </u>						•				
2					Hydrophyt	tic		_			_
50% =, 20% =		= Tot	al Cover		Vegetation		Yes		No		\boxtimes
% Bare Ground in Herb Stratum 0	% Cove	er of Bioti	c Crust		Present?						
Remarks:											

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SOIL															San	npling F	oint:	<u>2b</u>	
Profile Descr	ription: (Descri	be to th	ne depth	n neede	ed to d	ocument the	indicat	or or con	firm the al	bsenc	e of indi	cator	s.)						
Depth	Depth Matrix Redox Feature																		
(inches)	Color (moist)	%	Col	or (Mo	<u>ist) %</u>	<u>/</u>	Type ¹	Lo	bc^2	Te	<u>xture</u>	<u> </u>	Remarks					
<u>0-12</u>	<u>10YR 4/4</u>		<u>100</u>				_				Lo	<u>bam</u>		_					
		_												_					
		_												_					
		_												_					
														_					
		_												_					
¹ Type: C= Co	ncentration, D=I	Depletic	on, RM=	Reduce	ed Matr	rix, CS=Cover	ed or Co	oated San	d Grains.	² Loc	ation: PL:	=Pore	Lining, M	=Matrix.					
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)										Indicators for Problematic Hydric Soils ³ :									
Histosol (A1) Sandy Redox (S											0		1 cm Muc	k (A9) (LR	R C)				
Histic E	pipedon (A2)					Stripped Ma	atrix (S6))			0		2 cm Muc	k (A10) (L l	RR B)				
Black H	listic (A3)					Loamy Muc	ky Mine	ral (F1)					Reduced	Vertic (F18	3)				
Hydrog	en Sulfide (A4)					Loamy Gley	/ed Matr	ix (F2)			0		Red Pare	nt Material	(TF2)				
□ Stratifie	d Layers (A5) (I	RR C)				Depleted M	atrix (F3	3)			0		Other (Ex	plain in Re	marks)				
□ 1 cm M	uck (A9) (LRR [D)				Redox Dark	Surface	e (F6)											
Deplete								ace (F7)											
Thick D	Thick Dark Surface (A12)							(F8)					31	6	h				
Sandy I	Mucky Mineral (Vernal Pool	s (F9)									egetation and be present,					
_	Gleyed Matrix (S											s disturbec			ι,				
-	ayer (if present	-																	
Type:		-																	
Depth (Inches	3):								Hydric	Soils	Present?	?		Yes		No	\boxtimes	1	
Remarks:	·								1										
HYDROLOG																			
-	rology Indicato										-			1.5					
	ators (minimum	of one r	required;	; check									ary Indicate			red)			
	e Water (A1)					Salt Crust (s (B1) (Riverine)					
_	/ater Table (A2)					Biotic Crust							ediment De			ne)			
	tion (A3)					Aquatic Inve		. ,					ift Deposite		-				
Water I	Marks (B1) (No r	nriverin	ie)			Hydrogen S							ainage Pa		-				
Sedime	ent Deposits (B2	2) (Non r	riverine))		Oxidized Rh	nizosphe	eres along	Living Roo	ots (C	3)	Dı	y-Season	Water Tab	le (C2)				
Drift De	eposits (B3) (No	nriverii	ne)			Presence of	i Reduce	ed Iron (C	4)			Cı	ayfish Buri	rows (C8)					
	e Soil Cracks (B	,				Recent Iron			d Soils (Ce	6)			aturation Vi		erial Imag	gery (C	9)		
🗌 Inunda	tion Visible on A	erial Im	agery (E	B7)		Thin Muck S	Surface	(C7)				Sł	nallow Aqui	itard (D3)					
□ Water-	Stained Leaves	(B9)				Other (Expl	ain in Re	emarks)				FÆ	C-Neutral	Test (D5)					
Field Observ	ations:																		
Surface Wate	r Present?	Yes		No	\boxtimes	Depth ((inches):												
Water Table F		Yes		No	\boxtimes	Depth ((inches):	·											
Saturation Pre (includes capi	illary fringe)	Yes		No		-	(inches):	-			etland H	ydrol	ogy Prese	nt?	Yes		No	\boxtimes	
Describe Rec	orded Data (stre	eam gau	uge, mor	nitoring	well, a	ieriai photos,	previous	inspectio	ns), it avail	naple:									

Remarks: US Army Corps of Engineers

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WETLAND DETERMINATION DATA FORM – Arid West Region

Project Site: <u>SPTC-JPA</u>					City/Coun	nty: <u>Fo</u>	olsom/S	Sacrame	ento	Sampli	ng Date:	<u>12/18</u>	8/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment				Sta	ite: <u>CA</u>	Samplir	ng Point:	<u>3a</u>		
Investigator(s): KCV and KEB					Section, T	Townsh	ip, Rar	nge: <u>S</u>	22, T 9 N, R 8	E				
Landform (hillslope, terrace, etc.): Roadside				Lo	cal relief (coi	oncave,	conve	x, none): <u>concave</u>		Slo	pe (%):	<1	
Subregion (LRR): <u>C</u>	Lat: <u>3</u>	8.64	236			Lo	ng: <u>-1</u>	21.109	03	D	atum: <u>N</u>	VAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes						NWI clas	ssification:	Seasona	al Wetla	ind	
Are climatic / hydrologic conditions on the site typic	cal for this	s tim	e of ye	ar?	Yes 🛛	3	No [] (If	no, explain in f	Remarks.)				
Are Vegetation □, Soil □, or Hydrology	🗌 sigr	nifica	ntly dis	sturbed	l? Are "	"Norma	al Circu	Imstanc	es" present?		Yes	\boxtimes	No	
Are Vegetation □, Soil □, or Hydrology	nat	urall	y probl	ematic	? (If ne	eeded,	explair	n any ar	nswers in Rem	arks.)				
SUMMARY OF FINDINGS – Attach site map sh	•			-	locations,	s, trans	sects,	impo	rtant feature	s, etc.				
Hydrophytic Vegetation Present?	Yes	\boxtimes	No											
Hydric Soil Present?	Yes	\boxtimes	No		Is the San	mpled	Area w	ithin a	Wetland?		Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No											
Remarks: Seasonal Wetland														
VEGETATION – Use scientific names of plants														
Tree Stratum (Plot size:)	Absolute % Cover		Domin Specie		Indicator Status	Don	ninanc	e Test	Worksheet:					
1		_				Num	ber of	Domina	ant Species		4			(A)
2						That	Are O	BL, FA	CW, or FAC:		<u>1</u>			(A)
3						Tota	l Numb	per of D	ominant		4			(D)
4						Spe	cies Ac	ross Al	l Strata:		<u>1</u>			(B)
50% =, 20% =			= Tota	l Cove	r	Perc	ent of	Domina	ant Species		100			
Sapling/Shrub Stratum (Plot size:)						That	Are O	BL, FA	CW, or FAC:		<u>100</u>			(A/B)
1						Prev	alence	e Index	worksheet:					
2								Total 9	% Cover of :		Multiply	<u>y by:</u>		
3						OBL	specie	es			x1 =		_	
4						FAC	W spe	cies			x2 =		_	
5						FAC	specie	es			x3 =		_	
50% =, 20% =			= Tota	I Cove	r	FAC	U spec	cies			x4 =		_	
Herb Stratum (Plot size:)						UPL	specie	es			x5 =			
1. <u>Festuca perennis</u>	100		ves		FAC	Colu	Imn To	tals	(A)			(B)
2.						COR		tais.	Prevalence In					
3.						Hvd	ronhvt	ic Veg	etation Indicat					
4.						 ∑		-	ance Test is >					
5.									ence Index is <u><</u>					
6.						-	-							
7.]	data in	ological Adapta Remarks or o	n a separate	ide supp sheet)	orting		
8.							7	D			1.1			
	100			l Cove			1	Problei	matic Hydroph	ytic vegetati	ion (Exp	lain)		
50% =, 20% =	<u>100</u>		= 1018			¹ Ind	cators	of hydri	ic soil and wetl	and hydrolo	gy must			
Woody Vine Stratum (Plot size:)						be p	resent,	unless	disturbed or p	roblematic.				
1														
2			T-4	0.000			rophyt			Yes	\boxtimes	No		
50% =, 20% =				al Cove	I		etation sent?	1						
% Bare Ground in Herb Stratum 0	% Co\	ver o	f Biotic	Crust										
Remarks:														

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SOIL														Sam	pling P	oint:	<u>3a</u>		
Profile Des	firm the ab	osence	of indic	ators.)															
Depth	pth Matrix Redox Features																		
(inches)	Color (moist	<u>;)</u>	%	Col	or (Moi	ist)	<u>%</u>	Type ¹	Loc	<u>c</u> 2	Text	ure	<u>Remarks</u>						
<u>0-12</u>	<u>2.5YR 3/1</u>		<u>60</u>	<u>1</u> (0YR 3/	<u>6 40 C</u>			M	1	loa	<u>m</u>							
		_											_						
		_											_						
		_											_						
		_											_						
		_											_						
¹ Type: C= C	oncentration, D=	Depletio	on, RM=F	Reduce	ed Matr	ix, CS=Co	overed or Co	ated San	d Grains.	² Loca	tion: PL=	Pore Lining, M	I=Matrix.						
Hydric Soil	Indicators: (App	olicable	to all LI	RRs, u	nless o	otherwise	e noted.)		Indicators for Problematic Hydric Soils ³ :										
☐ Histos	Histosol (A1)									1 cm Muck (A9) (LRR C)									
☐ Histic	Epipedon (A2)					Stripped	Matrix (S6)					2 cm Mu	ck (A10) (LR	RB)					
Black	Histic (A3)					Loamy M	Mucky Miner	al (F1)				Reduced	Vertic (F18)						
☐ Hydro	gen Sulfide (A4)					Loamy (Gleyed Matri	x (F2)				Red Pare	ent Material (TF2)					
□ Stratif	ied Layers (A5) (I	LRR C)				Deplete	d Matrix (F3))				Other (Ex	plain in Ren	narks)					
🗌 1 cm I	Muck (A9) (LRR I	D)				Redox D	Dark Surface	(F6)											
Deple	ted Below Dark S	Surface ((A11)		\boxtimes	Deplete	d Dark Surfa	ice (F7)											
Thick	Dark Surface (A1	2)				Redox D	Depressions	(F8)				³ Indiaator	s of hydroph		tation	and			
Sandy Mucky Mineral (S1) Vernal Pools (F9)													d hydrology						
Sandy Gleyed Matrix (S4)													s disturbed			,			
Restrictive Layer (if present):																			
Туре:																			
Depth (Inche	es):								Hydric Soils Present? Yes 🛛 No 🗌										
Remarks:																			
HYDROLO																			
	drology Indicate																		
	cators (minimum	of one r	equired;	; check								ondary Indicat			ed)				
	ce Water (A1)						st (B11)					Water Marks	s (B1) (Rive i	rine)					
-	Water Table (A2)					Biotic C	rust (B12)					Sediment D	eposits (B2)	(Riverin	e)				
Satur Satur	ation (A3)					Aquatic	Invertebrate	s (B13)				Drift Deposit	ts (B3) (Rive	erine)					
□ Wate	r Marks (B1) (No i	nriverin	e)			Hydroge	en Sulfide Oo	dor (C1)				Drainage Pa	atterns (B10)						
Sedin Sedin	nent Deposits (B2	2) (Nonr	riverine))		Oxidized	d Rhizosphe	res along	Living Roo	ots (C3))	Dry-Season	Water Table	e (C2)					
Drift D	Deposits (B3) (No	onriverir	ne)			Presenc	e of Reduce	d Iron (C4	4)			Crayfish Bu	rrows (C8)						
Surfa Surfa	ce Soil Cracks (B	6)					Iron Reducti		d Soils (C6	5)		Saturation V	isible on Ae	rial Imag	ery (C9)			
Inund	ation Visible on A	Aerial Im	agery (E	37)		Thin Mu	ck Surface (C7)				Shallow Aqu	uitard (D3)						
□ Wate	r-Stained Leaves	(B9)				Other (E	Explain in Re	marks)				FAC-Neutra	I Test (D5)						
Field Obser	vations:																		
Surface Wat	ter Present?	Yes	\boxtimes	No		Dep	oth (inches):	<u>3</u>											
Water Table	Present?	Yes	\boxtimes	No		Dep	oth (inches):	<u>3</u>											
Saturation F (includes ca	Present? pillary fringe)	Yes	\boxtimes	No		Dep	oth (inches):	<u>8</u>		We	tland Hy	drology Pres	ent?	Yes	\boxtimes	No			
Describe Re	corded Data (stre	eam gau	uge, mor	nitoring	well, a	erial photo	os, previous	inspection	ns), if availa	able:									

Remarks: US Army Corps of Engineers

Arid West - Version 2.0

WETLAND DETERMINATION DATA FORM – Arid West Region

Project Site: <u>SPTC-JPA</u>					City/Count	ity: <u>Folsom</u>	/Sacrament	<u>o</u>	Samplir	ng Date:	<u>12/18</u>	/201	4
Applicant/Owner: El Dorado County Department of	Econor	nic De	evelopr	nent			State:	<u>CA</u>	Samplin	g Point:	<u>3b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, Ra	ange: <u>S 22</u>	<u>, T 9 N, R 8 E</u>					
Landform (hillslope, terrace, etc.): Side of railfoad				Lo	cal relief (cor	ncave, conv	ex, none):	none		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat:	38.64	23474			Long:	-121.10905	<u>17</u>	Da	atum: <u>I</u>	VAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percei	nt slo	pes					NWI classifi	cation: <u>I</u>	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	is tim	e of ye	ar?	Yes 🛛	No	☐ (If no,	, explain in Rem	narks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	ntly dis	sturbec	l? Are "	"Normal Circ	cumstances'	" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗆 nat	turally	y proble	ematic	? (If ne	eeded, expla	ain any ansv	vers in Remarks	s.)				
SUMMARY OF FINDINGS – Attach site map sh	owina	sam	nlina	noint	locations	transects	s. importa	nt features.	etc.				
Hydrophytic Vegetation Present?	Yes		No		,	,	, p e . ta						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Area	within a We	etland?		Yes		No	
Wetland Hydrology Present?	Yes		No	\boxtimes									
Remarks: Upland													
VEGETATION – Use scientific names of plants	5.												
Tree Stratum (Plot size:)	Absolut % Cove		Domin Specie		Indicator Status	Dominan	ce Test Wo	orksheet:					
1		-				Number o	of Dominant	Species					(A)
2						That Are (OBL, FACW	I, or FAC:		<u>1</u>			(A)
3						Total Num	nber of Dom	ninant		2			(P)
4						Species A	Across All St	trata:		<u>2</u>			(B)
50% =, 20% =			= Tota	l Cove	r		f Dominant OBL, FACW			<u>50</u>			(A/B)
Sapling/Shrub Stratum (Plot size:)													
1					—	Prevalen	ce Index w						
2	<u> </u>					0.01		<u>Cover of :</u>		Multipl			
3					—	OBL spec		<u>0</u>		x1 =	<u>0</u>		
4	<u> </u>					FACW sp		<u>0</u>		x2 =	<u>0</u>		
5						FAC spec		<u>20</u>		x3 =	<u>60</u>		
50% =, 20% =			= Tota	I Cove	r	FACU spe		<u>60</u>		x4 =	<u>240</u>		
Herb Stratum (Plot size:)						UPL spec	ies	<u>10</u>		x5 =	<u>50</u>		
1. <u>Hordeum murinum</u>	<u>50</u>		<u>ves</u>		<u>FACU</u>	Column T	otals:	<u>90</u> (A)			<u>350</u>	(B)	
2. <u>Festuca perennis</u>	<u>20</u>		<u>yes</u>		<u>FAC</u>		P	Prevalence Inde	x = B/A =	<u>3.88</u>			
3. <u>Amaranthus sp.</u>	<u>10</u>		<u>no</u>		<u>UPL</u>	Hydrophy	ytic Vegeta	tion Indicators	32				
4. <u>Bromus hordeaceus</u>	<u>10</u>		<u>no</u>		FACU		Dominand	ce Test is >50%)				
5			<u> </u>				Prevalenc	ce Index is <u><</u> 3.0	1				
6 7.							Morpholo data in Re	gical Adaptatior emarks or on a	ns ¹ (Provi separate	ide supp sheet)	orting		
8.									•				
			= Tota	Cava			Problema	tic Hydrophytic	Vegetati	on (Exp	olain)		
50% =, 20% = Woody Vine Stratum_ (Plot size:)	<u>90</u>		= 101a	II COVE	I	¹ Indicator	s of hydric s	soil and wetland	hydrolog	gy must			
1.						be presen	nt, unless di	sturbed or prob	ematic.				
2				Corre		Hydrophy			Yes		No		\boxtimes
50% =, 20% =	0/ 0			I Cove	I	Vegetation Present?							-
% Bare Ground in Herb Stratum <u>10</u>	% C0	ver 0	f Biotic	Grust									
Remarks:													

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Profile Description: (Description:	SOIL												Sam	pling P	oint:	<u>3b</u>
Linchesiz Color.(Inoisiz) % Color.(Molesiz) % Tune Loc Texture Remarks Q-16 JOYR.3/4 JOQ	Profile Descrip	tion: (Describe t	o the dep	pth need	ded to d	ocument the indicate	or or conf	irm the abs	sence o	f indica	itors.)					
0-16 10YR 3/4 100	Depth	Matrix				Redox Feat	ures									
"Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: I Hists Epipedion (A2) Sandy Redox (S5) 1 cm Muck (A0) (LRR C) I Hists Epipedion (A2) Striped Matrix (S6) 2 cm Muck (A10) (LRR C) I Hists Epipedion (A2) Depleted Matrix (F2) Reduced Vertic (F18) I Hists Epipedion (A2) Depleted Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Red Parent Material (TF2) I cm Muck (A9) (LRR D) Redox Dark Surface (F6) Other (Explain in Remarks) I cm Muck (A9) (LRR D) Redox Depressions (F6) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:	(inches)	Color (moist)	%	C	<u>olor (Mo</u>	<u>ist) %</u>	Type ¹	Loc	2	Textu	ure <u>Re</u>	emarks				
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : I Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histos (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Black Histis (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loarny Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) I or Muck (A9) (LRR D) Redox Dark Surface (F6) Peleted Below Dark Surface (A12) Depleted Below Dark Surface (A12) Redox Depressions (F8) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:	<u>0-16</u>	<u>10YR 3/4</u>	<u>100</u>						_	<u>Clay lo</u>	bam					
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : I Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histos (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Black Histis (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loarny Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) I or Muck (A9) (LRR D) Redox Dark Surface (F6) Peleted Below Dark Surface (A12) Depleted Below Dark Surface (A12) Redox Depressions (F8) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:									_							
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : I Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histos (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Black Histis (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loarny Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) I or Muck (A9) (LRR D) Redox Dark Surface (F6) Peleted Below Dark Surface (A12) Depleted Below Dark Surface (A12) Redox Depressions (F8) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:									_							
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : I Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histos (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Black Histis (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loarny Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) I or Muck (A9) (LRR D) Redox Dark Surface (F6) Peleted Below Dark Surface (A12) Depleted Below Dark Surface (A12) Redox Depressions (F8) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:									_							
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : I Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histos (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Black Histis (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loarny Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) I or Muck (A9) (LRR D) Redox Dark Surface (F6) Peleted Below Dark Surface (A12) Depleted Below Dark Surface (A12) Redox Depressions (F8) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:									_							
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : I Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histos (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Black Histis (A3) Learny Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loarny Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) I or Muck (A9) (LRR D) Redox Dark Surface (F6) Peleted Below Dark Surface (A12) Depleted Below Dark Surface (A12) Redox Depressions (F8) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:									_							
 Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Black Histic A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Gleyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (if present): unless disturbed or problematic. Type: Hydrology Indicators: Perth (Inches): Hydrology Indicators: Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) Biolic Crust (B12) Secondary Indicators (2 or more required) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biol	¹ Type: C= Conc	entration, D=Dep	letion, RN	/I=Reduo	ced Matr	rix, CS=Covered or Co	ated Sand	l Grains.	² Locatio	n: PL=P	ore Lining, M=N	/atrix.				
□ Histic Epipedon (A2) □ Stripped Matrix (S6) □ 2 cm Muck (A10) (LRR B) □ Black Histic (A3) □ Loamy Mucky Mineral (F1) □ Reduced Vertic (F18) □ Hydrogen Suffice (A4) □ Loamy Gleyed Matrix (F2) □ Red Parent Material (TF2) □ □ Stratified Layers (A5) (LRR C) □ Depleted Matrix (F2) □ Other (Explain in Remarks) □ 1 cm Muck (A9) (LRR D) □ Redox Dark Surface (F7) □ Thick Dark Surface (A12) □ Redox Dark Surface (F7) □ Thick Dark Surface (A12) □ Redox Depressions (F8) □ □ wetland hydrology must be present, unless disturbed or problematic. □ Sandy Gleyed Matrix (S4) Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. □ Sandy Gleyed Matrix (S4) Hydric Soils Present? Yes No ☑ Restrictive Layer (if present):	Hydric Soil Ind	icators: (Applica	ble to al	I LRRs,	unless	otherwise noted.)				Ind	licators for Pro	blematic	Hydric S	Soils ³ :		
□ Black Histic (A3) □ Loamy Mucky Mineral (F1) □ Reduced Vertic (F18) □ Hydrogen Sulfide (A4) □ Loamy Gleyed Matrix (F2) □ Red Parent Material (TF2) □ Stratified Layers (A5) (LRR C) □ Depleted Matrix (F3) □ Other (Explain in Remarks) □ 1 cm Muck (A9) (LRR D) □ Redox Dark Surface (F7) □ Depleted Below Dark Surface (A11) □ Depleted Surface X-Surface (F7) □ Thick Dark Surface (A12) □ Redox Depressions (F8) □ □ □ □ Sandy Gleyed Matrix (S4) Vernal Pools (F9) □ <td>Histosol (</td> <td>A1)</td> <td></td> <td></td> <td></td> <td>Sandy Redox (S5)</td> <td></td> <td></td> <td></td> <td></td> <td>1 cm Muck</td> <td>(A9) (LRR</td> <td>C)</td> <td></td> <td></td> <td></td>	Histosol (A1)				Sandy Redox (S5)					1 cm Muck	(A9) (LRR	C)			
□ Hydrogen Sulfide (A4) □ Loamy Gleyed Matrix (F2) □ Red Parent Material (TF2) □ Stratified Layers (A5) (LRR C) □ Depleted Matrix (F3) □ Other (Explain in Remarks) □ 1 cm Muck (A9) (LRR D) □ Redox Dark Surface (F6) □ Depleted Below Dark Surface (A11) □ Depleted Dark Surface (F7) □ Thick Dark Surface (A12) □ Redox Depressions (F8) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. □ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) *unless disturbed or problematic. Restrictive Layer (if present):	Histic Epi	pedon (A2)				Stripped Matrix (S6)					2 cm Muck	(A10) (LR	R B)			
Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) I orn Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present; unless disturbed or problematic. Restrictive Layer (if present): transfer (Inches): Type:	Black His	tic (A3)				Loamy Mucky Miner	al (F1)				Reduced Ve	ertic (F18)				
□ n muck (A9) (LRR D) □ Redox Dark Surface (F6) □ Depleted Below Dark Surface (A12) □ Redox Depressions (F8) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. □ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present):	Hydrogen	Sulfide (A4)				Loamy Gleyed Matri	x (F2)				Red Parent	Material (TF2)			
□ Depleted Below Dark Surface (A11) □ Depleted Dark Surface (F7) □ Thick Dark Surface (A12) □ Redox Depressions (F8) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. □ Sandy Gleyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (if present): unless disturbed or problematic. Type:	☐ Stratified	Layers (A5) (LRR	C)			Depleted Matrix (F3)				Other (Expl	ain in Ren	narks)			
Inick Dark Surface (A12) Redox Depressions (F8) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present):	□ 1 cm Muc	k (A9) (LRR D)				Redox Dark Surface	(F6)									
□ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. □ Sandy Gleyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (if present):	Depleted	Below Dark Surfa	ice (A11)			Depleted Dark Surfa	ice (F7)									
□ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type:	Thick Dar	k Surface (A12)				Redox Depressions	(F8)				³ Indicators of	of hydroph	vtic vere	tation	and	
□ Sandy Gleyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (if present): Type:	Sandy Mu	ucky Mineral (S1)				Vernal Pools (F9)										
Type:	Sandy Gl	eyed Matrix (S4)									unless	disturbed	or proble	matic.		
Depth (Inches):	Restrictive Lay	ver (if present):														
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5)	Туре:															
HYDROLOGY WetIand Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Xurface Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) (Riverine) Vater Marks (B1) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5)	Depth (Inches):							Hydric S	oils Pre	sent?		Yes		No	\boxtimes	l
Wetlawdrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Vater Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5)	Remarks:															
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Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Vater-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5)		(<i>)</i>										<i>,</i> .		e)		
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Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5)			-	ne)				Living Root	s (C3)	_	-					
Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5)				•		-	-	-	. ,		-		. ,			
Inundation Visible on Aerial Imagery (B7) Imagery (B7) Thin Muck Surface (C7) Imagery Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) Imagery FAC-Neutral Test (D5)						Recent Iron Reducti	on in Tilleo	d Soils (C6)			-		rial Imag	ery (C9)	
Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5)			al Imagery	/ (B7)				,					0		,	
										_						
	-	,	,			× 1	,			_		. /				
Surface Water Present? Yes No 🛛 Depth (inches):			es 🗆	No	\boxtimes	Depth (inches):										
Water Table Present? Yes No 🛛 Depth (inches):						,										
Saturation Present? Ves D No Depth (inches): Wetland Hydrology Present? Ves D No M	Saturation Pres	ent? v	_			/			Wetla	nd Hvd	rology Present	t?	Yes		No	\boxtimes
(includes capillary fringe) Tes The Beptil (incluse) (incluse), if available:	· ·	ary tringe)					inspectior	ns), if availa							-	

Project Site: SPTC-JPA					City/Count	ty: <u>Folsor</u>	m/Sacramente	<u>o</u> S	Samplin	g Date:	12/18	8/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment			State:	<u>CA</u> S	amplin	g Point:	<u>4b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, F	Range: <u>S 9, '</u>	<u>T 9 N, R 8 E</u>					
Landform (hillslope, terrace, etc.): Roadside				Lo	cal relief (cor	ncave, cor	ivex, none):	<u>concave</u>		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.64	1494			Long:	<u>-121.10842</u>	53	Da	atum: <u>N</u>	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes					NWI classifica	tion: <u>l</u>	<u>Jpland</u>			
Are climatic / hydrologic conditions on the site typi	cal for thi	s tim	e of ye	ar?	Yes 🛛	No	🔲 (If no,	explain in Remar	rks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	antly dis	sturbed	? Are "	Normal Ci	rcumstances'	' present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗆 nat	urally	y proble	ematic	? (If ne	eded, exp	lain any answ	vers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map sh	Yes	sam	pling No	point	locations,	transec	ts, importa	nt features, etc	C.				
Hydrophytic Vegetation Present?					la tha Sam	nlod Aro	o within a W/	stland?		Vac		No	
Hydric Soil Present?	Yes		No		is the Sali		a within a We			Yes		No	
Wetland Hydrology Present?	Yes		No	\boxtimes									
Remarks: Upland													
VEGETATION – Use scientific names of plants			Domin	ont	Indiantar								
Tree Stratum (Plot size:)	Absolute % Cove		Domin Specie		Indicator Status	Domina	nce Test Wo	rksheet:					
1							of Dominant			0			(A)
2						That Are	e OBL, FACW	, or FAC:		<u>0</u>			(~)
3						Total Nu	umber of Dom	inant		1			(B)
4						Species	Across All St	rata:		<u> </u>			(D)
50% =, 20% =			= Tota	l Cove	r		of Dominant			<u>0</u>			(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are	e OBL, FACW	, or FAC:		<u>u</u>			(,,,,,,)
1						Prevale	nce Index wo	orksheet:					
2							Total % C	<u>Cover of :</u>		Multiply	<u>y by:</u>		
3						OBL spe	ecies			x1 =		_	
4						FACW s	pecies			x2 =		_	
5						FAC spe	ecies			x3 =		_	
50% =, 20% =			= Tota	I Cove	r	FACU s	pecies			x4 =		_	
Herb Stratum (Plot size:)						UPL spe	ecies			x5 =		_	
1. <u>Erodium botrys</u>	<u>90</u>		<u>ves</u>		FACU	Column	Totals:	(A)				_ (B	5)
2. <u>Geranium molle</u>	<u>10</u>		no				Pr	evalence Index =	B/A =				
3						Hydrop	hytic Vegeta	tion Indicators:					
4							Dominand	ce Test is >50%					
5							Prevalenc	e Index is <3.0 ¹					
6							Morpholog	gical Adaptations ¹	' (Provi	de supp	orting		
7							data in Re	emarks or on a se	parate	sheet)			
8							Problema	tic Hydrophytic Ve	egetatio	on ¹ (Exp	lain)		
50% =, 20% =	100		= Tota	l Cove	r	1							
Woody Vine Stratum (Plot size:)								oil and wetland hy sturbed or probler		y must			
1								•					
2						Hydrop	hytic			_			_
50% =, 20% =			= Tota	l Cove	r	Vegetat	ion	Y	/es		No		\boxtimes
% Bare Ground in Herb Stratum 0	% Co	ver o	f Biotic	Crust		Present	ſ						
Remarks:													

US Army Corps of Engineers

Profile Description: (Description: (D	SOIL															Sam	pling P	oint:	<u>4b</u>
Line Color (mola) % Color (Mola) % Type Loc Texture Remarks D-18 10YR 3/4 100	Profile Descr	iption: (Describe	to the	depth	neede	ed to d	ocument the	indicate	or or cont	firm the a	absend	ce of inc	licato	ors.)					
0-18 1078-244 100	Depth	Matrix					Red	lox Feat	ures			_							
"Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Casted Sand Grains. *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solis*: Histic Epideon (A2) Stripped Matrix (S5) I on Muck (A9) (LRR C) Histic Epideon (A2) Depleted Matrix (F2) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Rede Parent Material (F72) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Rede Parent Material (F72) Trim Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Matrix (F3) Other (Explain in Remarks) Sandy Mucky Mineral (S1) Vernal Pools (F9) *Indicators of hydrophysic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:	(inches)	Color (moist)	2	<u>%</u>	Col	or (Moi	<u>ist) %</u>	2	Type ¹	Lo	oc^2	<u>T</u> e	exture	<u>e R</u> e	emarks				
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosol (A1) Sandy Redxx (\$\$5) 1 tom Muck (A9) (LRR C) Histosol (A2) Stripped Matrix (\$\$6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Daeny Gleyed Matrix (\$\$2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (\$\$3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redxo Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redx Depressions (F8) Sandy Gleyed Matrix (\$4) Vernal Pools (\$9) Princicators of hydrophytic vegetation and wetiand hydrology must be present; unless disturbed or problematic. Restrictive Layer (if present):	<u>0-18</u>	<u>10YR 3/4</u>	<u>1(</u>	00								L	<u>.oam</u>						
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosol (A1) Sandy Redxx (\$\$5) 1 tom Muck (A9) (LRR C) Histosol (A2) Stripped Matrix (\$\$6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Daeny Gleyed Matrix (\$\$2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (\$\$3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redxo Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redx Depressions (F8) Sandy Gleyed Matrix (\$4) Vernal Pools (\$9) Princicators of hydrophytic vegetation and wetiand hydrology must be present; unless disturbed or problematic. Restrictive Layer (if present):					-							_							
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosol (A1) Sandy Redxx (\$\$5) 1 tom Muck (A9) (LRR C) Histosol (A2) Stripped Matrix (\$\$6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Daeny Gleyed Matrix (\$\$2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (\$\$3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redxo Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redx Depressions (F8) Sandy Gleyed Matrix (\$4) Vernal Pools (\$9) Princicators of hydrophytic vegetation and wetiand hydrology must be present; unless disturbed or problematic. Restrictive Layer (if present):												_							
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosol (A1) Sandy Redxx (\$\$5) 1 tom Muck (A9) (LRR C) Histosol (A2) Stripped Matrix (\$\$6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Daeny Gleyed Matrix (\$\$2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (\$\$3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redxo Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redx Depressions (F8) Sandy Gleyed Matrix (\$4) Vernal Pools (\$9) Princicators of hydrophytic vegetation and wetiand hydrology must be present; unless disturbed or problematic. Restrictive Layer (if present):					-							_							
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosol (A1) Sandy Redxx (\$\$5) 1 tom Muck (A9) (LRR C) Histosol (A2) Stripped Matrix (\$\$6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Daeny Gleyed Matrix (\$\$2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (\$\$3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redxo Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redx Depressions (F8) Sandy Gleyed Matrix (\$4) Vernal Pools (\$9) Princicators of hydrophytic vegetation and wetiand hydrology must be present; unless disturbed or problematic. Restrictive Layer (if present):												_							
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosol (A1) Sandy Redxx (\$\$5) 1 tom Muck (A9) (LRR C) Histosol (A2) Stripped Matrix (\$\$6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Daeny Gleyed Matrix (\$\$2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (\$\$3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redxo Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redx Depressions (F8) Sandy Gleyed Matrix (\$4) Vernal Pools (\$9) Princicators of hydrophytic vegetation and wetiand hydrology must be present; unless disturbed or problematic. Restrictive Layer (if present):												_							
Image: Histopedic (A1) Sandy Redox (S5) 1 cm Muck (A3) (LRR C) Image: Histopedic (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Image: Black Histo (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Glaved Matrix (F2) Red Parent Musicrial (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) In cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Bolw Dark Surface (A11) Depleted Bolw Dark Surface (A12) Back Histic (S1) Wetran Hools (F9) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (ff present): Type:	¹ Type: C= Cor	ncentration, D=De	epletion,	, RM=F	Reduce	ed Matr	rix, CS=Cover	ed or Co	bated San	d Grains.	² Loc	ation: Pl	L=Po	re Lining, M=N	Matrix.				
□ Histic Epipedon (A2) □ Stripped Matrix (S6) □ 2 cm Muck (A10) (LRR B) □ Black Histic (A3) □ Loamy Mucky Mineral (F1) □ Reduced Vertic (F18) □ Hydrogen Sulfide (A4) □ Depleted Matrix (F2) □ Red Parent Material (TF2) □ Stratified Layers (A5) (LRR D) □ Redox Dark Surface (F6) □ Other (Explain in Remarks) □ Thick Mark Surface (A11) □ Depleted Matrix (F3) □ Other (Explain in Remarks) □ Thick Nark Surface (A11) □ Depleted Matrix (F3) □ Other (Explain in Remarks) □ Thick Dark Surface (A11) □ Depleted Matrix (F3) □ Notation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present):	Hydric Soil In	dicators: (Appli	cable to	o all LF	RRs, u	nless o	otherwise no	ted.)					Indic	ators for Pro	blematic	Hydric S	ioils ³ :		
Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Ventic (F18) Hydrogen Sulfide (A4) Loamy Giveed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) I om Muck (A9) (LRR D) Redox Dark Surface (F7) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) 3andy Gleyed Matrix (S4) ventiand Pools (F9) Remarks: Type: Depth (Inches):	Histosol	(A1)					Sandy Redo	x (S5)						1 cm Muck	(A9) (LRR	C)			
□ Hydrogen Sulfide (A4) □ Loamy Gleged Matrix (F2) □ Red Parent Material (TF2) U □ Stratified Layers (A5) (LRR C) □ Depleted Matrix (F3) □ Other (Explain in Remarks) □ torm Muck (A9) (LRR D) □ Depleted Matrix (F3) □ Other (Explain in Remarks) □ torm Muck (A9) (LRR D) □ Depleted Dark Surface (F6) □ □ □ Depleted Below Dark Surface (A12) □ Redox Depressions (F8) □ □ □ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) □ □ □ □ Sandy Gleged Matrix (S4) □ Vernal Pools (F9) □ □ □ Bardy Gleged Matrix (S4) □ Vernal Pools (F9) □ □ □ □ Poplet (Inches): □ Hydrogensent? Yes No ☑ Remarks: □ No ☑ □ □ No ☑ Primary Indicators (Innimum of one required; check all that apply) □ Secondary Indicators (2 or more required) □ □ □ □ No	Histic E	pipedon (A2)					Stripped Ma	trix (S6)						2 cm Muck	(A10) (LR	R B)			
Stratilied Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) I om Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) **Indicators of hydrophytic vegetation and wettand hydrology must be present, unless disturbed or problematic. Sandy Gleyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (if present): turnelse disturbed or problematic. Type:	Black H	istic (A3)					Loamy Muc	ky Miner	ral (F1)					Reduced V	ertic (F18)				
 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present):	Hydroge	en Sulfide (A4)					Loamy Gley	ed Matr	ix (F2)					Red Parent	t Material (TF2)			
□ Depleted Below Dark Surface (A11) □ Depleted Dark Surface (F7) □ Thick Dark Surface (A12) □ Redox Depressions (F8) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. □ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type:	Stratifie	d Layers (A5) (LR	(R C)				Depleted Ma	atrix (F3)					Other (Expl	lain in Rem	narks)			
□ Thick Dark Surface (A12) □ Redox Depressions (F8) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. □ Sandy Gleyed Matrix (S4)	🔲 1 cm Mu	uck (A9) (LRR D)					Redox Dark	Surface	e (F6)										
□ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. □ Sandy Gleyed Matrix (S4) unless disturbed or problematic. wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present):	Deplete	d Below Dark Sur	face (A	.11)			Depleted Da	ark Surfa	ace (F7)										
□ Sandy Mucky Mineral (S1) □ Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present):	Thick D	ark Surface (A12)					Redox Depr	essions	(F8)					³ Indicators	of hydroph	vtic vog	tation	and	
□ Sandy Gleyed Matrix (S4) unless disturbed or problematic. Remarks: Type:	Sandy N	/lucky Mineral (S1)				Vernal Pool	s (F9)											
Type:	Sandy C	Gleyed Matrix (S4)																
Depth (Inches):	Restrictive La	ayer (if present):																	
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Ye	Туре:																		
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) (Riverine) Vater Marks (B1) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): No Saturation Present? Yes No Saturation Present? Yes No Saturation Present? Yes No Saturation Present? Yes No Saturation Present? Yes </td <td>Remarks:</td> <td></td>	Remarks:																		
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) (Riverine) Vater Marks (B1) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): No Saturation Present? Yes No Saturation Present? Yes No Saturation Present? Yes No Saturation Present? Yes No Saturation Present? Yes </td <td></td> <td>Υ Υ</td> <td></td>		Υ Υ																	
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High Water Table (A2) □ Biotic Crust (B12) □ Sediment Deposits (B2) (Riverine) □ Saturation (A3) □ Aquatic Invertebrates (B13) □ Drift Deposits (B3) (Riverine) □ Water Marks (B1) (Nonriverine) □ Hydrogen Sulfide Odor (C1) □ Drainage Patterns (B10) □ Sediment Deposits (B2) (Nonriverine) □ Oxidized Rhizospheres along Living Roots (C3) □ Dry-Season Water Table (C2) □ Drift Deposits (B3) (Nonriverine) □ Presence of Reduced Iron (C4) □ Crayfish Burrows (C8) □ Surface Soil Cracks (B6) □ Recent Iron Reduction in Tilled Soils (C6) □ Saturation Visible on Aerial Imagery (C9) □ Inundation Visible on Aerial Imagery (B7) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) Water-Stained Leaves (B9) □ Other (Explain in Remarks) □ FAC-Neutral Test (D5) Field Observations:								311)					_			-	,		
Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field User Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):		. ,														-	e)		
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Depth (inches): Yes Saturation Present? Yes No Depth (inches): Yes Saturation Present? Yes No Depth (inches): Yes									es (B13)					-		-	- /		
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Depth (inches): Yes Saturation Present? Yes No Depth (inches): Yes Saturation Present? Yes No Depth (inches): Yes			verine))									_			- /			
□ Drift Deposits (B3) (Norriverine) □ Presence of Reduced Iron (C4) □ Crayfish Burrows (C8) □ Surface Soil Cracks (B6) □ Recent Iron Reduction in Tilled Soils (C6) □ Saturation Visible on Aerial Imagery (C9) □ Inundation Visible on Aerial Imagery (B7) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Water-Stained Leaves (B9) □ Other (Explain in Remarks) □ FAC-Neutral Test (D5) Field User Water Present? Yes □ No ⊠ Depth (inches):			-							Living Ro	oots (C			-		(C2)			
Surface Soil Cracks (B6) □ Recent Iron Reduction in Tilled Soils (C6) □ Saturation Visible on Aerial Imagery (C9) □ Inundation Visible on Aerial Imagery (B7) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Water-Stained Leaves (B9) □ Other (Explain in Remarks) □ FAC-Neutral Test (D5) Field Observations:		,	•					-	-	-				-		()			
□ Inundation Visible on Aerial Imagery (B7) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Water-Stained Leaves (B9) □ Other (Explain in Remarks) □ FAC-Neutral Test (D5) Field Observations:				,							(6)	_	_	=		ial Imag	erv (CS	9)	
□ Water-Stained Leaves (B9) □ Other (Explain in Remarks) □ FAC-Neutral Test (D5) Field Observations:		()		aerv (B	(7)								_			iai iiiag	.) (00	,	
Field Observations: Surface Water Present? Yes No Depth (inches):				90.7 (2	.,								_						
Surface Water Present? Yes No Depth (inches):												L			201 (20)				
Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No			Yes		No		Denth (inches).											
Saturation Present? Ves D No M Depth (inches): Wetland Hydrology Present? Yes D No M																			
		sent?						,				-			1 0	V.	_	N -	2
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	(includes capi	llary fringe)								ns), if avai			Hydro	biogy Presen	t?	Yes		NO	M

Project Site: SPTC-JPA					City/Count	ty: <u>Folsom</u>	n/Sacramento	S	Samplir	ng Date:	<u>12/18</u>	8/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	velopn	nent			State:	<u>CA</u> S	amplin	ng Point:	<u>5b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, R	ange: <u>S 16,</u>	<u>T 9 N, R 8 E</u>					
Landform (hillslope, terrace, etc.): Hollslope				Loc	cal relief (cor	ncave, conv	vex, none): <u>c</u>	oncave		Slo	pe (%):	<u>3</u>	
Subregion (LRR): C	Lat: 3	8.63	99504			Long:	-121.1070158	<u>8</u>	Da	atum: <u>I</u>	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes					NWI classifica	tion: <u>I</u>	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for this	s time	e of yea	ar?	Yes 🛛	No	🔲 (If no, e	explain in Rema	rks.)				
Are Vegetation , Soil , or Hydrology	🔲 sigi	nifica	ntly dis	sturbed	? Are "	Normal Cir	cumstances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗆 nat	urally	, proble	ematic?	(If ne	eded, expla	ain any answe	ers in Remarks.)	Į				
SUMMARY OF FINDINGS – Attach site map sh	nowing	sam	pling	point	locations,	transect	s, importan	it features, et	с.				
Hydrophytic Vegetation Present?	Yes		No	.⊠			· •						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	pled Area	within a Wet	tland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes									
Remarks: Upland													
VEGETATION – Use scientific names of plants	5.												
Tree Stratum (Plot size:)	Absolute % Cove		Domina Specie		Indicator Status	Dominar	nce Test Wor	ksheet:					
1		-		<u>.</u>		Number	of Dominant S	Species					
2							OBL, FACW,			<u>0</u>			(A)
3						Total Nur	mber of Domir	nant		4			
4						Species /	Across All Stra	ata:		<u>1</u>			(B)
50% =, 20% =			= Total	l Cover			of Dominant S			<u>0</u>			(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are	OBL, FACW,	or FAC:		<u>v</u>			(700)
1						Prevalen	ice Index wo	rksheet:					
2	<u> </u>						Total % C	over of :		<u>Multipl</u>	<u>y by:</u>		
3	<u> </u>					OBL spe	cies			x1 =		_	
4						FACW sp	pecies			x2 =		_	
5					—	FAC spe	cies			x3 =		_	
50% =, 20% =			= Total	l Cover		FACU sp	ecies			x4 =		_	
Herb Stratum (Plot size:)						UPL spec	cies			x5 =		_	
1. <u>Erodium botrys</u>	<u>90</u>		<u>yes</u>		FACU	Column 1	Totals:	(A)				_ (B	5)
2. <u>Geranium molle</u>	<u>10</u>		no				Pre	valence Index =	B/A =				
3						Hydroph		on Indicators:					
4							Dominance	e Test is >50%					
5							Prevalence	e Index is $\leq 3.0^1$					
6							Morphologi	ical Adaptations	¹ (Prov	ide supp	orting		
7							data in Rer	marks or on a se	parate	sheet)			
8							Problemati	c Hydrophytic V	egetati	on ¹ (Exp	olain)		
50% =, 20% =	<u>100</u>		= Total	I Cover		¹ Indianta	ro of hudric oc	il and watland b	varala				
Woody Vine Stratum (Plot size:)								il and wetland h urbed or probler		yy musi			
1					—								
2					—	Hydroph	ytic			_			57
50% =, 20% =			= Total	I Cover		Vegetation Present?		١	(es		No		\boxtimes
% Bare Ground in Herb Stratum 0	% Cov	ver of	f Biotic	Crust		FIESHIL							
Remarks:													

US Army Corps of Engineers

										Sar			
Profile Des	cription: (Describe t	o the dept	h neede	d to d	ocument the indicator or o	onfirm the ab	osence of	indica	ators.)				
Depth	Matrix				Redox Features								
(inches)	Color (moist)	%	Col	or <u>(</u> Moi	<u>st) % Typ</u>	e ¹ Loo	<u>c</u> ²	Text	ure <u>Remarks</u>	<u>6</u>			
<u>0-10</u>	<u>10YR 3/4</u>	<u>90</u>	9	<u>gravel</u>	<u>10</u>			Gravel	loam				
			-										
			-										
¹ Type: C= C	oncentration, D=Dep	letion, RM=	Reduce	d Matr	ix, CS=Covered or Coated S	and Grains.	² Locatior	n: PL=F	Pore Lining, M=Matrix.				
	Indicators: (Applica								dicators for Problema	tic Hydric	Soils ³ :		
Histos	sol (A1)		,		Sandy Redox (S5)				1 cm Muck (A9) (L	_RR C)			
_	Epipedon (A2)				Stripped Matrix (S6)				2 cm Muck (A10)	-			
	Histic (A3)				Loamy Mucky Mineral (F1				Reduced Vertic (F	-			
	gen Sulfide (A4)				Loamy Gleyed Matrix (F2)				Red Parent Materi	-			
_	ied Layers (A5) (LRR	C)			Depleted Matrix (F3)				Other (Explain in F				
	Muck (A9) (LRR D)	-)			Redox Dark Surface (F6)					(onnanno)			
	ted Below Dark Surfa	CP (A11)			Depleted Dark Surface (F	7)							
	Dark Surface (A12)				Redox Depressions (F8)	,							
_	/ Mucky Mineral (S1)				Vernal Pools (F9)				³ Indicators of hydro				
	Gleyed Matrix (S4)								wetland hydrolo unless disturb		•	it,	
	Layer (if present):										ematic.		
	Layer (il present).												
Type: Depth (Inche									Yes	_		57	
Deptil (Illelie	53).					Hydric 9	Saile Prog	cont?			No		
Romarks:	,					Hydric S	Soils Pres	sent?	163	s 🗌	No	\boxtimes	
Remarks:	, <u> </u>					Hydric \$	Soils Pre	sent?	163	s 🗆	No		
Remarks:						Hydric S	Soils Pres	sent?	163	s 🗌	No		
HYDROLO						Hydric S	Soils Pres	sent?	163	s ∐ 	No		
HYDROLC Wetland Hy	DGY	ne requirec	l; check	all that	: apply)	Hydric S	Soils Pres		ondary Indicators (2 or				
HYDROLC Wetland Hy Primary Indi	DGY drology Indicators:	ne requirec	l; check	all that	apply) Salt Crust (B11)	Hydric S	Soils Pres			more requ			
HYDROLC Wetland Hy Primary Indi	DGY rdrology Indicators: cators (minimum of o	ne requirec	l; check			Hydric S	Soils Pres	Sec	ondary Indicators (2 or	more requ iverine)	ired)		
HYDROLC Wetland Hy Primary Indi	DGY rdrology Indicators: cators (minimum of o ce Water (A1)	ne requirec	l; check		Salt Crust (B11)		Soils Pres	Sec	ondary Indicators (2 or Water Marks (B1) (Ri	more requ iverine) 32) (Riveri	ired)		
HYDROLC Wetland Hy Primary Indi Surfa High	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2)		l; check		Salt Crust (B11) Biotic Crust (B12))	Soils Pres	Sec	ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (B	more requ iverine) 32) (Riveri Riverine)	ired)		
HYDROLC Wetland Hy Primary Indi Surfa High Satur Wate	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2) ation (A3)	erine)			Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13	;)		Sec.	ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (B Drift Deposits (B3) (R	more requ iverine) 32) (Riveri Siverine) 10)	ired)		
HYDROLC Wetland Hy Primary Indi Surfa High Satur Wate Sedin	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv	erine) onriverine			Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13 Hydrogen Sulfide Odor (C	i) 1) Ding Living Roc		Sec	ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (B Drift Deposits (B3) (R Drainage Patterns (B	more requ iverine) 32) (Riveri Riverine) 10) able (C2)	ired)		
HYDROLC Wetland Hy Primary Indi Surfa High Satur Wate Sedin Drift I	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv nent Deposits (B2) (N	erine) onriverine			Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13 Hydrogen Sulfide Odor (C Oxidized Rhizospheres all	i) 1) (C4)		Seco	ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (B Drift Deposits (B3) (R Drainage Patterns (B Dry-Season Water Ta	more requ iverine) 32) (Riveri Riverine) 10) able (C2) 3)	ired) ne)		
HYDROLC Wetland Hy Primary Indi Surfa High Satur Wate Sedin Drift [Surfa	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv nent Deposits (B2) (N Deposits (B3) (Norriv	erine) Ionriverine Verine)	•)		Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13 Hydrogen Sulfide Odor (C Oxidized Rhizospheres ald Presence of Reduced Iron Recent Iron Reduction in	i) 1) (C4)		Sec	ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (B Drift Deposits (B3) (R Drainage Patterns (B Dry-Season Water Ta Crayfish Burrows (C8	more requ iverine) 32) (Riveri Riverine) 10) able (C2) 3) Aerial Ima	ired) ne)		
HYDROLC Wetland Hy Primary Indi Surfa High Satur Satur Wate Sedin Drift I Surfa I nund	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv nent Deposits (B2) (N Deposits (B3) (Nonriv ce Soil Cracks (B6)	erine) Ionriverine rerine)	•)		Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13 Hydrogen Sulfide Odor (C Oxidized Rhizospheres all Presence of Reduced Iron	i) 1) ong Living Roc (C4) iilled Soils (C6		Sec.	ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (E Drift Deposits (B3) (R Drainage Patterns (B Dry-Season Water Ta Crayfish Burrows (C8 Saturation Visible on	more requ iverine) 32) (Riveri Riverine) 10) able (C2) 3) Aerial Ima	ired) ne)		
HYDROLC Wetland Hy Primary Indi Surfa High Satur Satur Wate Sedin Drift I Surfa	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv nent Deposits (B2) (Nonriv ce Soil Cracks (B6) lation Visible on Aeria r-Stained Leaves (B9)	erine) Ionriverine rerine)	•)		Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B12) Hydrogen Sulfide Odor (C Oxidized Rhizospheres all Presence of Reduced Iron Recent Iron Reduction in Thin Muck Surface (C7)	i) 1) ong Living Roc (C4) iilled Soils (C6			ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (E Drift Deposits (B3) (R Drainage Patterns (B Dry-Season Water Ta Crayfish Burrows (C8 Saturation Visible on Shallow Aquitard (D3	more requ iverine) 32) (Riveri Riverine) 10) able (C2) 3) Aerial Ima	ired) ne)		
HYDROLC Wetland Hy Primary Indi Surfa High Satur Satur Satur Satur Surfa Surfa Surfa Nund Wate	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv nent Deposits (B2) (N Deposits (B3) (Nonriv ce Soil Cracks (B6) lation Visible on Aeria r-Stained Leaves (B9 rvations:	erine) Ionriverine verine) I Imagery (•)		Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B12) Hydrogen Sulfide Odor (C Oxidized Rhizospheres all Presence of Reduced Iron Recent Iron Reduction in Thin Muck Surface (C7)	i) 1) ong Living Roc (C4) iilled Soils (C6			ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (E Drift Deposits (B3) (R Drainage Patterns (B Dry-Season Water Ta Crayfish Burrows (C8 Saturation Visible on Shallow Aquitard (D3	more requ iverine) 32) (Riveri Riverine) 10) able (C2) 3) Aerial Ima	ired) ne)		
HYDROLC Wetland Hy Primary Indi Surfa High Satur Wate Sedin Drift I Surfa Surfa Hund Field Obser	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv nent Deposits (B2) (N Deposits (B3) (Nonriv ce Soil Cracks (B6) lation Visible on Aeria r-Stained Leaves (B9 rvations: ter Present? Ye	erine) Ionriverine rerine) II Imagery ()) B7)		Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13 Hydrogen Sulfide Odor (C Oxidized Rhizospheres all Presence of Reduced Iron Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks	i) 1) ong Living Roc (C4) iilled Soils (C6			ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (E Drift Deposits (B3) (R Drainage Patterns (B Dry-Season Water Ta Crayfish Burrows (C8 Saturation Visible on Shallow Aquitard (D3	more requ iverine) 32) (Riveri Riverine) 10) able (C2) 3) Aerial Ima	ired) ne)		
HYDROLC Wetland Hy Primary Indi Surfa High Satur Wate Sedin Drift I Surfa Field Obser Surface Wate	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv nent Deposits (B2) (Norriv ce Soil Cracks (B6) lation Visible on Aeria r-Stained Leaves (B9 rvations: ter Present? Ye Present? Ye	erine) lonriverine rerine) Il Imagery () es	e) B7) No No		Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B12) Hydrogen Sulfide Odor (C Oxidized Rhizospheres ald Presence of Reduced Iron Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches):	i) 1) ong Living Roc (C4) iilled Soils (C6	5)	Secc C C C C C C C C C C C C C	ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (B Drift Deposits (B3) (R Drainage Patterns (B Dry-Season Water Ta Crayfish Burrows (C8 Saturation Visible on Shallow Aquitard (D3 FAC-Neutral Test (D8	more requ iverine) 32) (Riveri 32) (Riveri 32) (Riveri 32) 10) 30 30 4 Aerial Ima 30 5)	ired) ne) gery (CS)	
HYDROLC Wetland Hy Primary Indi Surfa High Satur Wate Sedin Drift I Surfa Field Obser Surface Wate Saturation F (includes ca	DGY rdrology Indicators: cators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv nent Deposits (B2) (N Deposits (B3) (Nonriv ce Soil Cracks (B6) lation Visible on Aeria r-Stained Leaves (B9 rvations: ter Present? Ye Present? Ye Present? Ye	erine) Ionriverine rerine) Il Imagery () es es es es es es	e) B7) No No No		Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B12) Hydrogen Sulfide Odor (C Oxidized Rhizospheres all Presence of Reduced Iron Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches):	i) 1))ng Living Roc (C4) iilled Soils (C6) Wetla	Secc C C C C C C C C C C C C C	ondary Indicators (2 or Water Marks (B1) (Ri Sediment Deposits (E Drift Deposits (B3) (R Drainage Patterns (B Dry-Season Water Ta Crayfish Burrows (C8 Saturation Visible on Shallow Aquitard (D3	more requ iverine) 32) (Riveri Riverine) 10) able (C2) 3) Aerial Ima	ired) ne)		

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folson</u>	n/Sacra	<u>imento</u>	Samplir	ng Date:	<u>12/18</u>	/201	4
Applicant/Owner: El Dorado County Department of	f Econom	nic De	evelopr	ment			5	State: <u>CA</u>	Samplin	ng Point:	<u>6b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, R	ange:	<u>S 16, T 9 N, R 8 E</u>	<u>=</u>				
Landform (hillslope, terrace, etc.): Side of Railroad				Lo	cal relief (cor	ncave, con	vex, no	ne): <u>concave</u>		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.63	<u> 99857</u>			Long:	-121.1	068908	D	atum: <u>I</u>	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes					NWI class	sification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typi	cal for thi	is tim	e of ye	ar?	Yes 🛛	No		(If no, explain in R	emarks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	antly dis	sturbec	l? Are "	Normal Ci	rcumsta	ances" present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	nat	turally	y proble	ematic	? (If ne	eeded, expl	lain any	answers in Rema	rks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowina	sam	plina	point	locations.	. transect	ts. imr	ortant features	. etc.				
Hydrophytic Vegetation Present?	Yes		No		,	,			,				
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Area	a within	a Wetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks: Upland													
VEGETATION – Use scientific names of plants	6.												
Tree Stratum (Plot size:)	Absolut % Cove		Domin Specie		Indicator Status	Domina	nce Te	st Worksheet:					
1								inant Species		1			(Δ)
2						That Are	OBL, F	FACW, or FAC:		<u>1</u>			(A)
3								f Dominant		<u>3</u>			(B)
4						Species	Across	All Strata:		<u>v</u>			(D)
50% =, 20% =)			= Tota	l Cove	r			inant Species FACW, or FAC:		<u>33</u>			(A/B)
Sapling/Shrub Stratum (Plot size:)								ex worksheet:					
1 2.						Flevalei		al % Cover of :		Multipl	y by:		
3.						OBL spe				x1 =	<u>y Dy.</u>		
4.						FACW s				x2 =		_	
						FAC spe	-	10		x3 =	30	_	
50% = , 20% =			= Tota		r	FACU spe		20		x4 =	<u>30</u> 80		
			= 10la		I			20			00		
Herb Stratum (Plot size:)	40				FACU	UPL spe				x5 =	440		
1. <u>Erodium botrys</u>	<u>10</u>		<u>yes</u>		FACU	Column	Totals:	<u>30</u> (A)			<u>110</u>	(B)	
2. <u>Festuca perennis</u>	<u>10</u>		<u>yes</u>		FAC			Prevalence Inc		= <u>3.67</u>			
3. <u>Bromus hordeaceus</u>	<u>10</u>		<u>ves</u>		<u>FACU</u>		-	egetation Indicato					
4					—		Dom	ninance Test is >50)%				
5							Prev	/alence Index is <u><</u> 3	5.0 ¹				
6 7								phological Adaptat i in Remarks or on			orting		
8							Drok	plematic Hydrophyl	tia Vagatati	an ¹ (Evr	lein)		
50% =, 20% =	30		– Tota	l Cove	r		PIO	ретацс пудгорну	lic vegetati	on (Ext	nain)		
Woody Vine Stratum (Plot size:)	00		- 1010	. 0010	•			dric soil and wetla		gy must			
1.						be prese	ent, unle	ess disturbed or pro	blematic.				
2.													
50% = , 20% =			= Tota	l Cove	r	Hydroph Vegetati			Yes		No		\boxtimes
% Bare Ground in Herb Stratum 70	% Co	vero	f Biotic			Present							
Remarks:	,,,000		. 5.000	. 0.031		I							

US Army Corps of Engineers

Project Site:	SPTC-JPA

SOIL												Sa	mpling	Point:	<u>6b</u>
Profile Descr	iption: (Descri	be to th	e depth	neede	ed to d	ocument the indicato	r or con	firm the abs	sence o	of indica	tors.)				
Depth	Matr	ix				Redox Featu	ires								
<u>(inches)</u>	Color (moist)	<u>%</u>	Col	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²		Textu	re <u>Remark</u>	<u>s</u>			
<u>0-12</u>	<u>10YR 4/3</u>		<u>90</u>		<u>gravel</u>	<u>10</u>			_	Clay lo	<u>am</u>				
<u> </u>		-							_						
		-							_						
<u> </u>		-							_						
<u> </u>		-							_						
	. <u> </u>	_					<u> </u>								
¹ Type: C= Co	ncentration, D=I	Depletic	on, RM=	Reduce	ed Mati	ix, CS=Covered or Co	ated San	d Grains. 2	Locatio		ore Lining, M=Matrix.				
		licable	to all L	RRs, u	nless	otherwise noted.)					icators for Problema		: Soils'		
Histoso	l (A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10)	(LRR B)			
Black H	istic (A3)					Loamy Mucky Minera	al (F1)				Reduced Vertic (F	-18)			
Hydroge	en Sulfide (A4)					Loamy Gleyed Matrix	(F2)				Red Parent Mater	rial (TF2)			
Stratifie	d Layers (A5) (I	LRR C)				Depleted Matrix (F3)					Other (Explain in	Remarks)			
1 cm Mi	uck (A9) (LRR [))				Redox Dark Surface	(F6)								
Deplete	d Below Dark S	urface ((A11)			Depleted Dark Surfa	ce (F7)								
Thick D	ark Surface (A1	2)				Redox Depressions	F8)				³ Indicators of hydi	ophytic ve	getatior	n and	
Sandy N	Mucky Mineral (S1)				Vernal Pools (F9)					wetland hydrold	ogy must b	e prese	nt,	
Sandy C	Gleyed Matrix (S	64)									unless disturb	ed or prob	lematic	•	
Restrictive La	ayer (if present	t):													
Туре:															
Depth (Inches	s):							Hydric So	oils Pre	sent?	Ye	s 🗌	No	\triangleright	3
Remarks:															
HYDROLOG	ΞY														
	rology Indicato	ors:													
Primary Indica	ators (minimum	of one r	equired	; check	all tha	t apply)				Seco	ndary Indicators (2 or	more requ	uired)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (R	iverine)			
🖾 🛛 High W	ater Table (A2)					Biotic Crust (B12)					Sediment Deposits (B2) (River	ine)		
Saturat	ion (A3)					Aquatic Invertebrates	s (B13)				Drift Deposits (B3) (I	Riverine)			
U Water	Marks (B1) (Nor	nriverin	e)			Hydrogen Sulfide Od	or (C1)				Drainage Patterns (E	310)			
Sedime	ent Deposits (B2	2) (Non r	viverine))		Oxidized Rhizospher	es along	Living Roots	s (C3)		Dry-Season Water T	able (C2)			
Drift De	posits (B3) (No	nriverii	ne)			Presence of Reduce	d Iron (C	4)			Crayfish Burrows (C	3)			
Surface	e Soil Cracks (B	6)				Recent Iron Reduction	n in Tille	d Soils (C6)			Saturation Visible on	Aerial Ima	agery (C	:9)	
Inundat	tion Visible on A	erial Im	agery (E	37)		Thin Muck Surface (C7)				Shallow Aquitard (D3	3)			
□ Water-9	Stained Leaves	(B9)				Other (Explain in Re	narks)				FAC-Neutral Test (D	5)			
Field Observ	ations:														
Surface Wate	r Present?	Yes	\boxtimes	No		Depth (inches):	<u>2</u>								
Water Table F	Present?	Yes	\boxtimes	No		Depth (inches):	<u>2</u>								
Saturation Pre (includes capi		Yes	\boxtimes	No		Depth (inches):	8		Wetla	and Hyd	rology Present?	Yes		No	
		eam gau	uge, mor	nitoring	well, a	erial photos, previous	nspectio	ns), if availal	ble:						
		0	.	5											

Project Site: SPTC-JPA					City/Count	y: Folsom/Sacramento	Sampling Date	: <u>12/18</u> /	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment		State: CA	Sampling Point	: <u>7b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, Range: <u>S 16, T 9 N, R 8 E</u>				
Landform (hillslope, terrace, etc.): hillslope				Lo	cal relief (cor	ncave, convex, none): <u>concave</u>	Slo	ope (%):	<u>2</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.63	601			Long: <u>-121.10182</u>	Datum:	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes			NWI class	ification: <u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No 🔲 (If no, explain in Re	marks.)			
Are Vegetation \Box , Soil \Box , or Hydrology	🗌 sig	nifica	ntly di	sturbec	? Are "	Normal Circumstances" present?	Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗌 nat	urally	y probl	ematic	? (If ne	eded, explain any answers in Remar	ks.)			
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	pling	point	locations,	transects, important features	, etc.			
Hydrophytic Vegetation Present?	Yes	\boxtimes	No							
Hydric Soil Present?	Yes		No		Is the Sam	pled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes						
Remarks: Upland										
VEGETATION – Use scientific names of plants	5.									
Tree Stratum (Plot size:)	Absolute % Cove		Domin Specie		Indicator Status	Dominance Test Worksheet:				
1						Number of Dominant Species	1			(A)
2						That Are OBL, FACW, or FAC:	<u>1</u>			(~)
3						Total Number of Dominant	<u>1</u>			(B)
4						Species Across All Strata:	<u> -</u>			(_)
50% =, 20% =			= Tota	al Cove	r	Percent of Dominant Species	100			(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are OBL, FACW, or FAC:				· ,
1						Prevalence Index worksheet:				
2						Total % Cover of :	<u>Multip</u>	<u>ly by:</u>		
3						OBL species	x1 =		-	
4					—	FACW species	x2 =		-	
5						FAC species	x3 =		-	
50% =, 20% =			= Tota	al Cove	r	FACU species	x4 =		-	
Herb Stratum (Plot size:)						UPL species	x5 =		-	
1. <u>Festuca perennis</u>	<u>100</u>		<u>yes</u>		<u>FAC</u>	Column Totals: <u>30</u> (A)				
2						Prevalence Inde	ex = B/A =			
3						Hydrophytic Vegetation Indicato	rs:			
4						Dominance Test is >50	%			
5						Prevalence Index is <3	.0 ¹			
6						Morphological Adaptati		porting		
7						data in Remarks or on a	a separate sheet)			
8						Problematic Hydrophyti	c Vegetation ¹ (Ex	plain)		
50% =, 20% =	<u>100</u>		= Tota	al Cove	r	1				
Woody Vine Stratum (Plot size:)						¹ Indicators of hydric soil and wetlar be present, unless disturbed or pro				
1						. <i>,</i>				
2						Hydrophytic				_
50% =, 20% =			= Tota	al Cove	r	Vegetation	Yes 🛛	No		
% Bare Ground in Herb Stratum 0	% Co	ver o	f Biotic	Crust		Present?				
Remarks:										

US Army Corps of Engineers

Project Site: SPTC-JF	t Site: <u>SPTC-JPA</u>
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SOIL													Sam	pling P	oint:	<u>7b</u>
Profile Descr	iption: (Describ	e to th	e depth	n neede	ed to d	locument the indicator	or confi	rm the abs	sence of	indica	tors.)					
Depth	Matrix	ĸ				Redox Featur	es									
(inches)	Color (moist)		<u>%</u>	Co	or (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	<u>Textu</u>	<u>ire Re</u>	emarks				
<u>0-12</u>	<u>7.5 YR 3/4</u>		<u>100</u>						_	Clay Ic	<u></u>					
		_							-							
		-							_							
		-							_							
		_							_							
		_							_							
¹ Type: C= Co	ncentration, D=D	epletio	on, RM=	Reduce	ed Mati	rix, CS=Covered or Coat	ted Sand	Grains. 2	Location		ore Lining, M=N					
Hydric Soil Ir	ndicators: (Appl	icable	to all L	RRs, u	nless	otherwise noted.)				Ind	icators for Pro	blematic I	Hydric S	Soils ³ :		
Histoso	l (A1)					Sandy Redox (S5)					1 cm Muck	(A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck	(A10) (LR I	R B)			
Black H	istic (A3)					Loamy Mucky Mineral	(F1)				Reduced Ve	ertic (F18)				
Hydroge	en Sulfide (A4)					Loamy Gleyed Matrix	(F2)				Red Parent	Material (TF2)			
Stratifie	d Layers (A5) (L	RR C)				Depleted Matrix (F3)					Other (Expl	ain in Rem	arks)			
1 cm M	uck (A9) (LRR D)				Redox Dark Surface (F6)									
Deplete	d Below Dark Su	irface ((A11)			Depleted Dark Surface	e (F7)									
Thick D	ark Surface (A12	2)				Redox Depressions (F	8)				³ Indicators of	of hydroph	vtic vege	etation	and	
Sandy N	Mucky Mineral (S	51)				Vernal Pools (F9)					wetland h	ydrology r	nust be	presen	t,	
Sandy C	Gleyed Matrix (S4	4)									unless o	disturbed o	or proble	matic.		
Restrictive La	ayer (if present)):														
Туре:																
Depth (Inches	s):							Hydric So	oils Pres	sent?		Yes		No	\boxtimes]
Remarks:																
HYDROLOG	θY															
Wetland Hyd	rology Indicator	rs:														
Primary Indica	ators (minimum c	of one r	equired	; check	all tha	t apply)				Seco	ondary Indicators	s (2 or moi	re requir	ed)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B	31) (River	ine)			
🔲 High W	ater Table (A2)					Biotic Crust (B12)					Sediment Depe	osits (B2)	Riverin	e)		
□ Saturat	ion (A3)					Aquatic Invertebrates	(B13)				Drift Deposits (B3) (Rive	rine)			
□ Water N	Marks (B1) (Non	riverin	e)			Hydrogen Sulfide Odo	or (C1)				Drainage Patte	erns (B10)				
Sedime	ent Deposits (B2)	(Nonr	iverine)		Oxidized Rhizosphere	s along l	_iving Roots	s (C3)		Dry-Season W	ater Table	(C2)			
Drift De	eposits (B3) (Nor	nriverir	ne)			Presence of Reduced	Iron (C4)			Crayfish Burro	ws (C8)				
Surface	e Soil Cracks (B6	5)				Recent Iron Reduction	n in Tilleo	Soils (C6)			Saturation Visi	ble on Aer	ial Imag	ery (CS	9)	
Inundat	tion Visible on Ae	erial Im	agery (E	37)		Thin Muck Surface (C	7)				Shallow Aquita	rd (D3)				
□ Water-	Stained Leaves (B9)				Other (Explain in Rem	arks)				FAC-Neutral T	est (D5)				
Field Observ	ations:															
Surface Wate	r Present?	Yes		No	\boxtimes	Depth (inches):										
Water Table F	Present?	Yes		No	\boxtimes	Depth (inches):										
Saturation Pre		Yes		No	\boxtimes	Depth (inches):			Wetlar	nd Hvd	rology Present	?	Yes		No	\boxtimes
(includes capi						aerial photos, previous in	spection	s) if availa								لات

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folsor</u>	n/Sacra	amento	Samplii	ng Date:	<u>12/18</u>	3/201	14
Applicant/Owner: El Dorado County Department of	f Econom	nic De	evelopr	ment			:	State: <u>CA</u>	Samplir	g Point:	<u>8b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, F	Range:	<u>S 16, T 9 N, R 8</u>	<u> </u>				
Landform (hillslope, terrace, etc.): hillslope				Lo	cal relief (cor	ncave, cor	ivex, no	one): <u>concave</u>		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat:	38.63	858177			Long:	-121.1	01502	D	atum: <u>N</u>	VAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percei	nt slo	pes					NWI cla	ssification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	is tim	e of ye	ar?	Yes 🛛	No		(If no, explain in I	Remarks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	antly dis	sturbed	? Are "	'Normal Ci	rcumsta	ances" present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗆 nat	turally	y proble	ematic	? (If ne	eeded, exp	lain any	answers in Rem	arks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowina	sam	plina	point	locations.	transec	ts. imr	oortant feature	es. etc.				
Hydrophytic Vegetation Present?	Yes		No				,						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Area	a withir	n a Wetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes									
Remarks: Upland													
VEGETATION – Use scientific names of plants	5.												
Tree Stratum (Plot size:)	Absolut		Domin		Indicator	Domina	nce Te	st Worksheet:					
1.	% Cove	<u>er</u>	Specie	<u>es :</u>	Status	Number		vinent Chesica					
2.								ninant Species FACW, or FAC:		<u>1</u>			(A)
3.						Total Nu	imber o	f Dominant					
4.								All Strata:		<u>1</u>			(B)
50% =, 20% =			= Tota	l Cove		Percent	of Dom	inant Species					
Sapling/Shrub Stratum (Plot size:)								FACW, or FAC:		<u>100</u>			(A/B)
1						Prevale	nce Ind	lex worksheet:					
2							Tot	al % Cover of :		Multipl	<u>y by:</u>		
3						OBL spe	ecies			x1 =		_	
4						FACW s	pecies			x2 =		_	
5						FAC spe	ecies			x3 =		_	
50% =, 20% =			= Tota	l Cove		FACU s	pecies			x4 =		_	
Herb Stratum (Plot size:)						UPL spe	ecies			x5 =			
1. <u>Festuca perennis</u>	100		ves		FAC	Column	Totals:	(A	N)			_ (B	3)
2.			-			Column	. otalo:	Prevalence In					
3.						Hydrop	hytic V	egetation Indica					
4.							-	ninance Test is >					
5.							Prov	valence Index is s	-2 0 ¹				
6								-	_	ide euror	orting		
7.							data	phological Adapta a in Remarks or o	n a separate	sheet)	orung		
8.							Prot	blematic Hydroph	vtic Voqotati	on ¹ (Evr	lain)		
50% =, 20% =	100		= Tota	l Cove			FIU		iyiic vegelali		nann)		
Woody Vine Stratum (Plot size:)								dric soil and wet		gy must			
1.						be prese	ent, unle	ess disturbed or p	problematic.				
2.													
50% = , 20% =			= Tota	l Cove		Hydrop Vegetat			Yes	\boxtimes	No	,	
% Bare Ground in Herb Stratum 0	% Co	ver o	f Biotic			Present							
Remarks:						I							

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL													Sam	pling F	oint:	<u>8b</u>
Profile De	escription: (Descri	be to th	ne depti	h need	ed to d	locument the indica	tor or conf	irm the abs	ence of	indica	tors.)					
Depth	Matr	rix				Redox Fe	atures									
(inches)	<u>Color (moist</u>	<u>t)</u>	<u>%</u>	<u>Cc</u>	olor (Mo	<u>%</u>	Type ¹	Loc ²		Textu	<u>ire</u>	Remarks				
<u>0-12</u>	<u>7.5 YR 3/4</u>		<u>100</u>						_	<u>Clay lo</u>	<u>am</u>					
		_							_							
		_							_							
		-							_							
		-							_							
		-							_							
¹ Type: C=	Concentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or 0	Coated Sand	Grains. ²	Locatior	n: PL=P	ore Lining, N	/I=Matrix.				
Hydric So	oil Indicators: (App	olicable	to all L	.RRs, u	unless	otherwise noted.)				Ind	icators for F	Problematic	Hydric S	Soils ³ :		
Hist	osol (A1)					Sandy Redox (S5)					1 cm Mu	ick (A9) (LRF	ς C)			
Hist	ic Epipedon (A2)					Stripped Matrix (S	6)				2 cm Mu	ick (A10) (LF	RRB)			
□ Blac	k Histic (A3)					Loamy Mucky Min	eral (F1)				Reduced	d Vertic (F18)			
□ Hyd	rogen Sulfide (A4)					Loamy Gleyed Ma	trix (F2)				Red Par	ent Material	(TF2)			
□ Stra	tified Layers (A5) (I	LRR C)				Depleted Matrix (F	3)				Other (E	xplain in Rer	narks)			
□ 1 cn	n Muck (A9) (LRR I	D)				Redox Dark Surface	ce (F6)									
🛛 Dep	leted Below Dark S	Surface	(A11)			Depleted Dark Sur	face (F7)									
Thic	k Dark Surface (A1	2)				Redox Depression	s (F8)				³ Indicato	rs of hydroph	nvtic vea	etation	and	
🛛 San	dy Mucky Mineral (S1)				Vernal Pools (F9)						id hydrology				
🛛 San	dy Gleyed Matrix (S	S4)									unle	ss disturbed	or proble	matic.		
Restrictiv	e Layer (if presen	t):														
Type:																
Depth (Inc	ches):							Hydric So	oils Pres	sent?		Yes		No	\boxtimes	1
Remarks:																
	007															
HYDROL Wotland L		ore:														
	Hydrology Indicato		roquirod	l· chocl	c all tha	t apply)				Soco	ndary Indica	tors (2 or ma		od)		
	dicators (minimum		iequiieu								Mater Mark			eu)		
	face Water (A1)					Salt Crust (B11)						s (B1) (Rive	-	a)		
	h Water Table (A2)					Biotic Crust (B12)	(D12)					eposits (B2)	-	e)		
	uration (A3)		-			Aquatic Invertebra						its (B3) (Rive	-			
	ter Marks (B1) (No i		-	、		Hydrogen Sulfide		index Dest	. (02)			atterns (B10)				
	diment Deposits (B2	<i>i</i> .)		Oxidized Rhizosph	-	-	s (U3)		-	Water Table	e (C2)			
	t Deposits (B3) (No		ne)			Presence of Redu					Crayfish Bu					
	face Soil Cracks (B	-		רכח		Recent Iron Reduc		Solis (C6)				/isible on Ae	rial Imag	ery (Cs	9)	
	ndation Visible on A		agery (I	В7)		Thin Muck Surface					Shallow Aq	. ,				
	ter-Stained Leaves	(B9)				Other (Explain in F	(emarks)				FAC-Neutra	al Test (D5)				
	ervations:		_		-											
	/ater Present?	Yes		No		Depth (inches										
	ble Present?	Yes		No	\boxtimes	Depth (inches):									
	capillary fringe)	Yes		No		Depth (inches				nd Hyd	rology Pres	ent?	Yes		No	\boxtimes

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folso</u>	m/Sacr	amento		Samplir	ng Date:	<u>12/18</u>	8/201	4
Applicant/Owner: El Dorado County Department of	f Econom	nic De	evelopr	nent				State:	<u>CA</u>	Samplin	g Point:	<u>9b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, l	Range:	<u>S 9, T</u>	<u>9 N, R 8 E</u>					
Landform (hillslope, terrace, etc.): hillslope				Lo	cal relief (cor	ncave, cor	nvex, n	one): <u>c</u>	oncave		Slo	pe (%):	<u>2</u>	
Subregion (LRR): <u>C</u>	Lat:	38.63	343372			Long:	-121.	1000283	<u>3</u>	D	atum: <u>N</u>	VAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percei	nt slo	pes						NWI classif	ication:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	is tim	e of ye	ar?	Yes 🛛	No		(If no, e	explain in Rer	marks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	antly dis	sturbed	? Are "	Normal C	ircumst	tances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗆 nat	turally	y proble	ematic?	? (If ne	eded, exp	olain an	iy answe	ers in Remark	(s.)				
SUMMARY OF FINDINGS – Attach site map sh	nowing	sam	nlina	noint	locations	transec	ts im	nortan	t features.	etc				
Hydrophytic Vegetation Present?	Yes		No				,							
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Are	a withi	in a Wet	land?		Yes		No	
Wetland Hydrology Present?	Yes		No	\boxtimes										
Remarks: Upland														
VEGETATION – Use scientific names of plants	5.													
<u>Tree Stratum</u> (Plot size:)	Absolut		Domin		Indicator	Domina	ance Te	est Wor	ksheet:					
1.	% Cove	<u>er</u>	Specie	es?	Status	Nissenhau								
2.					·			minant S FACW,	or FAC:		<u>1</u>			(A)
3.						Total Nu	umbor (of Domir	ant					
4.								s All Stra			<u>1</u>			(B)
50% =, 20% =			= Tota	l Cover		Percent	of Dor	ninant S	necies					
Sapling/Shrub Stratum (Plot size:)									or FAC:		<u>100</u>			(A/B)
1						Prevale	ence In	dex wo	ksheet:					
2							<u>Tc</u>	otal % Co	over of :		Multipl	<u>y by:</u>		
3						OBL sp	ecies				x1 =		_	
4						FACW	species	5			x2 =		_	
5						FAC sp	ecies				x3 =		_	
50% =, 20% =			= Tota	l Cover		FACU s	pecies				x4 =		_	
Herb Stratum (Plot size:)						UPL spe	ecies				x5 =		_	
1. <u>Festuca perennis</u>	100		ves		FAC	Column	Totals		(A)				(B	5)
2.			-			e e i u i i i	, etale		valence Index	x = B/A =				
3.						Hydrop	hvtic V		on Indicator					
4.						⊠	-	-	e Test is >50%					
5.							Dro	walonco	Index is <u><</u> 3.0	1 ¹				
6									_		ide euror	orting		
7.							dat	a in Rer	cal Adaptatio narks or on a	separate	sheet)	oning		
8.							Dro	blomati	c Hydrophytic	Voqotati	on ¹ (Evr	vlain)		
50% =, 20% =	100		= Tota	l Cover			FIC	Diemau	c nyuropnyuc	vegetati		nanny		
Woody Vine Stratum (Plot size:)									il and wetland		gy must			
1.						be pres	ent, un	iess dist	urbed or prob	piematic.				
2.							•							
50% = , 20% =			= Tota	l Cover		Hydrop Vegetat				Yes	\boxtimes	No	,	
% Bare Ground in Herb Stratum 0	% Co	ver o	f Biotic			Present								
Remarks:	-					1								

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Project Site:	SPTC-JPA
Floject Sile.	SFIC-JFA

SOIL															Sam	npling F	oint:	<u>9b</u>
Profile Desc	ription: (Descril	be to th	e depth	n neede	ed to d	locument	the indica	ator or conf	irm the ab	sence	of indica	ators.)						
Depth	Matri	х					Redox Fe	atures										
(inches)	Color (moist)	<u>.</u>	<u>%</u>	<u>Col</u>	or (Mo	<u>ist)</u>	<u>%</u>	Type ¹	Loc	2	Text	ure	Re	<u>marks</u>				
<u>0-12</u>	<u>7.5 YR 3/4</u>		<u>100</u>							_	Clay lo	<u>bam</u>						
		_								_								
		_								_								
		_								_								
		_								_								
		_								_								
¹ Type: C= Co	oncentration, D=[Depletio	n, RM=	Reduce	ed Mati	rix, CS=Co	overed or C	Coated Sand	d Grains.	² Locat		Pore Linin						
Hydric Soil I	ndicators: (App	licable	to all L	RRs, u	nless	otherwise	e noted.)				Inc	licators f	or Prob	lematic	Hydric \$	Soils ³ :		
Histoso	ol (A1)					Sandy F	Redox (S5))				1 cm	Muck (A9) (LRF	₹ C)			
Histic E	Epipedon (A2)					Stripped	Matrix (S	6)				2 cm	Muck (A10) (LR	RB)			
Black H	Histic (A3)					Loamy I	Mucky Min	eral (F1)				Redu	iced Ve	rtic (F18))			
☐ Hydrog	en Sulfide (A4)					Loamy (Gleyed Ma	trix (F2)				Red I	Parent I	Material ((TF2)			
☐ Stratifie	ed Layers (A5) (L	.RR C)				Deplete	d Matrix (F	-3)				Othe	r (Expla	in in Rer	narks)			
1 cm M	luck (A9) (LRR D))				Redox [Dark Surfa	ce (F6)										
Deplete	ed Below Dark S	urface ((A11)			Deplete	d Dark Sur	rface (F7)										
Thick D	Dark Surface (A1	2)				Redox [Depression	ns (F8)				³ Indic	ators of	f hydroph	vtic veg	etation	and	
□ Sandy	Mucky Mineral (S1)				Vernal F	Pools (F9)							/drology				
Sandy	Gleyed Matrix (S	4)										u	inless d	isturbed	or proble	ematic.		
Restrictive L	ayer (if present):																
Туре:																		
Depth (Inches	s):								Hydric S	oils P	resent?			Yes		No	\boxtimes	1
Remarks:																		
HYDROLO	GY																	
Wetland Hyd	Irology Indicato	rs:																
Primary Indic	ators (minimum	of one r	equired	; check	all tha	t apply)					Seco	ondary Inc	dicators	(2 or mo	ore requi	red)		
Surfac	e Water (A1)					Salt Cru	st (B11)					Water M	larks (B	1) (Rive	rine)			
🔲 High V	Vater Table (A2)					Biotic C	rust (B12)					Sedimer	nt Depo	sits (B2)	(Riverin	ie)		
□ Satura	tion (A3)					Aquatic	Invertebra	tes (B13)				Drift Dep	posits (I	33) (Rive	erine)			
□ Water	Marks (B1) (Nor	riverin	e)			Hydroge	en Sulfide (Odor (C1)				Drainage	e Patter	rns (B10)				
Sedim	ent Deposits (B2) (Non r	verine))		Oxidized	d Rhizosph	neres along	Living Root	ts (C3)		Dry-Sea	ison Wa	ater Table	e (C2)			
Drift D	eposits (B3) (No	nriverir	ne)			Presenc	e of Redu	ced Iron (C4	l)			Crayfish	Burrow	vs (C8)				
Surfac	e Soil Cracks (B	6)				Recent	Iron Reduc	ction in Tille	d Soils (C6))		Saturatio	on Visib	le on Ae	rial Imag	ery (C	9)	
🔲 Inunda	ation Visible on A	erial Im	agery (E	37)		Thin Mu	ck Surface	e (C7)				Shallow	Aquitar	d (D3)				
□ Water-	Stained Leaves	(B9)				Other (E	Explain in F	Remarks)				FAC-Ne	utral Te	est (D5)				
Field Observ	vations:																	
Surface Wate	er Present?	Yes		No	\boxtimes	Dep	oth (inches	s):										
Water Table	Present?	Yes		No	\boxtimes	Dep	oth (inches	s):										
Saturation Pr (includes cap		Yes		No		Dep	oth (inches	;):		Wet	land Hyd	Irology P	resent	?	Yes		No	\boxtimes
Describe Rec	corded Data (stre	am gau	ige, moi	nitoring	well, a	erial phot	os, previou	us inspection	ns), if availa	able:								

Project Site: SPTC-JPA					City/Count	ty: <u>Folson</u>	n/Sacramento		Samplir	ng Date:	<u>12/18</u>	3/201	4
Applicant/Owner: El Dorado County Department of	Economi	c De	velopm	nent			State:	<u>CA</u> 5	Samplir	g Point:	<u>10b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, R	ange: <u>S 15,</u>	<u>T 9 N, R 8 E</u>					
Landform (hillslope, terrace, etc.): hillslope				Loc	al relief (cor	ncave, con	vex, none): <u>r</u>	none		Slo	pe (%)	: <u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	8.62	<u>87923</u>			Long:	<u>-121.094513</u>	<u>8</u>	D	atum: <u>I</u>	NAD 83	<u> 8</u>	
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percen	t slop	<u>oes</u>					NWI classifica	ation:	Upland			
Are climatic / hydrologic conditions on the site typic	cal for this	s time	e of yea	ar?	Yes 🛛	No	☐ (If no,	explain in Rema	ırks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sign	nifica	ntly dis	turbed	? Are "l	Normal Cir	cumstances"	present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗌 natu	urally	proble	ematic?	(If ne	eded, expl	ain any answ	ers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map sh	owina s	sam	olina	point	locations.	transect	s. importar	nt features. et	c.				
Hydrophytic Vegetation Present?			No					,	-				
Hydric Soil Present?	Yes		No		Is the Sam	pled Area	within a We	tland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks: Upland													
VEGETATION – Use scientific names of plants	5.												
Tree Stratum (Plot size:)	Absolute % Cover		Domina Specie		Indicator Status	Domina	nce Test Wor	ksheet:					
1	<u>// 00/01</u>				Otatuo	Number	of Dominant S	Species					
2							OBL, FACW,			<u>0</u>			(A)
3						Total Nu	mber of Domi	nant					
4							Across All Str			<u>1</u>			(B)
50% =, 20% =			= Total	l Cover		Percent	of Dominant S	Species		<u>0</u>			(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are	OBL, FACW,	or FAC:		<u>U</u>			(АВ)
1						Prevaler	nce Index wo	rksheet:					
2							Total % C	over of :		<u>Multipl</u>	<u>y by:</u>		
3						OBL spe	cies			x1 =		_	
4						FACW s	pecies			x2 =		_	
5	<u> </u>					FAC spe	cies			x3 =		_	
50% =, 20% =			= Total	l Cover		FACU sp	pecies			x4 =		_	
Herb Stratum (Plot size:)						UPL spe	cies			x5 =		_	
1. <u>Hordeum murinum</u>	<u>85</u>		<u>ves</u>		FACU	Column	Totals:	(A)				_ (B	5)
2. <u>Avena fatua</u>	<u>3</u>	ļ	no		<u>NL (UPL)</u>		Pre	valence Index =	= B/A =				
3. <u>Erodium botrys</u>	<u>10</u>	ļ	no		FACU	Hydroph		ion Indicators:					
4. <u>Holocarpha virgata</u>	<u>2</u>	ļ	no		NL (UPL)		Dominance	e Test is >50%					
5		-					Prevalence	e Index is <u><</u> 3.0 ¹					
6		-						ical Adaptations			orting		
7		-					data in Re	marks or on a se	eparate	sheet)			
8							Problemati	ic Hydrophytic V	'egetati	on ¹ (Exp	olain)		
50% =, 20% =	<u>100</u>		= Total	Cover		1							
Woody Vine Stratum (Plot size:)								oil and wetland h turbed or proble		yy must			
1													
2	<u> </u>					Hydroph	nytic			_			_
50% =, 20% =			= Total	Cover		Vegetati Present	on	Ň	Yes		No)	\boxtimes
% Bare Ground in Herb Stratum 0	% Cov	er of	Biotic	Crust		Fresent	ſ						
Remarks:													

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Project Site: S	PTC-JPA
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SOIL												Samp	ling Po	oint: <u>1</u>	0b
			ne depth	n neede	ed to d	locument the indic		firm the abs	sence of	indicat	tors.)				
Depth	Mat	trix				Redox Fe			<u> </u>						
(inches)	<u>Color (mois</u>		<u>%</u>		lor (Mo		Type ¹	Loc	-	Textur	re <u>Remarks</u>				
<u>0-12</u>	<u>7.5 YR 3/4</u>	<u>1</u>	<u>98</u>	<u>7.5</u>	9 YR 2.	<u>5/1 2</u>	<u>C</u>	M		Loam	<u>1</u>				
		-							-						
		-							-						
		-							_						
		-							_						
17 0 0		-		<u> </u>				<u> </u>	<u> </u>						
			-			rix, CS=Covered or	Coated San	d Grains.	Location		ore Lining, M=Matrix.	line de la C	3-11-3-		
		рисаріе	to all L	.RRS, U		otherwise noted.)	`				cators for Problematic		5011S :		
Histoso						Sandy Redox (S5					1 cm Muck (A9) (LRR	-			
	pipedon (A2)					Stripped Matrix (S					2 cm Muck (A10) (LR	-			
	listic (A3)					Loamy Mucky Mir					Reduced Vertic (F18)				
	en Sulfide (A4)					Loamy Gleyed Ma					Red Parent Material (
	d Layers (A5) (Depleted Matrix (F	-				Other (Explain in Ren	iarks)			
	uck (A9) (LRR d Balaw Dark ((11)			Redox Dark Surfa									
	d Below Dark Surface (A		(ATT)			Depleted Dark Su									
	ark Surface (A	-				Redox Depression					³ Indicators of hydroph				
	Mucky Mineral					Vernal Pools (F9)					wetland hydrology			t,	
	Gleyed Matrix (unless disturbed		matic.		
Type:	ayer (if preser	n.).													
Depth (Inches	<i></i>							Hydric S	oils Pres	sent?	Yes		No		1
Remarks:								injune e			100				
. tomanor															
HYDROLOG															
-	rology Indicat				- 11 41	t analy)				0					
	ators (minimum	n of one r	requirea	; cneck							ndary Indicators (2 or mo	-	ea)		
	e Water (A1)	`				Salt Crust (B11)					Water Marks (B1) (River	-	-		
	ater Table (A2))				Biotic Crust (B12)					Sediment Deposits (B2)	-	e)		
	tion (A3)					Aquatic Invertebra					Drift Deposits (B3) (Rive	-			
	Marks (B1) (No		-	、		Hydrogen Sulfide		Living Deat	a (C2)		Drainage Patterns (B10)				
	ent Deposits (B		-)		Oxidized Rhizosp	-	-	s (C3)		Dry-Season Water Table	(C2)			
	eposits (B3) (N o		ne)			Presence of Redu	,	,		_	Crayfish Burrows (C8)				
	e Soil Cracks (E	,	//	רכ		Recent Iron Redu		d Solis (C6)			Saturation Visible on Aer	iai imag	ery (Cs	9)	
	tion Visible on <i>i</i>		agery (87)		Thin Muck Surfac					Shallow Aquitard (D3)				
	Stained Leaves	e (RA)				Other (Explain in	kemarks)				FAC-Neutral Test (D5)				
Field Observ		V		N1-	2	Decth (include	-).								
Surface Wate		Yes		No		Depth (inches									
Water Table F		Yes	\boxtimes	No		Depth (inches	s): <u>1</u>								
Saturation Pre (includes capi	llary fringe)	Yes		No		Depth (inches	_	ns) if availa		nd Hydr	ology Present?	Yes		No	
Remarks:	טימכת שמומ (סוו	Sun yat	ago, moi	intoring	, won, c			1.5, 11 availa	510.						

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Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folsor</u>	n/Sacra	amento	Samplir	ng Date:	12/18	3/201	14
Applicant/Owner: El Dorado County Department of	Econor	nic De	evelopr	nent				State: CA	Samplin	ng Point:	<u>11b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, F	Range:	<u>S 22, T 9 N, R 8</u>	<u>3 E</u>				
Landform (hillslope, terrace, etc.): hillslope				Lo	cal relief (cor	ncave, cor	ivex, no	one): <u>concave</u>		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat:	38.62	61197			Long:	-121.(0906865	D	atum: <u>N</u>	VAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 perce	nt slo	pes					NWI cla	ssification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for th	is tim	e of ye	ar?	Yes 🛛	No		(If no, explain in	Remarks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	Inifica	ntly dis	sturbed	? Are "	Normal Ci	rcumst	ances" present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗆 nat	turally	y proble	ematic?	? (If ne	eded, exp	lain an	y answers in Rem	narks.)				
SUMMARY OF FINDINGS – Attach site map sh	owina	sam	nlina	point	locations	transec	ts. im	portant feature	es etc.				
Hydrophytic Vegetation Present?	Yes		No				,						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Area	a withi	n a Wetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks: Upland													
VEGETATION – Use scientific names of plants	5.												
<u>Tree Stratum</u> (Plot size:)	Absolut		Domin		Indicator	Domina	nce Te	est Worksheet:					
1.	<u>% Cove</u>	<u>er</u>	<u>Specie</u>	es?	Status								
2.								ninant Species FACW, or FAC:		<u>1</u>			(A)
3.						Total Nu	mborg	of Dominant					
4.								s All Strata:		<u>1</u>			(B)
50% =, 20% =			= Tota	l Cover	- <u></u>	Percent	of Dom	ninant Species					
Sapling/Shrub Stratum (Plot size:)								FACW, or FAC:		<u>100</u>			(A/B)
1						Prevale	nce Ind	dex worksheet:					
2							To	tal % Cover of :		<u>Multipl</u>	<u>y by:</u>		
3						OBL spe	ecies			x1 =		_	
4						FACW s	pecies			x2 =		_	
5						FAC spe	ecies			x3 =		_	
50% =, 20% =			= Tota	l Cover		FACU s	pecies			x4 =			
Herb Stratum (Plot size:)						UPL spe	ecies			x5 =			
1. <u>Festuca perennis</u>	100		ves		FAC	Column	Totals		A)			_ (B	3)
2.						Column	rotalo.	Prevalence Ir				_ `	,
3.						Hydrop	hvtic V	egetation Indica		·			
4.							-	ninance Test is >					
5.							Pro	valence Index is	-2 0 ¹				
6										ido ouror	orting		
7.							data	rphological Adapt a in Remarks or c	n a separate	sheet)	orung		
8.							Pro	blematic Hydroph	vitic Voqotati	on ¹ (Evr	lain)		
50% =, 20% =	100		= Tota	l Cover			FIU	biematic nyuropi	iyiic vegetati		nann)		
Woody Vine Stratum (Plot size:)								ydric soil and wet		gy must			
1.						be prese	ent, uni	ess disturbed or p	problematic.				
2.													
50% = , 20% =			= Tota	l Cover		Hydrop Vegetat			Yes	\boxtimes	No	,	
% Bare Ground in Herb Stratum 0	% Co	ver o	f Biotic			Present							
Remarks:	-	-				I							

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL														Samp	ling Po	int: <u>1</u>	<u>1b</u>
Profile De	scription: (Descri	ibe to th	he depti	h need	ed to d	locument the inc	dicator or co	nfirm the	e abser	nce of i	ndicat	ors.)					
Depth	Mat	rix				Redox	Features										
(inches)	Color (moist	<u>t)</u>	<u>%</u>	<u>Co</u>	lor (Mo	<u>iist) %</u>	Type ¹	•	Loc ²		Textur	<u>e</u>	<u>Remarks</u>				
<u>0-12</u>	<u>10 YR 4/3</u>		<u>100</u>								<u>Loam</u>	<u> </u>	_				
		-															
		-									·		_				
		-															
		-											_				
		_											_				
¹ Type: C=	Concentration, D=	Depletio	on, RM=	Reduc	ed Mati	rix, CS=Covered	or Coated Sa	Ind Grains	s. ² Lo	cation:	PL=Po	ore Lining, N	=Matrix.				
Hydric So	il Indicators: (App	plicable	to all L	.RRs, ι	inless	otherwise noted	.)				Indio	cators for F	roblematic	Hydric \$	Soils ³ :		
Histo	osol (A1)					Sandy Redox (S5)					1 cm Mu	ck (A9) (LRF	(C)			
Histi	c Epipedon (A2)					Stripped Matrix	: (S6)					2 cm Mu	ck (A10) (LR	RB)			
Black	k Histic (A3)					Loamy Mucky N	Mineral (F1)					Reduced	Vertic (F18))			
Hydr	rogen Sulfide (A4)					Loamy Gleyed	Matrix (F2)					Red Pare	ent Material	(TF2)			
□ Strat	tified Layers (A5) (LRR C)				Depleted Matrix	x (F3)					Other (E	plain in Rer	narks)			
□ 1 cm	n Muck (A9) (LRR I	D)				Redox Dark Su	Irface (F6)										
Depl	leted Below Dark S	Surface	(A11)			Depleted Dark	Surface (F7)										
Thicl	k Dark Surface (A1	12)				Redox Depress	sions (F8)					³ Indicator	s of hydroph	nvtic vea	etation	and	
Sanc	dy Mucky Mineral ((S1)				Vernal Pools (F	-9)						d hydrology				
Sanc	dy Gleyed Matrix (S4)										unles	s disturbed	or proble	matic.		
Restrictive	e Layer (if presen	t):															
Туре:																	
Depth (Incl	hes):							Hydr	ric Soils	s Prese	nt?		Yes		No	\boxtimes]
Remarks:																	
HYDROL	.OGY																
	lydrology Indicate	ors:															
Primary Inc	dicators (minimum	of one	required	l; check	all tha	t apply)					Secon	dary Indica	ors (2 or mo	ore requir	ed)		
□ Surf	ace Water (A1)					Salt Crust (B11)					Water Mark	s (B1) (Rive	rine)			
	n Water Table (A2))				Biotic Crust (B1					_		eposits (B2)	-	e)		
	uration (A3)					Aquatic Inverte	brates (B13)					Drift Deposi	s (B3) (Rive	erine)			
□ Wat	er Marks (B1) (No	nriverir	ıe)			Hydrogen Sulfie	de Odor (C1)					Drainage Pa	atterns (B10))			
	iment Deposits (B2		-)		Oxidized Rhizo			Roots (C3)		-	Water Table				
	Deposits (B3) (No					Presence of Re				,		Crayfish Bu					
	ace Soil Cracks (E		,			Recent Iron Re	·	,	(C6)			-	isible on Ae	rial Imag	ery (CS)	
	ndation Visible on A	-	hagery (B7)		Thin Muck Surf			()			Shallow Aqu				,	
	er-Stained Leaves		0,0	,		Other (Explain						FAC-Neutra					
Field Obse		,				\ I						// -	x -7				
	ater Present?	Yes		No	\boxtimes	Depth (incl	hes):										
Water Tab	le Present?	Yes		No	\boxtimes	Depth (incl		_									
Saturation								_		Notion	4 [],,,,]		ant?	V		N-	
(includes c	capillary fringe) Recorded Data (stre	Yes		No		Depth (incl		ions) if a			a nyar	ology Pres	511L (Yes		No	
Describe P		sam ya	ugo, mo	- morning	, won, e		iouo iriopeti	iono), ii a'									

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folsc</u>	m/Sacran	nento	Samplir	ng Date:	<u>12/18</u>	8/201	4
Applicant/Owner: El Dorado County Department of	Econom	nic De	evelopr	nent			St	tate: <u>CA</u>	Samplin	g Point:	<u>12b</u>		
Investigator(s): <u>CV and KEB</u>					Section, To	ownship,	Range:	S 16, T 9 N, R 8 E	<u>.</u>				
Landform (hillslope, terrace, etc.): railroad side				Lo	cal relief (cor	ncave, co	nvex, non	e): <u>concave</u>		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat:	38.62	95342			Long	<u>-121.09</u>	501322	Da	atum: <u>N</u>	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 perce	nt slo	pes					NWI class	ification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	is tim	e of ye	ar?	Yes 🛛	N	o □ (I	f no, explain in Re	emarks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	ntly dis	sturbed	? Are "	'Normal C	ircumstar	nces" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗆 nat	turally	y proble	ematic	? (If ne	eded, ex	plain any a	answers in Rema	rks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nlina	point	locations	transe	sts. imp	ortant features	etc				
Hydrophytic Vegetation Present?	Yes		No		locations,	, transet	7.5, mp		, etc.				
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Are	a within	a Wetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No			-							
Remarks: Upland													
VEGETATION – Use scientific names of plants	.												
Tree Stratum (Plot size:)	Absolut		Domin		Indicator	Domin	ance Tes	t Worksheet:					
1	<u>% Cove</u>	<u>:</u>	<u>Specie</u>	<u> </u>	<u>Status</u>	Numbo	r of Domir	nant Species					
2.								ACW, or FAC:		<u>1</u>			(A)
3.						Total N	umber of	Dominant					
4							s Across A			<u>1</u>			(B)
50% =, 20% =	. <u> </u>		= Tota	l Cove		Percen	t of Domir	nant Species					
Sapling/Shrub Stratum (Plot size:)								ACW, or FAC:		<u>100</u>			(A/B)
1						Preval	ence Inde	x worksheet:					
2							<u>Tota</u>	I % Cover of :		Multiply	<u>y by:</u>		
3						OBL sp	ecies			x1 =		_	
4						FACW	species			x2 =		_	
5						FAC sp	ecies			x3 =		_	
50% =, 20% =			= Tota	l Cove		FACU	species			x4 =		_	
Herb Stratum (Plot size:)						UPL sp	ecies			x5 =		_	
1. <u>Festuca perennis</u>	100		ves		FAC	Columr	Totals:	(A)				_ (B	5)
2.			-					Prevalence Inde	ex = B/A =			-	
3.						Hvdrog	hvtic Ve	getation Indicato					
4.						∕.		nance Test is >50					
5.							Preva	alence Index is <u><</u> 3	0 ¹				
6.								hological Adaptati		ide supr	ortina		
7							data i	in Remarks or on	a separate	sheet)	orang		
8							Probl	ematic Hydrophyt	ic Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	100		= Tota	I Cove					0				
Woody Vine Stratum (Plot size:)								fric soil and wetlant ss disturbed or pro		gy must			
1													
2						Hydrop	hytic						
50% =, 20% =			= Tota	I Cove		Vegeta	tion		Yes	\boxtimes	No		
% Bare Ground in Herb Stratum 0	% Co	ver o	f Biotic	Crust		Presen	t?						
Remarks:													

US Army Corps of Engineers

SOIL													Samp	oling Poir	nt: <u>12b</u>
Profile	e Description: (Describe to	the dept	h neede	ed to d	ocument t	he indicat	or or conf	irm the abs	sence of	indicat	ors.)				
De	pth Matrix					Redox Feat	tures								
(inc	hes) Color (moist)	<u>%</u>	Co	lor (Mo	i <u>st)</u>	<u>%</u>	Type ¹	Loc	2	Textu	re <u>Re</u>	emarks			
<u>0-</u>	<u>14</u> <u>7.5 YR 3/2</u>	<u>100</u>			-				_	Loan	<u> </u>				
					-				_						
					-				_						
					-				_						
					-				_						
	<u> </u>				-				_						
¹ Type:	C= Concentration, D=Deple	tion, RM=	Reduce	ed Matr	ix, CS=Co	vered or Co	pated Sand	d Grains.	² Location	: PL=P	ore Lining, M=N	/atrix.			
Hydri	c Soil Indicators: (Applicab	le to all L	.RRs, u	Inless	otherwise	noted.)				Indi	cators for Pro	blematic	Hydric	Soils ³ :	
	Histosol (A1)				Sandy R	edox (S5)					1 cm Muck	(A9) (LRF	C)		
	Histic Epipedon (A2)				Stripped	Matrix (S6))				2 cm Muck	(A10) (LR	R B)		
	Black Histic (A3)				Loamy N	lucky Mine	ral (F1)				Reduced Ve	ertic (F18)			
	Hydrogen Sulfide (A4)				Loamy G	leyed Matr	ix (F2)				Red Parent	Material (TF2)		
	Stratified Layers (A5) (LRR C	C)			Depleted	Matrix (F3)				Other (Expl	ain in Ren	narks)		
	1 cm Muck (A9) (LRR D)				Redox D	ark Surface	e (F6)								
	Depleted Below Dark Surface	e (A11)			Depleted	Dark Surfa	ace (F7)								
	Thick Dark Surface (A12)				Redox D	epressions	(F8)				³ Indicators of	of hvdroph	vtic vea	etation ar	nd
	Sandy Mucky Mineral (S1)				Vernal P	ools (F9)						ydrology			
	Sandy Gleyed Matrix (S4)							-			unless	disturbed	or proble	ematic.	
Restri	ictive Layer (if present):														
Type:															
Depth	(Inches):							Hydric S	oils Pres	sent?		Yes		No	\boxtimes
Rema	rks:														
нуря	ROLOGY														
	nd Hydrology Indicators:														
	ry Indicators (minimum of one	e required	l; check	all that	t apply)					Seco	ndary Indicators	s (2 or mo	re requi	red)	
	Surface Water (A1)				Salt Crus	st (B11)					Water Marks (I	B1) (Rive	ine)		
\boxtimes	High Water Table (A2)				Biotic Cr	ust (B12)					Sediment Dep		-	ne)	
\boxtimes	Saturation (A3)				Aquatic I	nvertebrate	es (B13)				Drift Deposits ((B3) (Rive	rine)	-	
_	Water Marks (B1) (Nonriver	ine)			-	n Sulfide O					Drainage Patte		-		
	Sediment Deposits (B2) (No	-)					Living Root	s (C3)		Dry-Season W				
	Drift Deposits (B3) (Nonrive					e of Reduce	-	-			Crayfish Burro		. ,		
	Surface Soil Cracks (B6)							, d Soils (C6)	1		Saturation Visi	. ,	rial Imag	gery (C9)	
	Inundation Visible on Aerial	Imagery (B7)		Thin Muo	k Surface	(C7)				Shallow Aquita	ard (D3)		/	
	Water-Stained Leaves (B9)				Other (E	kplain in Re	emarks)				FAC-Neutral T	est (D5)			
Field	Observations:														
Surfac	ce Water Present? Yes		No		Dep	th (inches):	<u>3</u>								
Water	Table Present? Yes		No		Dep	th (inches):	<u>3</u>								

3

Depth (inches):

Saturation Present?

(includes capillary fringe)

Remarks: US Army Corps of Engineers

 \boxtimes

Yes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

No

Arid West - Version 2.0

Yes

 \boxtimes

No

Wetland Hydrology Present?

Project Site: SPTC-JPA					City/Count	nty: <u>Fols</u>	om/Sac	rament	<u>:0</u>	Sam	oling Date:	: <u>12/18</u>	3/201	4
Applicant/Owner: El Dorado County Department of	Economic	Dev	/elopn	nent				State:	CA	Samp	ling Point:	<u>13a</u>		
Investigator(s): KCV and KEB					Section, To	ownship	, Range	: <u>S 16</u>	6 <u>, T 9 N, R</u>	<u>8 E</u>				
Landform (hillslope, terrace, etc.): railroad slope				Lo	cal relief (cor	ncave, c	onvex, r	none):	<u>concave</u>		Slo	ope (%)	: <u>1</u>	
Subregion (LRR): <u>C</u>	Lat: <u>38</u>	.636	31			Long	g: <u>-121</u>	.102			Datum: I	NAD 83	<u> </u>	
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percent	slop	es						NWI c	lassification	Season	al Wetla	and	
Are climatic / hydrologic conditions on the site typic	cal for this	time	of yea	ar?	Yes 🛛	N	lo 🗌	(If no,	, explain i	n Remarks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 signif	fican	tly dis	sturbed	? Are "	"Normal	Circums	stances'	" present?	?	Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	natur	ally	proble	ematic	? (If ne	eeded, e	xplain ai	ny ansv	wers in Re	emarks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowina sa	amp	olina	point	locations.	. transe	ects.im	nporta	int featu	res. etc.				
Hydrophytic Vegetation Present?		⊠ .	No			,	,							
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sam	npled Ar	rea with	in a W	etland?		Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No											
Remarks: Seasonal Wetland														
VEGETATION – Use scientific names of plants	6.													
Tree Stratum (Plot size:)	Absolute % Cover		Domin: Specie		Indicator Status	Domir	nance T	est Wo	orksheet:					
1	70 00101	<u>_</u>		.0:		Numb	er of Do	minant	Species					
2		_							V, or FAC:		<u>1</u>			(A)
3						Total I	Number	of Dom	ninant					(5)
4						Specie	es Acros	s All St	trata:		<u>1</u>			(B)
50% =, 20% =		=	Total	I Cove	r	Percer	nt of Do	minant	Species		100			(A/B)
Sapling/Shrub Stratum (Plot size:)						That A	re OBL	, FACW	V, or FAC:		<u>100</u>			(AVD)
1		_				Preva	lence Ir	ndex w	orksheet	:				
2		_					<u>T</u> (otal % (Cover of :		<u>Multipl</u>	<u>ly by:</u>		
3		_				OBL s	pecies				x1 =		_	
4		_				FACW	/ species	S			x2 =		_	
5						FAC s	pecies				x3 =		_	
50% =, 20% =		=	- Total	I Cove	r	FACU	species	6			x4 =		_	
Herb Stratum (Plot size:)						UPL s	pecies				x5 =		_	
1. <u>Festuca perennis</u>	<u>100</u>	У	es		FAC	Colum	n Totals	6:		(A)			_ (B	3)
2		_						Pr	revalence	Index = B/A	=			
3						Hydro	phytic		tion India					
4						\boxtimes	Do	ominano	ce Test is	>50%				
5		_					Pr	evalenc	ce Index is	s <3.0 ¹				
6						_				ptations ¹ (Pr	ovide supr	oortina		
7		_					da	ta in Re	emarks or	on a separa	ate sheet)	J		
8							Pr	oblema	atic Hydro	ohytic Veget	ation ¹ (Exp	olain)		
50% =, 20% =	<u>100</u>	=	Total	I Cove	r					, ,		,		
Woody Vine Stratum (Plot size:)										etland hydro r problematio				
1						bo pro	oont, ar	1000 al		problomati				
2						Hydro	phytic							
50% =, 20% =		=	Total	I Cove	r	Veget	ation			Yes	\boxtimes	No)	
% Bare Ground in Herb Stratum 0	% Cove	er of	Biotic	Crust		Prese	nt?							
Remarks:														

US Army Corps of Engineers

SOIL													Samp	ling Po	int: <u>1</u>	<u>3a</u>
Profile Desc	ription: (Descri	be to th	e depth	neede	ed to d	ocument the indica	tor or con	firm the abs	sence o	of indica	tors.)					
Depth	Matr	ix				Redox Fea	atures									
(inches)	Color (moist	<u>;)</u>	<u>%</u>	<u>Col</u>	or (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textu	<u>re R</u>	<u>emarks</u>				
<u>0-12</u>	<u>5 YR 5/4</u>		<u>80</u>	<u>5</u>	YR 5/	<u>1 20</u>	<u>C</u>	<u>M</u>		<u>Clay</u>	<u> </u>					
		_							_							
		_							_							
		_							_							
		_							_							
		_							_							
¹ Type: C= Co	oncentration, D=	Depletio	n, RM=l	Reduce	ed Matr	rix, CS=Covered or C	Coated San	d Grains. 2	Locatio	n: PL=P	ore Lining, M=	Matrix.				
Hydric Soil	Indicators: (App	olicable	to all L	RRs, u	nless	otherwise noted.)				Indi	icators for Pro	oblematic I	Hydric S	soils ³ :		
Histose	ol (A1)					Sandy Redox (S5)					1 cm Muck	(A9) (LRR	C)			
Histic E	Epipedon (A2)					Stripped Matrix (Se	6)				2 cm Muck	(A10) (LR	R B)			
Black I	Histic (A3)					Loamy Mucky Min	eral (F1)				Reduced V	ertic (F18)				
Hydrog	gen Sulfide (A4)					Loamy Gleyed Ma	trix (F2)				Red Paren	t Material (TF2)			
Stratifie	ed Layers (A5) (I	LRR C)			\boxtimes	Depleted Matrix (F	3)				Other (Exp	lain in Rem	narks)			
□ 1 cm N	/luck (A9) (LRR I	D)				Redox Dark Surfac	ce (F6)									
Deplet	ed Below Dark S	Surface (A11)			Depleted Dark Sur	face (F7)									
Thick [Dark Surface (A1	2)				Redox Depression	s (F8)				³ Indicators	of hydroph	vtic vege	etation	and	
Sandy	Mucky Mineral (S1)				Vernal Pools (F9)						hydrology r				
Sandy	Gleyed Matrix (S	54)									unless	disturbed o	or proble	matic.		
Restrictive I	Layer (if presen	t):														
Туре:																
Depth (Inche	es):							Hydric So	oils Pre	sent?		Yes	\boxtimes	No		1
Remarks:																
HYDROLO	GY															
Wetland Hyd	drology Indicate	ors:														
Primary Indic	cators (minimum	of one r	equired;	check	all that	t apply)				Seco	ndary Indicator	rs (2 or moi	re requir	ed)		
Surfac	ce Water (A1)					Salt Crust (B11)					Water Marks ((B1) (River	ine)			
🛛 High V	Nater Table (A2)					Biotic Crust (B12)					Sediment Dep	osits (B2)	(Riverin	e)		
Satura Satura	ation (A3)					Aquatic Invertebra	tes (B13)				Drift Deposits	(B3) (Rive	rine)			
□ Water	Marks (B1) (Nor	nriverin	e)			Hydrogen Sulfide	Odor (C1)				Drainage Patt	erns (B10)				
Sedim	ent Deposits (B2	2) (Nonr	iverine)	1		Oxidized Rhizosph	eres along	Living Roots	s (C3)		Dry-Season W	ater Table	(C2)			
Drift D	eposits (B3) (No	onriverir	ne)			Presence of Reduc	ced Iron (C	4)			Crayfish Burro	ows (C8)				
□ Surfac	ce Soil Cracks (B	6)				Recent Iron Reduc	tion in Tille	d Soils (C6)			Saturation Vis	ible on Aer	ial Imag	ery (CS	9)	
🗌 Inunda	ation Visible on A	erial Im	agery (E	37)		Thin Muck Surface	e (C7)				Shallow Aquita	ard (D3)				
□ Water	-Stained Leaves	(B9)				Other (Explain in F	(emarks)				FAC-Neutral 1	Fest (D5)				
Field Observ	vations:															
Surface Wate	er Present?	Yes	\boxtimes	No		Depth (inches): <u>1</u>									
Water Table	Present?	Yes	\boxtimes	No		Depth (inches										
Saturation Pr (includes cap		Yes	\boxtimes	No		Depth (inches			Wetla	and Hyd	rology Presen	it?	Yes	\boxtimes	No	
		eam gau	ige, mor	nitoring	well, a	erial photos, previou	s inspectio	ns), if availal	ble:							

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folso</u>	m/Sacr	amento	Samplin	g Date:	12/18	3/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopn	nent				State: CA	Samplin	g Point:	<u>13b</u>		
Investigator(s): KCV and KEB					Section, To	ownship,	Range:	<u>S 16, T 9 N, R</u>	<u>8 E</u>				
Landform (hillslope, terrace, etc.): None				Lo	cal relief (cor	ncave, co	nvex, no	one): <u>none</u>		Slo	pe (%)	: <u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	8.63	63185			Long:	-121.	1018286	Da	atum: <u>N</u>	NAD 83	3	
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes					NWI c	lassification: <u>l</u>	Jpland			
Are climatic / hydrologic conditions on the site typic	cal for this	s tim	e of yea	ar?	Yes 🛛	No		(If no, explain i	n Remarks.)				
Are Vegetation □, Soil □, or Hydrology	🗆 sigi	nifica	ntly dis	sturbed	? Are "	"Normal C	ircumst	ances" present?	?	Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗆 nat	urally	y proble	ematic?	(If ne	eded, exp	olain an	y answers in Re	emarks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nling	noint	locations	transor	te im	nortant foatu	ros oto				
Hydrophytic Vegetation Present?	Yes		No		iocations,	, transet	,13, III	portant leatu	163, 610.				
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Are	a withi	n a Wetland?		Yes	п	No	
Wetland Hydrology Present?	Yes		No	\boxtimes									-
Remarks: Upland													
VEGETATION – Use scientific names of plants	i.												
Tree Stratum (Plot size:)	Absolute		Domin		Indicator	Domina	ance Te	est Worksheet:					
1.	<u>% Cove</u>	<u>.</u>	<u>Specie</u>	<u>:5 (</u>	<u>Status</u>	Number	r of Dor	ninant Species					
2.	_							FACW, or FAC:		<u>0</u>			(A)
3						Total N	umber o	of Dominant		1			(P)
4						Species	Across	s All Strata:		<u>1</u>			(B)
50% =, 20% =			= Tota	l Cover				ninant Species		<u>0</u>			(A/B)
Sapling/Shrub Stratum (Plot size:)								FACW, or FAC:		-			. ,
1						Prevale		dex worksheet					
2								tal % Cover of :		Multipl	<u>y by:</u>		
3						OBL sp				x1 =		_	
4						FACW	-	·		x2 =		_	
5					—	FAC sp				x3 =		_	
50% =, 20% =			= Tota	l Cover		FACU s				x4 =		_	
Herb Stratum (Plot size:)						UPL sp	ecies			x5 =		_	
1. <u>Hordeum murinum</u>	<u>80</u>		<u>ves</u>		FACU	Column	Totals	: <u> </u>	(A)			_ (B	5)
2. <u>Holocarpha virgata</u>	<u>10</u>		<u>no</u>		<u>NL (UPL)</u>			Prevalence	Index = B/A =				
3. <u>Lactuca serriola</u>	<u>10</u>		no		FACU	Hydrop	hytic V	egetation India	cators:				
4							Doi	minance Test is	>50%				
5							Pre	evalence Index is	s <u><</u> 3.0 ¹				
6							Mo	rphological Ada	ptations ¹ (Provi	de supp	oorting		
7								a in Remarks or	·	,			
8							Pro	blematic Hydro	phytic Vegetation	on ¹ (Exp	olain)		
50% =, 20% =	<u>100</u>		= Tota	l Cover		¹ Indicat	ors of h	ydric soil and w	etland hydrolog	iv must			
Woody Vine Stratum (Plot size:)								less disturbed of		ly maor			
1													
2					—	Hydrop			Vac		N/-		
50% =, 20% =			= Tota			Vegeta Presen			Yes		No	,	\boxtimes
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust									
Remarks:													

US Army Corps of Engineers

SOIL															Samp	ling Pc	oint: <u>1</u>	<u>3b</u>
Profile Descr	iption: (Descr	ibe to th	he depti	h need	led to d	ocument	the indic	ator or con	firm the al	bsence	of indica	ators.)						
Depth	Mat	rix					Redox Fe	eatures			_							
(inches)	Color (mois	<u>t)</u>	%	Co	olor (Mo	<u>ist)</u>	<u>%</u>	Type ¹	Lo	bc^2	Text	ure	Ren	narks				
<u>0-12</u>	<u>5 YR 5/4</u>		<u>100</u>								<u>Clay l</u>	oam						
		_																
		_																
		_																
		_																
		_																
¹ Type: C= Co	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Co	overed or	Coated San	d Grains.	² Locat	tion: PL=F	Pore Linin	g, M=Ma	atrix.				
Hydric Soil Ir	ndicators: (Ap	plicable	to all L	.RRs, ı	unless	otherwise	e noted.)				Inc	licators f	or Prob	lematic	Hydric \$	Soils ³ :		
Histoso	l (A1)					Sandy F	Redox (S5	5)				1 cm	Muck (A	49) (LRR	C)			
Histic E	pipedon (A2)					Stripped	d Matrix (S	56)				2 cm	Muck (A	A10) (LR	R B)			
Black H	istic (A3)					Loamy I	Mucky Mir	neral (F1)				Redu	uced Ver	tic (F18)				
Hydroge	en Sulfide (A4)					Loamy	Gleyed Ma	atrix (F2)				Red	Parent N	Aaterial (TF2)			
☐ Stratifie	d Layers (A5) (LRR C)				Deplete	d Matrix (F3)				Othe	r (Explai	n in Ren	narks)			
1 cm M	uck (A9) (LRR	D)				Redox [Dark Surfa	ace (F6)										
Deplete	d Below Dark S	Surface	(A11)			Deplete	d Dark Su	urface (F7)										
Thick D	ark Surface (A	12)				Redox [Depressio	ns (F8)				³ India	ators of	hydroph	vitic voo	otation	and	
Sandy N	Mucky Mineral	(S1)				Vernal F	Pools (F9))					tland hy					
Sandy 0	Gleyed Matrix (S4)											inless di				-,	
Restrictive L	ayer (if presen	it):																
Туре:																		
Depth (Inches	s):								Hydric	Soils P	resent?			Yes		No	\boxtimes]
Remarks:																		
HYDROLOO Wotland Hyd	rology Indicat	0761																
	ators (minimum		roquirod	l: chocl	k all tha	t apply)					Soc	ondary Ind	dicatore	(2 or mo	ro roquii	od)		
	e Water (A1)		requireu				ust (B11)							-		eu)		
		\ \						\					larks (B'		-	2)		
	ater Table (A2))					rust (B12)						nt Depos		-	e)		
	ion (A3)				_			ates (B13)					posits (B		-			
	Marks (B1) (No		-	•				Odor (C1)	Linder Dec	ata (C2)		0	e Patteri	. ,				
	ent Deposits (Bi			•)			-	heres along	-	ots (C3)			ison Wat		9 (C2)			
	eposits (B3) (N		ne)					uced Iron (C	,	•		-	Burrow			(0)		
	e Soil Cracks (E	-						uction in Tille	a Solis (Ce	6)			on Visibl		riai imag	ery (CS	9)	
	tion Visible on <i>i</i>		hagery (I	B7)			uck Surfac						Aquitar					
	Stained Leaves	s (B9)				Other (E	=xplain in	Remarks)				FAC-Ne	utral Te	st (D5)				
Field Observ		.,	_		57	_												
Surface Wate		Yes		No		-	pth (inche	-										
Water Table F		Yes		No	\boxtimes	Dep	pth (inche	s):										
Saturation Pre (includes capi	llary fringe)	Yes		No		-	pth (inche				tland Hyd	drology F	resent?		Yes		No	\boxtimes
Describe Rec	orded Data (str	eam gau	uge, mo	nitoring	g well, a	erial phot	os, previo	ous inspectio	ns), if avai	lable:								

Project Site: SPTC-JPA					City/Count	r: Folsom/Sacramento Sampling Date: 12/18/2014	<u>1</u>
Applicant/Owner: El Dorado County Department of	Econom	nic De	evelopi	ment		State: CA Sampling Point: 14a	
Investigator(s): KCV and KEB					Section, To	wnship, Range: <u>S 9, T 9 N, R 8 E</u>	
Landform (hillslope, terrace, etc.): railroad slope				Lo	cal relief (cor	cave, convex, none): <u>concave</u> Slope (%): <u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.64	1078			Long:121.10746 Datum: NAD 83	
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes			NWI classification: Seasonal Wetland	
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No 🔲 (If no, explain in Remarks.)	
Are Vegetation \Box , Soil \Box , or Hydrology	🔲 sig	nifica	antly di	sturbec	l? Are "	Normal Circumstances" present? Yes 🛛 No	
Are Vegetation D, Soil D, or Hydrology	🗌 nat	urall	y probl	ematic	? (If ne	eded, explain any answers in Remarks.)	
		~ ~ ~ ~	mlina		lesstions		
SUMMARY OF FINDINGS – Attach site map sh Hydrophytic Vegetation Present?	Yes	san	No		locations,	transects, important leatures, etc.	
Hydric Soil Present?	Yes		No		Is the Sam	pled Area within a Wetland? Yes 🛛 No	п
Wetland Hydrology Present?	Yes		No				_
Remarks: Seasonal Wetland							
VEGETATION – Use scientific names of plants	5.						
Tree Stratum (Plot size:)	Absolute % Cove		Domir Specie		Indicator Status	Dominance Test Worksheet:	
1		<u>.</u>				Number of Dominant Species	
2						That Are OBL, FACW, or FAC: 1	(A)
3						Total Number of Dominant	(B)
4						Species Across All Strata: <u>1</u>	(В)
50% =, 20% =			= Tota	al Cove	r	Percent of Dominant Species 100	(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are OBL, FACW, or FAC:	(700)
1						Prevalence Index worksheet:	
2						Total % Cover of : Multiply by:	
3						OBL species x1 =	
4						FACW species x2 =	
5						FAC species x3 =	
50% =, 20% =			= Tota	al Cove	r	FACU species x4 =	
Herb Stratum (Plot size:)						UPL species x5 =	
1. <u>Festuca perennis</u>	<u>100</u>		<u>ves</u>		FAC	Column Totals: (A) (B)	
2						Prevalence Index = B/A =	
3.						Hydrophytic Vegetation Indicators:	
4.						Dominance Test is >50%	
5.						Prevalence Index is $\leq 3.0^1$	
6						— Morphological Adaptations ¹ (Provide supporting	
7						data in Remarks or on a separate sheet)	
8						Problematic Hydrophytic Vegetation ¹ (Explain)	
50% =, 20% =	100		= Tota	al Cove	r		
Woody Vine Stratum (Plot size:)						¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1							
2						Hydrophytic	
50% =, 20% =			= Tota	al Cove	r	Vegetation Yes 🖂 No	
% Bare Ground in Herb Stratum 0	% Co	ver c	of Biotic	c Crust		Present?	
Remarks:							

US Army Corps of Engineers

Project Site: SPTC-JPA

SOIL													Samp	oling Po	oint: <u>1</u>	4 <u>a</u>
Profile Desc	ription: (Describe	to the d	lepth	neede	d to do	cument the indic	ator or co	nfirm the al	bsence	of indic	ators.)					
Depth	Matrix					Redox Fe	eatures									
(inches)	Color (moist)	<u>%</u>		<u>Col</u>	or <u>(Mois</u>	<u>st) %</u>	Type ¹	Lo	c^2	Tex	ture R	emarks				
<u>0-12</u>	<u>7.5 YR 4/1</u>	<u>80</u>	<u>)</u>	7.5	5 YR 4/6	<u>6 20</u>	<u>C</u>	N	<u>1</u>	<u>Clay</u>	loam					
			_	-												
				_												
				_												
				_												
				_												
¹ Type: C= Co	ncentration, D=De	epletion, I	RM=R	educe	d Matrix	x, CS=Covered or	Coated Sa	nd Grains.	² Locati	on: PL=	Pore Lining, M=	Matrix.				
Hydric Soil I	ndicators: (Applic	cable to	all LR	Rs, u	nless o	therwise noted.)					dicators for Pro		Hydric	Soils ³ :		
Histoso	ol (A1)					Sandy Redox (S5	5)				_					
Histic E	pipedon (A2)					Stripped Matrix (S	56)				2 cm Muck	(A10) (LR	RB)			
_	listic (A3)					Loamy Mucky Mir					_		-			
_	en Sulfide (A4)					Loamy Gleyed Ma										
	ed Layers (A5) (LR	(R C)				Depleted Matrix (. ,			
	luck (A9) (LRR D)					Redox Dark Surfa				_			,			
	ed Below Dark Sur	face (A1	1)			Depleted Dark Su										
_ ·	Dark Surface (A12)		''			Redox Depressio	. ,									
_						Vernal Pools (F9)					³ Indicators	• •				
_	Mucky Mineral (S1											hydrology			it,	
	Gleyed Matrix (S4)										uniess	disturbed		matic.		
	ayer (if present):															
Type: Depth (Inches	e).							Hydric \$	Soils Pr	esent?		Yes	\boxtimes	No		1
Remarks:	<u> </u>							injunio	0011011			100				-
rionano.																
HYDROLO	GY															
Wetland Hyd	Irology Indicators	6:														
Primary Indic	ators (minimum of	one requ	uired; o	check	all that	apply)				Sec	condary Indicato	rs (2 or mo	ore requi	red)		
Surfac	e Water (A1)					Salt Crust (B11)					Water Marks	(B1) (Rive	rine)			
🖾 🛛 High V	Vater Table (A2)					Biotic Crust (B12))				Sediment Dep	oosits (B2)	(Riverin	ne)		
Satura Satura	tion (A3)					Aquatic Invertebra	ates (B13)				Drift Deposits	(B3) (Rive	erine)			
U Water	Marks (B1) (Nonri	verine)				Hydrogen Sulfide	Odor (C1)				Drainage Patt	erns (B10))			
Sedimo	ent Deposits (B2)	(Nonrive	erine)			Oxidized Rhizosp	heres alon	g Living Roo	ots (C3)		Dry-Season V	Vater Table	e (C2)			
Drift D	eposits (B3) (Nonr	viverine)				Presence of Redu	uced Iron (C	C4)			Crayfish Burro	ows (C8)				
□ Surfac	e Soil Cracks (B6)					Recent Iron Redu	ction in Till	ed Soils (C6	6)		Saturation Vis	ible on Ae	rial Imag	ery (C	9)	
	tion Visible on Aer	rial Image	ery (B7	7)		Thin Muck Surfac	e (C7)	·			Shallow Aquit					
	Stained Leaves (B	-				Other (Explain in					FAC-Neutral	Fest (D5)				
Field Observ	vations:											-				
Surface Wate	er Present?	Yes	\boxtimes	No		Depth (inche	s): <u>3</u>									
Water Table				No		Depth (inche	/ _									
Saturation Pr	esent?				_	Depth (inche			Mot	and Uv	drology Preser	+2	Yes		No	
(includes cap	illary fringe)		⊠ .	No		1 (, =	\ ! *		ани пу	arology Freser		162		NU	
Describe Rec	corded Data (stream	m gauge	, moni	toring	well, ae	erial photos, previo	us inspecti	ons), it avail	lable:							
Remarks:	ps of Engineers											د ام	1 Woot	Voraia	n 2 0	
US Army CO	ps or ⊏ngineers											Afic	l West –	versio	II ∠.U	

Project Site: SPTC-JPA					City/Count	y: <u>Folsor</u>	n/Sacrame	nto	Samplir	ng Date:	<u>12/18</u>	3/201	4
Applicant/Owner: El Dorado County Department of	Economic	Deve	elopm	ent			Stat	e: <u>CA</u>	Samplin	g Point:	<u>14b</u>		
Investigator(s): KCV and KEB					Section, To	ownship, F	Range: <u>S s</u>	<u>9, T 9 N, R 8 E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Loc	al relief (cor	ncave, con	vex, none):	: <u>none</u>		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: <u>38</u>	3.6407	738			Long:	<u>-121.1074</u>	842	D	atum: <u>I</u>	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percent	slope	s					NWI classifi	cation:	Upland			
Are climatic / hydrologic conditions on the site typic	cal for this	time o	of yea	r?	Yes 🛛	No	🔲 (lfn	no, explain in Ren	narks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 signi	ificant	ly dist	urbed	? Are "	Normal Ci	rcumstance	es" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	natu	rally p	robler	matic?	(If ne	eded, exp	lain any an	swers in Remark	s.)				
SUMMARY OF FINDINGS – Attach site map sh	owing s	ampl	ina r	point	locations.	transec	ts. import	tant features.	etc.				
Hydrophytic Vegetation Present?	•	<u> </u>	• •					·····,					
Hydric Soil Present?	Yes		No		Is the Sam	pled Area	a within a \	Wetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No										
Remarks: Upland													
VEGETATION – Use scientific names of plants	š.												
Tree Stratum (Plot size:)	Absolute % Cover		omina pecies		Indicator Status	Domina	nce Test V	Vorksheet:					
1.	<u>/// Cover</u>	0	000103	<u>.</u>	<u>otatus</u>	Number	of Domina	nt Species					
2								W, or FAC:		<u>0</u>			(A)
3						Total Nu	mber of Do	ominant					
4							Across All			<u>1</u>			(B)
50% =, 20% =		=	Total	Cover		Percent	of Dominar	nt Species		0			(A / D)
Sapling/Shrub Stratum (Plot size:)						That Are	OBL, FAC	W, or FAC:		<u>0</u>			(A/B)
1						Prevale	nce Index	worksheet:					
2							Total %	6 Cover of :		<u>Multipl</u>	<u>y by:</u>		
3						OBL spe	ecies			x1 =		_	
4						FACW s	pecies			x2 =		_	
5						FAC spe	ecies			x3 =			
50% =, 20% =		=	Total	Cover		FACU sp	pecies			x4 =		_	
Herb Stratum (Plot size:)						UPL spe	cies			x5 =		_	
1. <u>Hordeum murinum</u>	<u>75</u>	ye	<u>es</u>		FACU	Column	Totals:	(A)				_ (B)
2. <u>Festuca perennis</u>	<u>5</u>	nc	<u>)</u>		FAC		I	Prevalence Index	: = B/A =				
3. <u>Lactuca serriola</u>	<u>10</u>	nc	<u>0</u>		FACU	Hydropl		tation Indicators					
4							Domina	ince Test is >50%	D				
5							Prevale	nce Index is <3.0	1				
6						_		logical Adaptatio		ide supp	orting		
7								Remarks or on a			0		
8							Problem	natic Hydrophytic	Vegetati	on ¹ (Exp	olain)		
50% =, 20% =	<u>90</u>	=	Total	Cover		1							
Woody Vine Stratum (Plot size:)								c soil and wetland disturbed or prob		gy must			
1													
2						Hydropl	hvtic						
50% =, 20% =		=	Total	Cover		Vegetat	ion		Yes		No)	\boxtimes
% Bare Ground in Herb Stratum 10	% Cove	er of B	Biotic (Crust		Present	ſ						
Remarks:													

US Army Corps of Engineers

Project Site: S	SPTC-JPA
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SOIL													Samp	ling Po	oint: <u>1</u>	4 <u>b</u>
Profile Descr	ription: (Describ	e to th	e depth	need	led to d	ocument the indica	ator or conf	irm the abs	ence o	f indicat	tors.)					
Depth	Matrix	x				Redox Fe	atures									
(inches)	Color (moist)		%	Co	olor (Mo	i <u>st) %</u>	Type ¹	Loc ²		Textu	re <u>R</u>	emarks				
<u>0-12</u>	<u>7.5 YR 4/3</u>	-	100						_	Loan	<u>n</u>					
		_							_							
									_							
									_							
									_							
									_							
¹ Type: C= Co	ncentration, D=D	epletio	n, RM=l	Reduc	ed Mat	ix, CS=Covered or (Coated Sand	d Grains. 2	Locatio	n: PL=P	ore Lining, M=	Matrix.				
Hydric Soil II	ndicators: (Appl	icable	to all Ll	RRs, I	unless	otherwise noted.)					cators for Pro		Hydric S	Soils ³ :		
Histoso	l (A1)					Sandy Redox (S5))				1 cm Muck	(A9) (LRF	R C)			
Histic E	pipedon (A2)					Stripped Matrix (S	6)				2 cm Muck	(A10) (LR	RB)			
Black H	listic (A3)					Loamy Mucky Min	neral (F1)				Reduced V	ertic (F18))			
Hydroge	en Sulfide (A4)					Loamy Gleyed Ma	atrix (F2)				Red Paren	Material	(TF2)			
	d Layers (A5) (L	RR C)				Depleted Matrix (F					Other (Exp	lain in Rer	narks)			
_	uck (A9) (LRR D)				Redox Dark Surfa	ice (F6)						,			
_	ed Below Dark Su		A11)			Depleted Dark Su										
	ark Surface (A12	-	,			Redox Depression					2					
	Mucky Mineral (S	,				Vernal Pools (F9)					³ Indicators	<i>,</i> ,	, ,			
	Gleyed Matrix (S	,										nydrology disturbed		-	t,	
,	ayer (if present)	,									uness	alstarbea		matio.		
Type:																
Depth (Inches	z).							Hydric So	oils Pre	sent?		Yes		No	\boxtimes	
Remarks:																
HYDROLOG	GY															
Wetland Hyd	rology Indicato	rs:														
Primary Indica	ators (minimum c	of one re	equired;	; checl	k all tha	t apply)				Seco	ndary Indicato	s (2 or mo	ore requir	red)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (Rive	rine)			
🔲 High W	/ater Table (A2)					Biotic Crust (B12)					Sediment Dep	osits (B2)	(Riverin	e)		
Saturat	tion (A3)					Aquatic Invertebra	ates (B13)				Drift Deposits	(B3) (Rive	erine)			
U Water I	Marks (B1) (Non	riverin	e)			Hydrogen Sulfide	Odor (C1)				Drainage Patt	erns (B10))			
Sedime	ent Deposits (B2)	(Nonri	iverine))		Oxidized Rhizospl	heres along	Living Roots	s (C3)		Dry-Season W	ater Table	e (C2)			
Drift De	eposits (B3) (Nor	nriverin	ne)			Presence of Redu	iced Iron (C4	4)			Crayfish Burro	ws (C8)				
Surface	e Soil Cracks (B6	6)				Recent Iron Redu	ction in Tille	d Soils (C6)			Saturation Vis	ible on Ae	rial Imag	ery (CS	9)	
	tion Visible on A		agery (E	37)		Thin Muck Surface	e (C7)				Shallow Aquit	ard (D3)	-			
	Stained Leaves ((B9)				Other (Explain in I	Remarks)				FAC-Neutral	est (D5)				
Field Observ	ations:															
Surface Wate	r Present?	Yes		No	\boxtimes	Depth (inches	s):									
Water Table F		Yes		No	\boxtimes	Depth (inches										
Saturation Pre		Yes		No					Wotla	nd Hvd	rology Presen	+2	Yes		No	\boxtimes
(includes capi						Depth (inches				nu nyu	ology Flesel		169		NU	
	orded Data (strea	am gau	ige, mor	nitoring	g well, a	erial photos, previou	us inspectior	ns), it availat	ole:							
Remarks:	ps of Engineers											منع ۸	West -	Voraia	. 2 0	
US AITHY COL	he or Endineets											Afic	i vvest –	v ei Si0i	ı∠.U	

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folson</u>	n/Sacramento	San	npling Date:	<u>12/19</u> /	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopn	nent			State:	<u>CA</u> Sam	pling Point:	<u>16a</u>		
Investigator(s): KCV					Section, To	ownship, R	Range: <u>S 22,</u>	<u>T9N, R8E</u>				
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, con	vex, none): <u>c</u>	concave	Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.62	387			Long:	<u>-121.08702</u>		Datum: <u>N</u>	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes					NWI classification	n: <u>Seasona</u>	al Wetla	nd	
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No	☐ (If no,	explain in Remarks	.)			
Are Vegetation D, Soil D, or Hydrology	🗌 sigi	nifica	ntly dis	sturbed	? Are "	Normal Cir	rcumstances"	present?	Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗌 nat	urally	y proble	ematic	? (If ne	eded, expl	lain any answe	ers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nlina	noint	locations	transect	ts, importar	t features, etc.				
Hydrophytic Vegetation Present?	Yes		No		looutions,	lansee	io, importar	n reatares, etc.				
Hydric Soil Present?	Yes		No		Is the Sam	npled Area	a within a We	tland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\bowtie	No			-						
Remarks:												
VEGETATION – Use scientific names of plants	5.											
Tree Stratum (Plot size:)	Absolute		Domin		Indicator	Domina	nce Test Wor	ksheet:				
1.	% Cove	<u>r</u>	Specie	<u>es :</u>	<u>Status</u>	Number	of Dominant (
2.							of Dominant S OBL, FACW,					(A)
3.						Total Nu	mber of Domi	nant				
4.							Across All Str					(B)
50% =, 20% =			= Tota	l Cove	r	Percent	of Dominant S	Species				
Sapling/Shrub Stratum (Plot size:)							OBL, FACW,					(A/B)
1						Prevaler	nce Index wo	rksheet:				
2							Total % C	over of :	<u>Multipl</u>	<u>y by:</u>		
3						OBL spe	cies		x1 =		_	
4						FACW s	pecies		x2 =		_	
5						FAC spe	cies		x3 =		_	
50% =, 20% =			= Tota	l Cove	r	FACU sp	pecies		x4 =		_	
Herb Stratum (Plot size:)						UPL spe	cies		x5 =		_	
1. <u>Festuca perennis</u>	<u>80</u>		<u>yes</u>		<u>FAC</u>	Column	Totals:	(A)			_ (B)
2. <u>Cynodon dactylon</u>	<u>20</u>		<u>yes</u>		FACU		Pre	valence Index = B/	A =			
3						Hydroph		ion Indicators:				
4							Dominance	e Test is >50%				
5							Prevalence	e Index is <3.0 ¹				
6							Morpholog	ical Adaptations ¹ (F	Provide supp	orting		
7							data in Rei	marks or on a sepa	rate sheet)	Ū		
8							Problemati	c Hydrophytic Vege	etation ¹ (Exp	olain)		
50% =, 20% =	100		= Tota	l Cove	r	1						
Woody Vine Stratum (Plot size:)								bil and wetland hydr turbed or problemation				
1							,			<u>.</u>		
2						Hydroph	nytic					_
50% =, 20% =			= Tota	I Cove	r	Vegetati	ion	Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Present	(<u>.</u>		
Remarks:												

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SOIL												Samp	ling Po	int: <u>1</u>	<u>6a</u>
Profile Descr	iption: (Descri	ibe to th	ne depth	n need	ed to d	ocument the indicato	or or conf	irm the abs	sence of	indica	tors.)				
Depth	Mat	rix				Redox Featu	ures								
<u>(inches)</u>	Color (moist	<u>t)</u>	<u>%</u>	Co	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	<u>Textu</u>	re <u>Remarks</u>				
<u>0-12</u>	<u>5YR 4/1</u>		<u>80</u>	Ę	5YR 4/4	<u>4 20</u>	<u>D</u>	<u>M</u>		Clay-gr	avel				
		-							_						
		-							_						
		-							_						
. <u> </u>		-					. <u> </u>		_						
		_					. <u> </u>		_						
¹ Type: C= Cor	ncentration, D=	Depletic	on, RM=	Reduce	ed Matr	ix, CS=Covered or Co	ated Sand	d Grains. 2	Location	n: PL=P	ore Lining, M=Matrix.				
Hydric Soil Ir	ndicators: (App	plicable	to all L	RRs, u	nless	otherwise noted.)				Ind	icators for Problematic H	lydric S	Soils ³ :		
Histoso	l (A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10) (LRF	₹В)			
Black H	istic (A3)					Loamy Mucky Minera	al (F1)				Reduced Vertic (F18)				
Hydroge	en Sulfide (A4)					Loamy Gleyed Matrix	k (F2)				Red Parent Material (T	F2)			
Stratifie	d Layers (A5) (LRR C)			\boxtimes	Depleted Matrix (F3)					Other (Explain in Rem	arks)			
1 cm M	uck (A9) (LRR I	D)				Redox Dark Surface	(F6)								
Deplete	d Below Dark S	Surface	(A11)			Depleted Dark Surfa	ce (F7)								
Thick D	ark Surface (A1	12)				Redox Depressions	(F8)				³ Indicators of hydrophy	tic voa	tation	and	
Sandy M	Mucky Mineral ((S1)				Vernal Pools (F9)					wetland hydrology m	•			
Sandy C	Gleyed Matrix (S4)									unless disturbed o			,	
Restrictive La	ayer (if presen	nt):													
Туре:															
Depth (Inches	s):							Hydric So	oils Pres	sent?	Yes	\boxtimes	No]
Remarks:															
	27														
HYDROLOO Wetland Hydr	rology Indicate	ore:													
=	ators (minimum		roquirod	· chock	all that	t apply)				Soco	ndary Indicators (2 or mor	o roquir	od)		
			equireu	, check							ndary Indicators (2 or more		eu)		
	e Water (A1)	`				Salt Crust (B11)					Water Marks (B1) (Riveri	-	-)		
	ater Table (A2))				Biotic Crust (B12)	(D (0)				Sediment Deposits (B2) (e)		
	ion (A3)					Aquatic Invertebrates					Drift Deposits (B3) (River	ine)			
	Marks (B1) (No		-			Hydrogen Sulfide Od			(00)		Drainage Patterns (B10)	(00)			
	ent Deposits (B2		-)		Oxidized Rhizospher	-	-	s (C3)		Dry-Season Water Table	(C2)			
	eposits (B3) (No		ne)			Presence of Reduce					Crayfish Burrows (C8)				
	e Soil Cracks (E	,				Recent Iron Reduction		d Soils (C6)			Saturation Visible on Aeri	al Imag	ery (CS	9)	
	tion Visible on A		nagery (E	37)		Thin Muck Surface (,				Shallow Aquitard (D3)				
□ Water-	Stained Leaves	s (B9)				Other (Explain in Re	marks)				FAC-Neutral Test (D5)				
Field Observ	ations:														
Surface Wate	r Present?	Yes		No	\boxtimes	Depth (inches):									
Water Table F	Present?	Yes	\boxtimes	No		Depth (inches):	<u>3</u>								
Saturation Pre (includes capi	llary fringe)	Yes	\boxtimes	No		Depth (inches):	Surface			nd Hyd	rology Present?	Yes		No	
Describe Reco	orded Data (str	eam gau	uge, moi	nitoring	well, a	erial photos, previous	inspectior	ns), if availal	ble:						
Remarks [.]															

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Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folsom</u>	Sacramento	Sa	ampling Da	te:	12/19/2	2014	<u>.</u>
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment			State:	<u>CA</u> Sa	ampling Po	int:	16b		
Investigator(s): KCV					Section, To	ownship, Ra	ange: <u>S 22, ⁻</u>	<u>T9N, R8E</u>		-			
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, conv	/ex, none): <u>n</u>	one	:	Slope	e (%):	2	
Subregion (LRR): <u>C</u>	Lat: 3	38.62	38821			Long:	-121.0869994	<u>1</u>	Datum	: <u>N</u> A	D 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes					NWI classificat	ion: <u>Uplar</u>	nd			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No	🔲 (lf no, e	explain in Remark	ks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	ntly dis	sturbed	? Are "	Normal Circ	cumstances" p	present?	Y	es 🛛	X 1	No	
Are Vegetation D, Soil D, or Hydrology	🗌 nat	urally	/ proble	ematic	? (If ne	eded, expla	ain any answe	ers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map sh Hydrophytic Vegetation Present?	Yes	sam	pling No	point	locations,	transect	s, importan	t features, etc					
Hydric Soil Present?	Yes		No		Is the Sam	nled Area	within a Wet	land?	Y	es [No	
Wetland Hydrology Present?	Yes		No			ipiou / iiou	internet a mot		•				
Remarks:	163		NO										
VEGETATION – Use scientific names of plants	S. Absolute	э	Domin	ant	Indicator								
Tree Stratum (Plot size:)	% Cove		Specie		Status	Dominan	ice Test Worl	ksneet:					
1	<u> </u>						of Dominant S					(A)
2						That Are	OBL, FACW,	or FAC:				```	,
3							nber of Domir Across All Stra					(B)
4						Species /	ACI 055 Ali 3112	ala.					
50% =, 20% =	<u> </u>		= Iota	I Cove	r		of Dominant S OBL, FACW,					(.	A/B)
Sapling/Shrub Stratum (Plot size:)													
1						Prevalen	ce Index wor		N 41	4. m. l. v. l.	L		
2	<u> </u>						Total % Co	<u>over or :</u>		tiply l	<u>oy:</u>		
3						OBL spec			x1 =				
4 5.						FACW sp			x2 = x3 =				
50% = , 20% =			Tata	I Cove		FAC spec			x3 = x4 =				
			= 101a			FACU sp							
Herb Stratum (Plot size:)	50					UPL spec			x5 =	=			
1. <u>Elymus caput-medusa</u>	<u>50</u>		<u>yes</u>		<u>UPL</u>	Column T		(A)	_ / .			(B)	
2. <u>Lactuca serriola</u>	<u>20</u>		<u>yes</u>		<u>FACU</u>			valence Index = I	B/A =	_			
3. <u>Avena sp.</u>	<u>30</u>		<u>ves</u>		<u>UPL</u>			on Indicators:					
4	<u> </u>						Dominance	Test is >50%					
5					—		Prevalence	Index is $\leq 3.0^1$					
6								cal Adaptations ¹ narks or on a ser			rting		
7										,			
8	400						Problematio	c Hydrophytic Ve	getation' (I	Expla	un)		
50% =, 20% =	<u>100</u>		= Iota	I Cove	r	¹ Indicator	s of hydric so	il and wetland hy	drology mu	ust			
Woody Vine Stratum (Plot size:)								urbed or problem					
1					—								
2			T-4	0.000		Hydroph		Y	es 🗆		No	1	\boxtimes
50% =, 20% =	0/ 0			I Cove	I	Vegetation Present?							لا
% Bare Ground in Herb Stratum	% U0	ver 0		Crust									
Remarks:													

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SOIL															Samp	oling Po	oint: <u>1</u>	<u>6b</u>
Profile Descrip	otion: (Descril	be to th	ne deptl	h need	ed to d	locument the	indicate	or or conf	irm the ab	sence o	of indica	ators.)						
Depth	Matr	ix				Re	dox Feat	ures										
(inches)	Color (moist))	<u>%</u>	Co	lor (Mo	<u>ist) 9</u>	6	Type ¹	Loc	2	Text	ure	Re	emarks				
<u>0-12</u>	<u>5YR 4/3</u>		<u>100</u>							_	<u>Clay-g</u>	ravel						
		-								_		_						
<u> </u>		-				·	_		<u> </u>	_		_						
		-					_			_		_						
		-					_			_		_						
1										2			<u> </u>					
¹ Type: C= Cond								ated San	d Grains.	Locatio		Pore Linir			Liveria (Celle ³		
Hydric Soil Inc		licable	to all L	.RRS, L			-							blematic	-	5011S :		
Histosol (Sandy Red								(A9) (LRI (A10) (LRI	-			
_	ipedon (A2)					Stripped Ma								(A10) (LF	-			
Black His						Loamy Muc	-							ertic (F18				
	n Sulfide (A4) Layers (A5) (L					Loamy Gley								Material ain in Rei				
		,				Depleted M						Oure			naiks)			
	ck (A9) (LRR E Bolow Dark S		(11)			Redox Dark												
	Below Dark S rk Surface (A1		(ATT)			Depleted D Redox Dep												
_	ucky Mineral (Vernal Pool		(10)						of hydropl				
	leyed Matrix (S					Vernai FUU	15 (1 9)							ydrology disturbed			t,	
Restrictive La		-											uniess (JISLUIDEU		ematic.		
Туре:	yer (il present	.y.																
Depth (Inches):									Hydric S	oils Pre	esent?			Yes		No	\boxtimes	
Remarks:																		
HYDROLOG																		
Wetland Hydro											-			1-				
Primary Indicat		of one i	required	l; check										s (2 or mo	-	red)		
	Water (A1)					Salt Crust (-							B1) (Rive	-			
	ter Table (A2)					Biotic Crust							-	osits (B2)	-	ne)		
Saturatio						Aquatic Inv								(B3) (Rive	-			
	arks (B1) (Nor		-			Hydrogen S				(00)				erns (B10				
	t Deposits (B2)		Oxidized RI	-	-	-	ts (C3)		-		ater Tabl	e (C2)			
-	osits (B3) (No		ne)			Presence o		-				-		ws (C8)				
	Soil Cracks (B	,	,			Recent Iron			d Soils (C6))				ble on Ae	erial Imag	gery (CS	9)	
	on Visible on A		nagery (B7)		Thin Muck							v Aquita					
	tained Leaves	(BA)				Other (Expl	ain in Re	emarks)		1		FAC-N	eutral T	est (D5)				
Field Observat		V	_		~	–	<i>(</i> 1)											
Surface Water		Yes		No			(inches):											
Water Table Pr		Yes		No	\boxtimes	Depth	(inches):											
Saturation Pres (includes capilla	ary fringe)	Yes		No			(inches):) :		and Hyo	drology l	Present	t?	Yes		No	\boxtimes
Describe Recor	raea Data (stre	eam gau	uge, mo	nitoring	g well, a	erial photos,	previous	inspection	ns), it availa	adie:								

Project Site: <u>SPTC-JPA</u>					City/Count	Folsom/Sacramente	<u>o</u> Samp	ling Date:	<u>12/19/</u>	201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment		State:	<u>CA</u> Sampl	ing Point:	<u>17a</u>		
Investigator(s): KCV					Section, To	vnship, Range: <u>S 22</u>	<u>, T9N, R8E</u>				
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ave, convex, none):	concave	Slo	oe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	8.62	321			Long: <u>-121.08601</u>	I	Datum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes				NWI classification:	<u>Seasona</u>	l Wetlar	nd	
Are climatic / hydrologic conditions on the site typic	cal for this	s tim	e of ye	ar?	Yes 🛛	No 🔲 (lf no,	explain in Remarks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sigi	nifica	ntly dis	sturbed	? Are "	ormal Circumstances'	' present?	Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗆 nat	urally	y proble	ematic	? (If ne	ded, explain any answ	vers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map sh	owina	sam	plina	point	locations.	ransects, importa	nt features, etc.				
Hydrophytic Vegetation Present?	Yes		No			,					
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sam	led Area within a We	etland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No								
Remarks:											
VEGETATION – Use scientific names of plants											
Tree Stratum (Plot size:)	Absolute		Domin		Indicator	Dominance Test Wo	rksheet:				
1.	% Cove	<u>r</u>	<u>Specie</u>	es?	<u>Status</u>						
2.						Number of Dominant That Are OBL, FACW					(A)
3.											
4.						Total Number of Dom Species Across All St					(B)
50% =, 20% =			= Tota	l Cove	, <u> </u>						
Sapling/Shrub Stratum (Plot size:)						Percent of Dominant That Are OBL, FACW					(A/B)
<u></u> , (* *** *** * <u></u> , *						Prevalence Index wo	orksheet:				
2.							Cover of :	Multiply	v bv:		
3						OBL species		x1 =			
4.						FACW species		x2 =		-	
5.						FAC species		x3 =		-	
50% =, 20% =			= Tota	l Cover	, <u> </u>	FACU species		x4 =		_	
Herb Stratum (Plot size:)						UPL species		x5 =		-	
1. <u>Festuca perennis</u>	100		ves		FAC	Column Totals:	(A)			- (B)
2.	100		100		1710		evalence Index = B/A	_			-
3.						Hydrophytic Vegeta					
4.							ce Test is >50%				
5.											
							the Index is $\leq 3.0^1$				
6 7.						D Morpholog	gical Adaptations ¹ (Pro emarks or on a separat	ovide supp te sheet)	orting		
8.						_					
	100		_ Toto	l Cove		D Problema	tic Hydrophytic Vegeta	ition" (Exp	lain)		
50% =, 20% = Woody Vine Stratum (Plot size:)	<u>100</u>		= 101a	li Covei		¹ Indicators of hydric s	oil and wetland hydrol	ogy must			
1.						be present, unless dis	sturbed or problematic				
2.											
				l Cove		Hydrophytic Vegetation	Yes	\boxtimes	No		
50% =, 20% = % Bare Ground in Herb Stratum	% C ~		= 1 ota f Biotic		1	Present?					-
<u> </u>	70 00	vero		, crust	<u> </u>						
Remarks:											

US Army Corps of Engineers

SOIL												Samp	ling Po	oint: <u>1</u>	7 <u>a</u>			
Profile Descr	iption: (Descr	ibe to th	ne depth	n need	ed to d	locument the indicat	or or con	firm the abs	sence of	f indica	tors.)							
Depth Matrix						Redox Feat	ures											
(inches) Color (moist) %			Co	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	2	Textu	ire <u>Remarks</u>								
<u>0-12</u> <u>5YR 4/1</u> <u>80</u>				<u> </u>	5YR 4/4	<u>4</u> <u>20</u>	<u>D</u>	<u>M</u>		<u>Clay-gr</u>	avel							
									_									
								_										
		_							_									
		_							_									
<u> </u>																		
¹ Type: C= Co	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or Co	bated Sar	d Grains. 2	² Locatio	n: PL=P	ore Lining, M=Matrix.							
Hydric Soil Ir	ndicators: (Ap	plicable	to all L	.RRs, ι	Inless	otherwise noted.)					icators for Problematic H	ydric S	Soils ³ :					
Histoso	l (A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR	C)						
Histic E	pipedon (A2)					Stripped Matrix (S6)	1				2 cm Muck (A10) (LRR	B)						
Black H	listic (A3)					Loamy Mucky Mine	ral (F1)				-							
	en Sulfide (A4)					Loamy Gleyed Matr					Reduced Vertic (F18) Red Parent Material (T	F2)						
	d Layers (A5) (LRR C)				Depleted Matrix (F3					Other (Explain in Rema	-						
_	uck (A9) (LRR	. ,				Redox Dark Surface						- /						
	d Below Dark S		(A11)			Depleted Dark Surfa	. ,											
		(,,,,,)			Redox Depressions	. ,				<u>,</u>								
 Thick Dark Surface (A12) Sandy Mucky Mineral (S1) 						Vernal Pools (F9)	(10)				³ Indicators of hydrophy	•						
		. ,									wetland hydrology m			it,				
Sandy Gleyed Matrix (S4) unless disturbed or problematic Restrictive Layer (if present): Image: Comparison of the sector of the											malic.							
	ayer (ii presen	ity.																
Type:								Hudria S	oile Dro	oon+2	Yes	\boxtimes	No		1			
Depth (Inches	5). <u> </u>							Hydric So		sentr	Tes		NO		1			
Remarks:																		
HYDROLOG	GY																	
	rology Indicat	ors:																
Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)																		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (Riveri	ne)						
	ater Table (A2))				Biotic Crust (B12)					Sediment Deposits (B2) (I	-	e)					
_	tion (A3)	,				Aquatic Invertebrate	es (B13)				Drift Deposits (B3) (River		,					
	Marks (B1) (No	nriverin	ne)			Hydrogen Sulfide O												
	ent Deposits (B)		Oxidized Rhizosphe		I iving Root	Drainage Patterns (B10) Drs (C3) Dry-Season Water Table (C2)									
	eposits (B3) (N o	, .		,		Presence of Reduce		-	0 (00)		(02)							
	e Soil Cracks (E					Recent Iron Reduct		,			al Imag	ony (C	2)					
	tion Visible on /	-	agery (F	B7)		Thin Muck Surface		u 0013 (00)			5)							
	Stained Leaves		iagery (i	07)		Other (Explain in Re			 Shallow Aquitard (D3) FAC-Neutral Test (D5) 									
		5 (D9)					illaiks)				FAC-Neuliar rest (D3)							
Field Observ		V		NI-		Denth (in-hard)	4											
Surface Wate		Yes		No		Depth (inches):												
Water Table F		Yes	\boxtimes	No		Depth (inches):	<u>0</u>											
Saturation Pre (includes capi	llary fringe)	Yes		No		Depth (inches):	-			nd Hyd	rology Present?	Yes	\boxtimes	No				
Describe Rec	orded Data (str	eam gau	uge, moi	nitoring	g well, a	erial photos, previous	inspectio	ons), it availa	ble:									
Remarks:																		

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Project Site: <u>SPTC-JPA</u>					City/Count	inty: F	olsom	/Sacrar	mento	Sar	npling Date	: 12/19	/201	4
Applicant/Owner: El Dorado County Department o	f Economi	c De	velopm	nent		, _			tate: CA		npling Point			-
Investigator(s): KCV					Section, To	Towns	hip, Ra	ange:	S 22, T9N, R8	<u>8E</u>				
Landform (hillslope, terrace, etc.): Hillslope				Loc	cal relief (cor	oncave	e, conv	ex, non	ne): <u>none</u>		Slo	pe (%):	2	
Subregion (LRR): <u>C</u>	Lat: 3	8.62	<u>32239</u>			L	ong:	-121.08	359843		Datum:	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percen	t slog	<u>pes</u>						NWI c	lassificatio	n: <u>Upland</u>			
Are climatic / hydrologic conditions on the site typi	cal for this	time	e of yea	ar?	Yes 🛛	\triangleleft	No		lf no, explain i	n Remarks	.)			
Are Vegetation D, Soil D, or Hydrology	🗌 sign	ifica	ntly dis	turbed	? Are "	e "Norm	al Circ	cumstar	nces" present?	?	Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗌 natu	urally	, proble	matic?	lf ne	needec	, expla	ain any	answers in Re	emarks.)				
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.														
Hydrophytic Vegetation Present?			No		iocations,	s, ii ai	136013	s, imp	Untaint leatu	165, 610.				
Hydric Soil Present?	Yes		No		Is the Sam	mplec	Area	within	a Wetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes No 🛛													
Remarks:														
VEGETATION – Use scientific names of plants	-													
Tree Stratum (Plot size:)	Absolute		Domina		Indicator	Do	minan	ce Tes	t Worksheet:					
	% Cover		<u>Specie</u>	<u>s?</u>	Status									
1 2		•							nant Species ACW, or FAC:	:				(A)
3		-				Tot	al Nun	nber of	Dominant					(P)
4		-				Sp	ecies A	cross /	All Strata:					(B)
50% =, 20% =		:	= Total	Cover					nant Species					(A/B)
Sapling/Shrub Stratum (Plot size:)						Tha	at Are	OBL, F	ACW, or FAC:					(//////////////////////////////////////
1	. <u> </u>	-				Pre	valen	ce Inde	ex worksheet	:				
2		-						Tota	al % Cover of :		<u>Multip</u>	l <u>y by:</u>		
3		-					L spec				x1 =		_	
4	<u> </u>					FA	CW sp	ecies			x2 =		_	
5					—	FA	C spec	ies	<u>80</u>		x3 =	<u>240</u>		
50% =, 20% =		:	= Total	Cover		FA	CU spe	ecies	<u>20</u>		x4 =	<u>80</u>		
Herb Stratum (Plot size:)						UP	L spec	ies			x5 =		_	
1. <u>Festuca perennis</u>	<u>80</u>		<u>ves</u>		<u>FAC</u>	Co	umn T	otals:	<u>100</u> (A)		<u>320</u>	(B)	
2. <u>Erodium botrys</u>	<u>20</u>		<u>yes</u>		FACU				Prevalenc	e Index = E	B/A = <u>3.2</u>			
3		-				Hy	droph	ytic Ve	getation India	cators:				
4								Domi	inance Test is	>50%				
5		-						Preva	alence Index is	s <u><</u> 3.0 ¹				
6		-							hological Ada			porting		
7		-			—		_			•	. '			
8	100	-	.	0				Probl	lematic Hydro	phytic Vege	etation' (Exp	olain)		
50% =, 20% =	<u>100</u>	:	= Total	Cover		¹ In	dicator	s of hyd	dric soil and w	etland hydi	rology must			
Woody Vine Stratum (Plot size:)									ss disturbed o					
1					—									
2		-	T-4- 1	0	—		droph			Yes		No		\boxtimes
50% =, 20% =	0/ 0		= Total				getations sent?			103	· ப	110		لاعا
% Bare Ground in Herb Stratum	% COV	er of	f Biotic	Crust										
Remarks:														

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SOIL												Samp	ling Po	int: <u>1</u>	7 <u>b</u>			
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)																		
Depth Matrix						Redox Features												
(inches) Color (moist) % Co			lor (Mo	ist) <u>%</u> Type ¹	Loc	-	Textur	re <u>Re</u>	emarks									
<u>0-12</u> <u>5YR 4/3</u> <u>100</u>					<u> </u>		_	Clay-gra	avel									
					<u> </u>		_											
		-						_										
		-						_										
		-						_										
¹ Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :																		
		olicable	to all L	.RRs, u		-	Indicators for Problematic Hydric Soils ³ :											
Histosol						Sandy Redox (S5)						-						
-	pipedon (A2)					Stripped Matrix (S6)				2 cm Muck		к в)						
	istic (A3)					Loamy Mucky Mineral (F1)				Reduced Ve								
	en Sulfide (A4)					Loamy Gleyed Matrix (F2)				Red Parent		,						
_	d Layers (A5) (I					Depleted Matrix (F3)				Other (Expla	ain in Rem	iarks)						
	uck (A9) (LRR I	-	()			Redox Dark Surface (F6)												
-	d Below Dark S		(A11)			Depleted Dark Surface (F7)												
Thick Dark Surface (A12)						Redox Depressions (F8)				³ Indicators c		, 0						
	/lucky Mineral (Vernal Pools (F9)					ydrology r		•	t,				
	Gleyed Matrix (S									uniess d	disturbed o	or proble	ematic.					
	ayer (if presen	t):																
Type:	·						Hydric S	oile Dro	cont?		Yes		No	\boxtimes	1			
Depth (Inches) Remarks:)						Hyune 3		Senti		163		NU					
Remarks.																		
HYDROLOG	βY																	
Wetland Hydr	rology Indicate	ors:																
Primary Indica	ators (minimum	of one i	required	l; check	all tha	t apply)			Secor	ndary Indicators	s (2 or moi	re requir	ed)					
Surface	e Water (A1)					Salt Crust (B11)				Water Marks (B	31) (River	ine)						
High Wa	ater Table (A2)					Biotic Crust (B12)				Sediment Depo	osits (B2)	Riverin	e)					
Saturati	ion (A3)					Aquatic Invertebrates (B13)				Drift Deposits ((B3) (Rive	erine)						
U Water N	Marks (B1) (No i	nriverin	ie)			Hydrogen Sulfide Odor (C1)				Drainage Patte	erns (B10)							
Sedime	ent Deposits (B2	2) (Non i	riverine)		Oxidized Rhizospheres alon	g Living Roots (C3) Dry-Season Water Table (C2)											
Drift De	posits (B3) (No	onriveri	ne)			Presence of Reduced Iron (Crayfish Burrows (C8)											
Surface	e Soil Cracks (B	6)				Recent Iron Reduction in Till	ed Soils (C6)	Soils (C6)						(C9)				
Inundat	ion Visible on A	Aerial Im	nagery (l	B7)		Thin Muck Surface (C7)		Shallow Aquitard (D3)										
□ Water-S	Stained Leaves	(B9)				Other (Explain in Remarks)				FAC-Neutral T	est (D5)							
Field Observa	ations:																	
Surface Water	r Present?	Yes		No	\boxtimes	Depth (inches):	_											
Water Table P	Present?	Yes		No	\boxtimes	Depth (inches):	-											
Saturation Pre (includes capil		Yes		No	\boxtimes	Depth (inches):		Wetla	and Hydr	ology Present	t?	Yes		No	\boxtimes			
Describe Reco	orded Data (stre	eam gau	uge, mo	nitoring	well, a	erial photos, previous inspecti	ons), if availa	ble:										

Project Site: <u>SPTC-JPA</u>					City/Count	nty: <u>Fo</u>	olsom/S	Sacrame	ento	Samplir	ng Date:	12/19	/201	4
Applicant/Owner: <u>El Dorado County Department o</u>	Econom	ic De	evelopi	ment	-			Sta	te: <u>CA</u>	Samplin	ng Point:	18b		
Investigator(s): KCV					Section, To	Townsh	ip, Rar	nge: <u>S</u>	22, T9N, R8E					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	oncave,	conve	x, none)): <u>none</u>		Slo	oe (%):	2	
Subregion (LRR): <u>C</u>	Lat: 3	38.62	30881			Lo	ng: <u>-1</u>	21.085	8436	D	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes						NWI class	ification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	3	No [] (If i	no, explain in Re	emarks.)				
Are Vegetation , Soil , or Hydrology	🔲 sigi	nifica	antly di	sturbed	? Are "	"Norma	al Circu	umstanc	es" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗆 nat	urall	y probl	ematic	? (If ne	eeded,	explai	n any ar	nswers in Remar	ks.)				
		~ ~ ~ ~	nlina	naint	lesstions	4.00		imner	tant factures	e te				
SUMMARY OF FINDINGS – Attach site map sh Hydrophytic Vegetation Present?	Yes	sam ⊠	No		locations,	s, trans	sects,	, impor	tant reatures,	, etc.				
Hydric Soil Present?	Yes		No		Is the Sam	mnled	Area w	/ithin a	Wetland?		Yes		No	
Wetland Hydrology Present?	Yes		No			mpiou	n ou n		100					
	100		110											
Remarks:														
VEGETATION – Use scientific names of plants	S. Absolute	ρ	Domir	nant	Indicator									
Tree Stratum (Plot size:)	% Cove		Specie		<u>Status</u>	Don	ninanc	e Test \	Norksheet:					
1									ant Species					(A)
2						That	Are O	BL, FAG	CW, or FAC:					()
3									ominant					(B)
4					<u> </u>	Spe	cies Ac	cross All	Strata:					()
50% =, 20% =			= Tota	al Cover	r				nt Species					(A/B)
Sapling/Shrub Stratum (Plot size:)						That	Are O	BL, FAG	CW, or FAC:					. ,
1					<u> </u>	Prev	alenc	e Index	worksheet:					
2					<u> </u>			Total 9	% Cover of :		Multiply	<u>/ by:</u>		
3							specie				x1 =		_	
4			<u> </u>				W spe				x2 =		-	
5							specie				x3 =		-	
50% =, 20% =			= Tota	al Cover	r	FAC	U spec	cies			x4 =		-	
Herb Stratum (Plot size:)						UPL	specie	es			x5 =		_	
1. <u>Festuca perennis</u>	<u>80</u>		<u>yes</u>		<u>FAC</u>	Colu	ımn To		(A)				_ (B	-
2									Prevalence Inde	ex = B/A =				
3						Hyd	rophy	tic Vege	etation Indicato	rs:				
4						Þ	3	Domina	ance Test is >50	%				
5]	Prevale	ence Index is <u><</u> 3.	.0 ¹				
6							7		ological Adaptati			orting		
7						_ L	4	data in	Remarks or on a	a separate	sheet)			
8]	Probler	matic Hydrophyti	ic Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>80</u>		= Tota	al Cover	r	1.								
Woody Vine Stratum (Plot size:)									c soil and wetlar disturbed or pro		gy must			
1						F						<u>.</u>		
2						Hvd	rophy	tic						
50% =, 20% =			= Tota	al Cover	r	Veg	etation			Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	c Crust		Pres	sent?							
Remarks:		_	_	_		_	_	_		_	_	_	_	

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Project Site: SPTC-JP

SOIL													Samp	ling Po	int: <u>1</u>	<u>8b</u>
Profile Desc	cription: (Descri	be to th	ne depth	n neede	ed to d	ocument the indicato		firm the abs	sence o	of indica	ators.)					
Depth	Mat	rix				Redox Feat	ires									
(inches)	Color (moist	<u>t)</u>	<u>%</u>	Co	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textu	<u>ure F</u>	<u>Remarks</u>				
<u>0-12</u>	<u>5YR 4/3</u>		<u>100</u>		<u> </u>				_	<u>Clay-g</u>	ravel	-				
		_					<u> </u>		_			-				
		-							_			-				
		-							_			-				
		-							_			-				
17 0 0				<u> </u>					<u> </u>							
						ix, CS=Covered or Co	ated San	d Grains.	Locatio		Pore Lining, M=		Judaia C	2eile ³ .		
_		Diicabie	to all L	.KKS, U		otherwise noted.)					licators for Pr		-	sons :		
Histose	Epipedon (A2)					Sandy Redox (S5)						k (A9) (LRR k (A10) (LRR	-			
	Histic (A3)					Stripped Matrix (S6) Loamy Mucky Minera	ol (E1)					k (A10) (LRF √ertic (F18)	()			
	gen Sulfide (A4)					Loamy Gleyed Matrix						nt Material (1				
_ ``	ed Layers (A5) (Depleted Matrix (F3)						plain in Rem	,			
	/luck (A9) (LRR	,				Redox Dark Surface							iai K3)			
	ed Below Dark S		(Δ11)			Depleted Dark Surfa										
	Dark Surface (A1		(/(11)			Redox Depressions										
_	Mucky Mineral (-				Vernal Pools (F9)						of hydrophy				
-	Gleyed Matrix (hydrology n disturbed o			ι,	
	Layer (if presen															
Type:		,														
Depth (Inche	es):							Hydric So	oils Pre	sent?		Yes		No	\boxtimes	I
Remarks:	,							-								
	21															
HYDROLO																
-	drology Indicate cators (minimum		roquirod	· chock	all that	t apply)				Soc	ndary Indicato	vrs (2 or mor		rod)		
			lequileu	, CHECK							Mater Marka			eu)		
	ce Water (A1) Mater Table (A2)					Salt Crust (B11)					Water Marks		-	2)		
-	Nater Table (A2) ation (A3)					Biotic Crust (B12)	(B12)				Sediment De		-	-		
_	Marks (B1) (No	nrivorin	20)			Aquatic Invertebrates Hydrogen Sulfide Oc					Drift Deposits Drainage Pat		iiie)			
	nent Deposits (B2		-	`		Oxidized Rhizospher		Living Roots	e (C3)		Dry-Season \		(C2)			
	Deposits (B3) (No		-	,		Presence of Reduce	-	-	3 (00)		Crayfish Burr		(02)			
	ce Soil Cracks (E		iie)			Recent Iron Reduction					Saturation Vi		ial Iman	erv (C.	N	
	ation Visible on A	,	nagery (I	B7)		Thin Muck Surface (u oons (00)			Shallow Aqui		iai iiilay		')	
	-Stained Leaves		lagery (L	57)		Other (Explain in Re	,				FAC-Neutral					
Field Obser																
Surface Wate		Yes	\boxtimes	No		Depth (inches):	<u>2</u>									
Water Table		Yes		No		Depth (inches):	<u>~</u> 0									
Saturation P													v	~		_
(includes cap	oillary fringe)	Yes		No nitoring		Depth (inches): erial photos, previous	<u>0</u> inspectio	ns) if availa		ina Hyd	Irology Prese	nt?	Yes		No	
Describe Re		cam yat	age, moi	moning	wen, a	ional priotos, previous	napecii0	noj, ii availdi								

Project Site: <u>SPTC-JPA</u>					City/Count	: Folsom/Sacran	nento	Samplir	ng Date:	<u>12/19</u>	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment		St	tate: <u>CA</u>	Samplin	g Point:	<u>19a</u>		
Investigator(s): KCV					Section, To	wnship, Range: 3	<u>S 22, T9N, R8E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	cave, convex, non	e): <u>concave</u>		Slop	be (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	8.62	274			Long: <u>-121.08</u>	548	Da	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes				NWI class	ification:	Seasona	l Wetla	nd	
Are climatic / hydrologic conditions on the site typic	cal for this	s tim	e of ye	ar?	Yes 🛛	No 🔲 (I	f no, explain in Re	emarks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sigi	nifica	ntly dis	sturbed	? Are "	Iormal Circumstar	nces" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗆 nat	urally	y proble	ematic	? (If ne	eded, explain any a	answers in Remar	ks.)				
SUMMARY OF FINDINGS – Attach site map sh	owina	sam	plina	point	locations.	transects, impo	ortant features	etc.				
Hydrophytic Vegetation Present?	Yes		No			<u></u>		,				
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sam	pled Area within	a Wetland?		Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No									
Remarks:												
VEGETATION – Use scientific names of plants												
Tree Stratum (Plot size:)	Absolute		Domin		Indicator	Dominance Test	t Worksheet:					
1.	% Cove	<u>r</u>	<u>Specie</u>	es?	<u>Status</u>							
2.						Number of Domir That Are OBL, FA						(A)
3.												
4.						Total Number of Species Across A						(B)
50% =, 20% =			= Tota	l Cove	, <u> </u>	-						
Sapling/Shrub Stratum (Plot size:)						Percent of Domin That Are OBL, FA						(A/B)
<u></u> , (* *** *** * <u></u> , *						Prevalence Inde	x worksheet:					
2.							I % Cover of :		Multiply	/ bv:		
3						OBL species	· · · · · · · · · · · · · · · · · · ·		x1 =			
4.						FACW species			x2 =		-	
5.						FAC species			x3 =		-	
50% =, 20% =			= Tota	l Cove	, <u> </u>	FACU species			x4 =		-	
Herb Stratum (Plot size:)						UPL species			x5 =		-	
1. <u>Festuca perennis</u>	100		ves		FAC		(A)		X0 -		- (B)
2.	100		<u>ycs</u>		<u>1710</u>	Column Totals:		P = B/A =				-
3.						Hydrophytic Vo	Prevalence Inde					
4.							getation Indicato nance Test is >50					
4 5.												
						_ 11070	alence Index is <u><</u> 3					
6 7.						D Morpl data i	hological Adaptati	ons' (Prov a separate	ide supp sheet)	orting		
8.						_		•				
	100		_ Toto	l Cove			ematic Hydrophyt	ic Vegetati	on (Exp	lain)		
50% =, 20% = Woody Vine Stratum (Plot size:)	<u>100</u>		= 101a	li Covei		¹ Indicators of hyd	fric soil and wetlar	nd hydrolog	gy must			
1.						be present, unles	ss disturbed or pro	blematic.				
2.												
				l Cove		Hydrophytic Vegetation		Yes	\boxtimes	No		
50% =, 20% = % Bare Ground in Herb Stratum	% C ~		= 1 ota f Biotic		1	Present?			_			
<u> </u>	70 00	vero		, crust	<u> </u>							
Remarks:												

US Army Corps of Engineers

SOIL												Samp	ling Po	oint: <u>1</u>	<u>9a</u>
Profile Descr	iption: (Descri	ibe to th	e depth	n need	ed to d	ocument the indicato	r or con	firm the abs	sence of	indica	tors.)				
Depth	Mati	rix				Redox Feat	ures								
<u>(inches)</u>	Color (moist	<u>t)</u>	<u>%</u>	<u>Co</u>	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	<u>Textu</u>	re <u>Remarks</u>				
<u>0-12</u>	<u>5YR 4/1</u>		<u>90</u>	1	5YR 4/3	<u>3 10</u>	<u>D</u>	M		Clay-gr	avel				
		-							_						
		_							_						
		-							_						
		_							_						
		_	<u> </u>					-	_						
¹ Type: C= Cor	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or Co	ated San	d Grains. 2	Location	n: PL=P	ore Lining, M=Matrix.				
Hydric Soil In	dicators: (App	plicable	to all L	.RRs, ı	Inless	otherwise noted.)				Ind	icators for Problematic H	lydric \$	Soils ³ :		
Histosol	(A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10) (LRR	! В)			
Black Hi	istic (A3)					Loamy Mucky Miner	al (F1)				Reduced Vertic (F18)				
Hydroge	en Sulfide (A4)					Loamy Gleyed Matrix	k (F2)				Red Parent Material (T	F2)			
□ Stratified	d Layers (A5) (I	LRR C)			\boxtimes	Depleted Matrix (F3)					Other (Explain in Rema	arks)			
🔲 1 cm Mu	uck (A9) (LRR I	D)				Redox Dark Surface	(F6)								
Deplete	d Below Dark S	Surface ((A11)			Depleted Dark Surfa	ce (F7)								
Thick Da	ark Surface (A1	12)				Redox Depressions	(F8)				³ Indicators of hydrophy	tic vea	etation	and	
Sandy N	/lucky Mineral ((S1)				Vernal Pools (F9)					wetland hydrology m	•			
Sandy G	Gleyed Matrix (S	S4)									unless disturbed o				
Restrictive La	ayer (if presen	it):													
Туре:															
Depth (Inches):							Hydric So	oils Pres	sent?	Yes	\boxtimes	No		I
Remarks:															
HYDROLOG	2V														
	rology Indicate	ors:													
-	ators (minimum		required	: checł	c all tha	t apply)				Seco	ndary Indicators (2 or more	e reauir	ed)		
	Water (A1)		- 1	,		Salt Crust (B11)					Water Marks (B1) (Riveri)		
	ater Table (A2))				Biotic Crust (B12)					Sediment Deposits (B2) (I	-	e)		
	ion (A3)	, ,				Aquatic Invertebrates	s (B13)				Drift Deposits (B3) (River		,		
_	Marks (B1) (No i	nriverin) ()			Hydrogen Sulfide Oc					Drainage Patterns (B10)				
	ent Deposits (B2		-	`		Oxidized Rhizospher		Living Root	s (C3)		Dry-Season Water Table	(C2)			
	posits (B3) (No		-	,		Presence of Reduce	-	-	3 (00)		Crayfish Burrows (C8)	(02)			
	Soil Cracks (B					Recent Iron Reduction					Saturation Visible on Aeria	al Iman	ony (CC	2)	
	ion Visible on A	,	ogory (I	P 7)	_	Thin Muck Surface (u 30115 (CO)		_	Shallow Aquitard (D3)	arimay	ery (Ca)	
	Stained Leaves		agery (L	57)		Other (Explain in Re	,				FAC-Neutral Test (D5)				
Field Observa		5 (D9)					naiks)				TAC-Neutral Test (D3)				
Surface Water		Voc		No		Dopth (inchas):	3								
		Yes		No		Depth (inches):	<u>3</u>								
Water Table P Saturation Pre		Yes	\boxtimes	No		Depth (inches):	<u>0</u>						_		_
(includes capil	llary fringe)	Yes	\boxtimes	No		Depth (inches):	<u>0</u>			nd Hyd	rology Present?	Yes	\boxtimes	No	
Describe Reco	orded Data (stre	eam gau	ıge, mor	nitoring	g well, a	erial photos, previous	inspectio	ons), if availa	ble:						
Romarks ·															

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folson</u>	n/Sacramento	S	amplin	g Date:	12/19/	/201	4
Applicant/Owner: El Dorado County Department of	Econom	nic De	evelopr	ment			State:	<u>CA</u> S	ampling	g Point:	19b		_
Investigator(s): KCV					Section, To	ownship, R	ange: <u>S 22,</u>	<u>T9N, R8E</u>		-			
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, conv	vex, none): <u>r</u>	<u>ione</u>		Slop	be (%):	2	
Subregion (LRR): <u>C</u>	Lat: 3	38.62	27583			Long:	-121.085448	7	Da	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes					NWI classificat	tion: <u>L</u>	Jpland			
Are climatic / hydrologic conditions on the site type	-		-	ar?	Yes 🛛	No	□ (If no, e	explain in Remar	ks.)	-			
Are Vegetation □, Soil □, or Hydrology	🗌 sig	nifica	ntly dis	sturbed	? Are "	Normal Cir	cumstances"	present?		Yes	\boxtimes	No	
Are Vegetation □, Soil □, or Hydrology	nat	urally	y proble	ematic	? (If ne	eded, expl	ain any answe	ers in Remarks.)					
		-					-						
SUMMARY OF FINDINGS – Attach site map sh	nowing		pling	-	locations,	transect	s, importan	nt features, etc).				
Hydrophytic Vegetation Present?	Yes		No	\boxtimes									
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	pled Area	within a We	tland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes									
Remarks:													
VEGETATION – Use scientific names of plants	5.												
Tree Stratum (Plot size:)	Absolute <u>% Cove</u>		Domin Specie		Indicator Status	Dominar	nce Test Wor	ksheet:					
1		-				Number	of Dominant S	Species					
2							OBL, FACW,						(A)
3						Total Nu	mber of Domi	nant					
4						Species	Across All Str	ata:					(B)
50% =, 20% =			= Tota	al Cove	r	Percent	of Dominant S	species					(
Sapling/Shrub Stratum (Plot size:)						That Are	OBL, FACW,	or FAC:					(A/B)
1						Prevaler	nce Index wo	rksheet:					
2							Total % C	<u>over of :</u>		Multiply	<u>/ by:</u>		
3						OBL spe	cies			x1 =		_	
4						FACW sp	pecies			x2 =		_	
5	<u> </u>					FAC spe	cies			x3 =		-	
50% =, 20% =			= Tota	I Cove	r	FACU sp	oecies			x4 =		_	
Herb Stratum (Plot size:)						UPL spe	cies			x5 =		_	
1. <u>Avena sp.</u>	<u>40</u>		<u>yes</u>		UPL	Column ⁻	Totals:	(A)				(B)
2. <u>Bromus hordeaceus</u>	<u>30</u>		<u>ves</u>		FACU		Pre	valence Index =	B/A = _				
3						Hydroph		on Indicators:					
4							Dominance	e Test is >50%					
5							Prevalence	e Index is <3.0 ¹					
6						_		ical Adaptations ¹	(Provi	de sunn	ortina		
7								marks or on a se			orang		
8							Problemati	c Hydrophytic Ve	eaetatic	on ¹ (Exp	lain)		
50% =, 20% =	<u>70</u>		= Tota	l Cove	r			, , , , , , , , ,		· · · ·			
Woody Vine Stratum (Plot size:)								oil and wetland hy turbed or problem		y must			
1						be prese			nauc.				
2						ا محمد امريا	tio						
50% =, 20% =			= Tota	l Cove	r	Hydroph Vegetati		Y	'es		No		\boxtimes
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Present	?						
Remarks:													

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL													Samp	ling Po	int: <u>1</u>	<u>9b</u>
Profile Descri	ption: (Descri	be to th	he dept	h need	ed to d	ocument the indicator or		rm the abs	ence of	indica	tors.)					
Depth	Matr	ix				Redox Features	5									
(inches)	Color (moist	<u>;)</u>	<u>%</u>	<u>Co</u>	lor (Mo	<u>ist) % Ty</u>	/pe ¹	Loc ²		Textu	ire	<u>Remarks</u>				
<u>0-12</u>	<u>5YR 4/3</u>		<u>100</u>						-	<u>Clay-gr</u>	avel	_				
		-				<u> </u>			-			_				
		-				<u> </u>			-			_				
		-				<u> </u>			-			_				
		-				<u> </u>			-			_				
17 0 0		-		<u> </u>				2								
						rix, CS=Covered or Coated	d Sand	Grains.	Location		ore Lining, N		ا مادام (Collo ³		
		Diicabie	e to all L	.RRS, U		otherwise noted.)				_		Problematic		5011S :		
Histosol	. ,					Sandy Redox (S5)						ck (A9) (LRR ck (A10) (LR	-			
Histic Ep	pipedon (A2)					Stripped Matrix (S6)	-1)					ck (A10) (LR	-			
						Loamy Mucky Mineral (F						Vertic (F18)				
	n Sulfide (A4) I Layers (A5) (I					Loamy Gleyed Matrix (F2	2)					ent Material (xplain in Rem	,			
		,				Depleted Matrix (F3) Redox Dark Surface (F6)	•				Other (E		1d1K5)			
	ck (A9) (LRR I I Bolow Dark S	-	(11)				,									
	l Below Dark S Irk Surface (A1		(ATT)			Depleted Dark Surface (I Redox Depressions (F8)										
_						Vernal Pools (F9))					rs of hydroph				
-	lucky Mineral (leyed Matrix (S											d hydrology r		•	t,	
Restrictive La											unie	ss disturbed o		manc.		
Туре:	yei (ii preseii	<i>.</i>														
Depth (Inches)								Hydric Sc	ils Pres	sent?		Yes		No	\boxtimes	1
Remarks:																
HYDROLOG																
Wetland Hydro																
Primary Indicat		of one I	required	l; check							ondary Indica	tors (2 or mo	re requir	ed)		
_	Water (A1)					Salt Crust (B11)						s (B1) (River	-			
	ater Table (A2)					Biotic Crust (B12)					Sediment D	eposits (B2)	(Riverin	e)		
Saturatio	on (A3)					Aquatic Invertebrates (B	-				-	ts (B3) (Rive	-			
	larks (B1) (No r		-			Hydrogen Sulfide Odor (-	atterns (B10)				
	nt Deposits (B2			2)		Oxidized Rhizospheres a	-	-	; (C3)		-	Water Table	e (C2)			
	posits (B3) (No		ne)			Presence of Reduced Irc					Crayfish Bu					
	Soil Cracks (B	'				Recent Iron Reduction in	n Tilled	Soils (C6)				/isible on Aer	rial Imag	ery (CS	9)	
	on Visible on A		nagery (B7)		Thin Muck Surface (C7)					Shallow Aq					
	tained Leaves	(B9)				Other (Explain in Remarl	'ks)				FAC-Neutra	I Test (D5)				
Field Observa			_		_											
Surface Water		Yes		No	\boxtimes	Depth (inches):										
Water Table Pi		Yes		No	\boxtimes	Depth (inches):										
Saturation Pres (includes capill	ary fringe)	Yes		No		Depth (inches):		<u>, , , , , , , , , , , , , , , , , , , </u>		nd Hyd	rology Pres	ent?	Yes		No	\boxtimes
Describe Reco	rded Data (stre	eam gau	uge, mo	nitoring	ı well, a	erial photos, previous insp	pections	s), if availat	ole:							

Project Site: <u>SPTC-JPA</u>					City/Count	y: Folsom	n/Sacrame	nto Sam	oling Date:	12/19	/201	4
Applicant/Owner: El Dorado County Department o	Economi	ic De	evelopi	ment			Stat		ling Point:			_
Investigator(s): KCV					Section, To	ownship, R	ange: <u>S 2</u>	<u>22, T8, R1</u>				
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, conv	vex, none)	: <u>none</u>	Slo	pe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: <u>3</u>	8.62	04295			Long:	-121.0827	<u>7927</u>	Datum: 1	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percen	it slo	pes					NWI classification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typi	cal for this	s tim	e of ye	ar?	Yes 🛛	No	🔲 (lf r	no, explain in Remarks.)				
Are Vegetation , Soil , or Hydrology	🗌 sigr	nifica	ntly di	sturbed	? Are "l	Normal Cir	cumstance	es" present?	Yes	\boxtimes	No	
Are Vegetation □, Soil □, or Hydrology	🔲 nati	urally	/ probl	ematic	? (If ne	eded, expl	ain any an	swers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing s	sam	nlina	point	locations	transect	s impor	tant features, etc.				
Hydrophytic Vegetation Present?	Yes		No		<u></u> ,		<u>e,pe</u> .					
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	pled Area	within a	Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No			-						
Remarks:												
VEGETATION – Use scientific names of plants	Absolute)	Domir	nant	Indicator	Dominar		Vorksheet:				
Tree Stratum (Plot size:)	% Cover	<u>r</u>	Specie	es?	Status	Dominal	ice rest v	vorksneet.				
1								nt Species CW, or FAC:				(A)
2 3.												
4.							mber of Do Across All					(B)
50% = , 20% =			= Tota	al Cover	, <u> </u>	-		nt Species				
Sapling/Shrub Stratum (Plot size:)								CW, or FAC:				(A/B)
1.						Prevaler	ce Index	worksheet:				
2.								6 Cover of :	Multipl	v bv:		
3.						OBL spe			x1 =			
4.						FACW s			x2 =		_	
5						FAC spe			x3 =		_	
50% =, 20% =			= Tota	al Cover	r	FACU sp	ecies		x4 =		_	
Herb Stratum (Plot size:)						UPL spe	cies		x5 =		_	
1. <u>Festuca perennis</u>	<u>80</u>		ves		FAC	Column ⁻	Totals:	(A)			(B)
2						Column		Prevalence Index = B/A	=			
3.						Hydroph		tation Indicators:				
4.								ince Test is >50%				
5.							Prevale	nce Index is <3.0 ¹				
6								logical Adaptations ¹ (Pr	ovido cupr	orting		
7.							data in	Remarks or on a separa	ite sheet)	Johning		
8							Problem	natic Hydrophytic Veget	ation ¹ (Exr	lain)		
50% =, 20% =	80		= Tota	al Cover	, <u> </u>		TIODIEI			Janij		
Woody Vine Stratum (Plot size:)								soil and wetland hydro				
1						be prese	nt, uniess	disturbed or problemation	<i>.</i>			
2						Head and the						
50% =, 20% =			= Tota	al Cover	r	Hydroph Vegetati		Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Cov	/er o	f Biotic	c Crust		Present						
Remarks:												

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL													Samp	ling Po	int: <u>2</u>	20b
Profile Desc	ription: (Descri	be to th	ne deptł	n neede	ed to d	ocument the indicato	or or con	firm the abs	sence o	of indica	tors.)					
Depth	Matr	ix				Redox Feat										
(inches)	Color (moist)	<u>%</u>	Co	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textu	ire <u>R</u>	<u>emarks</u>				
<u>0-12</u>	<u>5YR 4/3</u>		<u>100</u>						_	Clay-gr	avel					
		_							_							
		-							_							
		-							_							
		_							_							
¹ T				Deduc					21 +' -			A -tuit.				
		-				ix, CS=Covered or Co otherwise noted.)	ated San	d Grains.	Locatio		ore Lining, M=I		Judric 9	Soile ³ :		
Histosc		licable		.nns, u		Sandy Redox (S5)					1 cm Muck		-	50115 .		
	Epipedon (A2)					Stripped Matrix (S6)					2 cm Muck		-			
_	Histic (A3)					Loamy Mucky Miner	al (F1)				Reduced V		. 2)			
	en Sulfide (A4)					Loamy Gleyed Matri					Red Parent		TF2)			
_	ed Layers (A5) (I	RR C)				Depleted Matrix (F3)					Other (Exp	-	-			
_	luck (A9) (LRR [Redox Dark Surface				_						
_	ed Below Dark S		(A11)			Depleted Dark Surfa										
	Dark Surface (A1		. ,			Redox Depressions	. ,				31	- 6			I	
_	Mucky Mineral (S1)				Vernal Pools (F9)					³ Indicators wetland b	of nyaropny nydrology n				
□ Sandy	Gleyed Matrix (S	64)										disturbed o		•	.,	
Restrictive L	ayer (if present	t):														
Type:																
Depth (Inches	s):							Hydric So	oils Pre	esent?		Yes		No	\boxtimes	1
Remarks:																
HYDROLO	GY															
	Irology Indicate	ors:														
Primary Indic	ators (minimum	of one i	required	; check	all that	t apply)				Seco	ndary Indicator	s (2 or mor	re requir	ed)		
Surfac	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (Riveri	ine)			
🖾 🛛 High W	Vater Table (A2)					Biotic Crust (B12)					Sediment Dep	osits (B2) (Riverin	e)		
Satura Satura	tion (A3)					Aquatic Invertebrate	s (B13)				Drift Deposits	(B3) (River	rine)			
□ Water	Marks (B1) (Nor	nriverin	ıe)			Hydrogen Sulfide Oc	lor (C1)				Drainage Patte	erns (B10)				
Sedimo	ent Deposits (B2	2) (Non i	riverine)		Oxidized Rhizospher	es along	Living Root	s (C3)		Dry-Season W	/ater Table	(C2)			
Drift D	eposits (B3) (No	nriveri	ne)			Presence of Reduce	d Iron (C	4)			Crayfish Burro	ws (C8)				
Surfac	e Soil Cracks (B	6)				Recent Iron Reduction	on in Tille	d Soils (C6)			Saturation Vis	ible on Aeri	ial Imag	ery (CS	9)	
🔲 Inunda	ation Visible on A	erial Im	nagery (I	B7)		Thin Muck Surface (C7)				Shallow Aquita	ard (D3)				
□ Water-	Stained Leaves	(B9)				Other (Explain in Re	marks)				FAC-Neutral T	est (D5)				
Field Observ	vations:															
Surface Wate		Yes	\boxtimes	No		Depth (inches):	<u>2</u>									
Water Table		Yes	\boxtimes	No		Depth (inches):	<u>0</u>									
Saturation Pr (includes cap	illary fringe)	Yes	\boxtimes	No		Depth (inches):	<u>0</u>			and Hyd	rology Presen	t?	Yes	\boxtimes	No	
Describe Rec	corded Data (stre	eam gau	uge, mo	nitoring	well, a	erial photos, previous	inspectio	ns), if availa	ble:							

Project Site: <u>SPTC-JPA</u>					City/Count	nty: <u>F</u>	olsom	/Sacrar	mento	Sampli	ng Date:	12/19	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment				S	state: <u>CA</u>	Samplii	ng Point:	<u>21b</u>		
Investigator(s): KCV					Section, To	Towns	hip, Ra	ange:	<u>S 22, T9N, R8</u>	<u>3E</u>				
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	oncave	e, conv	ex, nor	ne): <u>none</u>		Slo	pe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: 3	8.61	82251	8		L	ong:	-121.08	<u>303173</u>	D	atum: <u>N</u>	AD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes						NWI c	lassification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	\triangleleft	No	□ (lf no, explain i	n Remarks.)				
Are Vegetation , Soil , or Hydrology	🗌 sigi	nifica	ntly di	sturbed	? Are "	"Norm	nal Ciro	cumstai	nces" present	?	Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗆 nat	urally	y probl	ematic	? (If ne	needeo	l, expla	ain any	answers in Re	emarks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nling	noint	locations	e tran	soct	imn	ortant foatu	iros oto				
Hydrophytic Vegetation Present?	Yes		No		iocations,	s, ii ai	13601	s, imp		165, 610.				
Hydric Soil Present?	Yes		No		Is the Sam	mpled	Area	within	a Wetland?		Yes	П	No	
Wetland Hydrology Present?	Yes		No									_		_
Remarks:														
VEGETATION – Use scientific names of plants	Absolute	Э	Domin	nant	Indicator			T	4 W					
Tree Stratum (Plot size:)	% Cove	<u>r</u>	Specie		Status	Do	minan	ce les	t Worksheet:					
1									nant Species					(A)
2						1116	at Ale	UDL, F	ACW, or FAC	•				
3									Dominant All Strata:					(B)
4					<u> </u>									
50% =, 20% =)			= 10ta	al Cover					nant Species ACW, or FAC					(A/B)
Sapling/Shrub Stratum (Plot size:)														
1						Pre	evalen		ex worksheet					
2							1		al % Cover of :		<u>Multiply</u>	<u>y dy:</u>		
3							L spec				x1 =		-	
4 5.							CW sp				x2 =		-	
			Tata				C spec				x3 =		_	
50% =, 20% =			= 101a	al Cover			CU sp				x4 =		-	
Herb Stratum (Plot size:)						UP	L spec	les		<i></i>	x5 =			
1. <u>Festuca perennis</u>	<u>80</u>		<u>yes</u>		<u>FAC</u>	Co	lumn T	otals:		(A)			_ (B	-
2										Index = B/A =				
3						-		-	getation Indi					
4							\boxtimes	Dom	inance Test is	>50%				
5					·			Preva	alence Index i	s <u><</u> 3.0 ¹				
6					<u> </u>					ptations ¹ (Prov		orting		
7								uala	III Remarks of	r on a separate	sneet)			
8					·			Prob	lematic Hydro	phytic Vegetat	ion ¹ (Exp	lain)		
50% =, 20% =	<u>80</u>		= Tota	al Cover		¹ In	dicator	s of hv	dric soil and w	etland hydrolo	av must			
Woody Vine Stratum (Plot size:)									ss disturbed o		gy must			
1														
2							droph			Vaa		NI -		
50% =, 20% =				al Cover			getations sent?			Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	c Crust										
Remarks:														

US Army Corps of Engineers

SOIL												Samp	ling Po	oint: <u>2</u>	21b
Profile Descr	iption: (Descri	be to th	e depth	n need	ed to d	ocument the indicato	r or con	firm the abs	sence o	f indicat	ors.)				
Depth	Matr	rix				Redox Featu									
(inches)	Color (moist	<u>t)</u>	<u>%</u>	Co	olor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textur	re <u>Remarks</u>				
<u>0-12</u>	<u>7.5YR 4/3</u>		100						_	Clay-gra	avel				
		-							_						
<u> </u>		-							_						
		-							_						
		-							_						
		-							_						
¹ Type: C= Co	ncentration, D=	Depletic	on, RM=	Reduc	ed Mati	rix, CS=Covered or Coa	ted San	d Grains. 2	Locatio		ore Lining, M=Matrix.				
Hydric Soil Ir	ndicators: (App	olicable	to all L	RRs, ι	Inless	otherwise noted.)				Indi	cators for Problematic	Hydric \$	Soils ³ :		
Histoso	l (A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10) (LR	R B)			
Black H	listic (A3)					Loamy Mucky Minera	l (F1)				Reduced Vertic (F18)				
Hydroge	en Sulfide (A4)					Loamy Gleyed Matrix	(F2)				Red Parent Material (TF2)			
☐ Stratifie	d Layers (A5) (I	LRR C)				Depleted Matrix (F3)					Other (Explain in Rem	narks)			
1 cm M	uck (A9) (LRR I	D)				Redox Dark Surface	(F6)								
Deplete	d Below Dark S	Surface ((A11)			Depleted Dark Surface	e (F7)								
Thick D	ark Surface (A1	2)				Redox Depressions (F8)				³ Indicators of hydroph	vtic vea	etation	and	
Sandy Mucky Mineral (S1)											wetland hydrology r				
Sandy C	Gleyed Matrix (S	S4)									unless disturbed of	or proble	ematic.		
Restrictive L	ayer (if presen	t):													
Туре:															
Depth (Inches	s):							Hydric So	oils Pre	sent?	Yes		No	\boxtimes	1
Remarks:															
HYDROLOG	GY														
Wetland Hyd	rology Indicate	ors:													
Primary Indica	ators (minimum	of one r	required	; checł	k all tha	t apply)				Secor	ndary Indicators (2 or mo	re requir	ed)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (River	ine)			
🖾 🛛 High W	ater Table (A2)					Biotic Crust (B12)					Sediment Deposits (B2)	(Riverin	e)		
Saturat	tion (A3)					Aquatic Invertebrates	(B13)				Drift Deposits (B3) (Rive	rine)			
Water I	Marks (B1) (No	nriverin	e)			Hydrogen Sulfide Od	or (C1)				Drainage Patterns (B10)				
Sedime	ent Deposits (B2	2) (Non r	viverine))		Oxidized Rhizosphere	es along	Living Roots	s (C3)		Dry-Season Water Table	(C2)			
Drift De	eposits (B3) (Nc	onriverii	ne)			Presence of Reduced	l Iron (C	4)			Crayfish Burrows (C8)				
Surface	e Soil Cracks (B	86)				Recent Iron Reductio	n in Tille	d Soils (C6)			Saturation Visible on Aer	ial Imag	ery (CS	9)	
🔲 Inundat	tion Visible on A	Aerial Im	agery (E	37)		Thin Muck Surface (C	(7				Shallow Aquitard (D3)				
□ Water-	Stained Leaves	(B9)				Other (Explain in Rer	narks)				FAC-Neutral Test (D5)				
Field Observ	ations:														
Surface Wate	r Present?	Yes	\boxtimes	No		Depth (inches):	<u>3</u>								
Water Table F	Present?	Yes	\boxtimes	No		Depth (inches):	0								
Saturation Pre (includes capi	esent?	Yes		No		Depth (inches):	<u>0</u>		Wetla	nd Hydr	ology Present?	Yes	\boxtimes	No	
		eam gau	uge, mor	nitoring	g well, a	erial photos, previous i	nspectio	ns), if availa	ble:						
Pomorko:		-													

Project Site: <u>SPTC-JPA</u>				City/Count	y: Folsom/Sacra	mento	Samplir	ng Date:	12/19/	/201	4
Applicant/Owner: El Dorado County Department o	Economic D	evelopmen	<u>nt</u>		5	State: <u>CA</u>	Samplin	g Point:	<u>22a</u>		
Investigator(s): <u>KCV</u>				Section, To	wnship, Range:	<u>S 22, T9, R8E</u>					
Landform (hillslope, terrace, etc.): Hillslope			Loca	al relief (con	icave, convex, no	ne): <u>concave</u>		Slop	be (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: <u>38.6</u>	1685			Long: <u>w 121</u>	08028	Da	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Whiterock loam, 3 to 30 percer	t slopes					NWI classi	ication:	Seasona	l Wetla	nd	
Are climatic / hydrologic conditions on the site typi	cal for this tin	ne of year?	,	Yes 🛛	No 🔲	(If no, explain in Re	marks.)				
Are Vegetation \Box , Soil \Box , or Hydrology	signific	antly distur	bed?	Are "I	Normal Circumsta	inces" present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	natural	y problema	atic?	(If ne	eded, explain any	answers in Remark	ks.)				
SUMMARY OF FINDINGS – Attach site map st			_ 1	ocations,	transects, imp	ortant features,	etc.				
Hydrophytic Vegetation Present?	Yes 🛛					- Matley 10		Vee	57		_
Hydric Soil Present?	Yes 🛛	No 🗆		is the Sam	pled Area within	a wetland?		Yes	X	No	Ц
Wetland Hydrology Present?	Yes 🛛	No									
Remarks:											
VEGETATION – Use scientific names of plants											
Tree Stratum (Plot size:)	Absolute <u>% Cover</u>	Dominant Species?		Indicator Status	Dominance Te	st Worksheet:					
1					Number of Dom	inant Species					(•)
2					That Are OBL, F	ACW, or FAC:					(A)
3					Total Number of	Dominant					(D)
4					Species Across	All Strata:					(B)
50% =, 20% =		= Total Co	over		Percent of Dom	inant Species					(A / D)
Sapling/Shrub Stratum (Plot size:)					That Are OBL, F	FACW, or FAC:					(A/B)
1					Prevalence Ind	ex worksheet:					
2					Tot	al % Cover of :		Multiply	<u>/ by:</u>		
3					OBL species			x1 =		_	
4					FACW species			x2 =		_	
5					FAC species			x3 =		_	
50% =, 20% =		= Total Co	over		FACU species			x4 =		_	
Herb Stratum (Plot size:)					UPL species			x5 =		_	
1. <u>Festuca perennis</u>	<u>80</u>	<u>ves</u>		FAC	Column Totals:	(A)				(B))
2						Prevalence Inde	x = B/A =				
3					Hydrophytic Ve	egetation Indicator					
4					🛛 Dom	ninance Test is >509	6				
5					Prev	alence Index is <3.	D ¹				
6					Mor	ohological Adaptatic		ide sunn	ortina		
7.					data	in Remarks or on a	separate	sheet)	orting		
8					Prot	elematic Hydrophytic	Venetati	on ¹ (Exp	lain)		
50% =, 20% =	80	= Total Co	over		1100		vogotati		ianiy		
Woody Vine Stratum (Plot size:)						dric soil and wetlan		gy must			
1.					be present, unie	ess disturbed or prol	plematic.				
2.					Herdney L. C.						
50% = , 20% =		= Total Co	over		Hydrophytic Vegetation		Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Cover of	of Biotic Cr			Present?						
Remarks:											

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SOIL												Samp	ling Po	oint: <u>2</u>	:2a
Profile Descr	iption: (Descri	ibe to th	he depth	h need	firm the abs	sence of	f indica	itors.)							
Depth	Mat	rix				Redox Fea	tures								
(inches)	Color (moist	<u>t)</u>	<u>%</u>	<u>Co</u>	olor (Mc	<u>ist) %</u>	Type ¹	Loc ²	2	Textu	ure <u>Remarks</u>				
<u>0-12</u>	<u>5YR 4/1</u>		<u>80</u>	ł	5YR 4/3	<u>3 20</u>	<u>D</u>	M		<u>Clay-gr</u>	avel				
		-							_						
		_				·									
		_				·									
		-							_						
		_													
¹ Type: C= Cor	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or Co	bated Sar	d Grains. 2	² Locatior	n: PL=P	ore Lining, M=Matrix.				
Hydric Soil In	dicators: (App	plicable	to all L	.RRs, ι	unless	otherwise noted.)					licators for Problematic H	ydric S	Soils ³ :		
Histosol	(A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)				2 cm Muck (A10) (LRR	B)			
Black H	istic (A3)					Loamy Mucky Mine	ral (F1)				Reduced Vertic (F18)				
_	en Sulfide (A4)					Loamy Gleyed Matr					Red Parent Material (T	F2)			
	d Layers (A5) (\boxtimes	Depleted Matrix (F3					Other (Explain in Rema	-			
	uck (A9) (LRR	. ,				Redox Dark Surface						- /			
	d Below Dark S		(A11)			Depleted Dark Surfa									
	ark Surface (A1		(/ () /)			Redox Depressions					<u>^</u>				
_	Aucky Mineral (-				Vernal Pools (F9)	(10)				³ Indicators of hydrophy	-			
_ `	Gleyed Matrix (wetland hydrology m unless disturbed o		-	t,	
,											uniess disturbed of	proble	malic.		
	ayer (if presen	ity.													
Type:	·							Hydric So	oile Dro	oon+2	Yes	\boxtimes	No		1
Depth (Inches)							Hyunc St	ons Fre	sentr	Tes		NO		<u> </u>
Remarks:															
HYDROLOG	SY														
	rology Indicate	ors:													
Primary Indica	ators (minimum	of one i	required	l; checł	< all that	t apply)				Seco	ondary Indicators (2 or more	e requir	ed)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (Riveri	ne)			
	ater Table (A2))				Biotic Crust (B12)					Sediment Deposits (B2) (I	-	e)		
_	ion (A3)					Aquatic Invertebrate	es (B13)				Drift Deposits (B3) (River				
	Marks (B1) (No	nriverin	ne)			Hydrogen Sulfide O	. ,				Drainage Patterns (B10)	,			
	ent Deposits (B2)		Oxidized Rhizosphe		Living Root	s (C3)		Dry-Season Water Table	(C2)			
	eposits (B3) (No		-	,		Presence of Reduce		-	- ()		Crayfish Burrows (C8)	()			
	e Soil Cracks (E		,			Recent Iron Reduct					Saturation Visible on Aeria	al Iman	erv (C	3)	
	tion Visible on A		nagery (i	B7)		Thin Muck Surface					Shallow Aquitard (D3)	arinnag		,	
	Stained Leaves		lagery (i	57)		Other (Explain in Re					FAC-Neutral Test (D5)				
Field Observa		5 (D3)					aniarks)				TAC-Neuliar rest (D3)				
		Vaa		Nia		Donth (inches)	4								
Surface Water		Yes		No		Depth (inches):									
Water Table F		Yes	\boxtimes	No		Depth (inches):	<u>0</u>								
Saturation Pre (includes capi	llary fringe)	Yes		No		Depth (inches):				nd Hyd	rology Present?	Yes	\boxtimes	No	
Describe Reco	orded Data (str	eam gau	uge, moi	nitoring	g well, a	erial photos, previous	inspectio	ons), it availa	ble:						
Remarks:															

Project Site: <u>SPTC-JPA</u>					City/Count	ty: Folson	n/Sacramento	<u>o</u> Sa	mpling Date:	12/19/	201	4
Applicant/Owner: <u>El Dorado County Department of</u>	Econom	ic De	evelopr	ment			State:	Sa	mpling Point:	22b		-
Investigator(s): KCV					Section, To	ownship, R	ange: <u>S 22,</u>	<u>T9N, R8E</u>				
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, con	vex, none):	none	Slo	pe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: 3	8.61	68608			Long:	-121.07869		Datum: <u>N</u>	AD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes					NWI classification	on: <u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No	🔲 (If no,	explain in Remark	s.)			
Are Vegetation □, Soil □, or Hydrology	🗌 sig	nifica	ntly dis	sturbed	? Are "	Normal Cir	rcumstances"	present?	Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗌 nat	urally	y proble	ematic	? (If ne	eded, expl	lain any answ	vers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map sh				-	locations,	, transect	ts, importa	nt features, etc.	•			
Hydrophytic Vegetation Present?	Yes		No	\boxtimes						_		_
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Area	a within a We	etland?	Yes		No	\bowtie
Wetland Hydrology Present?	Yes		No	\boxtimes								
Remarks:												
VEGETATION – Use scientific names of plants	3.											
Tree Stratum (Plot size:)	Absolute % Cove		Domin Specie		Indicator Status	Domina	nce Test Wo	rksheet:				
1		-				Number	of Dominant	Species				<i></i>
2							OBL, FACW					(A)
3						Total Nu	mber of Dom	inant				
4						Species	Across All St	rata:				(B)
50% =, 20% =			= Tota	l Cove	r	Percent	of Dominant	Species				
Sapling/Shrub Stratum (Plot size:)						That Are	OBL, FACW	, or FAC:				(A/B)
1						Prevaler	nce Index wo	orksheet:				
2							Total % C	<u>Cover of :</u>	Multipl	<u>y by:</u>		
3						OBL spe	cies		x1 =		-	
4						FACW s	pecies		x2 =		-	
5						FAC spe	cies		x3 =		-	
50% =, 20% =			= Tota	I Cove	r	FACU sp	pecies		x4 =		_	
Herb Stratum (Plot size:)						UPL spe	cies		x5 =		-	
1. <u>Bromus hordeaceus</u>	<u>20</u>		<u>yes</u>		FACU	Column ⁻	Totals:	(A)			(B))
2. <u>Erodium botrys</u>	<u>70</u>		<u>yes</u>		FACU		Pre	evalence Index = E	B/A =			
3						Hydroph		tion Indicators:				
4							Dominanc	e Test is >50%				
5							Prevalenc	e Index is <3.0 ¹				
6						_		gical Adaptations ¹	(Provide supr	ortina		
7								marks or on a sep		orang		
8							Problemat	tic Hydrophytic Veo	petation ¹ (Exp	lain)		
50% =, 20% =	90		= Tota	l Cove	r							
Woody Vine Stratum (Plot size:)								oil and wetland hyd sturbed or problema				
1						50 piese	, unicoo ulo					
2						Hydroph	ovtic					
50% =, 20% =			= Tota	l Cove	r	Vegetati	ion	Ye	s 🗌	No		\boxtimes
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Present	?					
Remarks:												

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL												Samp	ling Po	int: <u>2</u>	2b
Profile Descr	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)														
Depth	Matr	ix				Redox Feature	s								
(inches)	Color (moist)	<u>%</u>	<u>Co</u>	lor (Mo	<u>ist) % T</u>	vpe ¹	Loc ²		Textur	e <u>Remarks</u>				
<u>0-12</u>	<u>7.5YR 4/3</u>		<u>100</u>						-	Clay-gra	vel				
		-							_						
		-							_						
		-							_						
		-							_						
		-							_						
¹ Type: C= Co	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or Coate	d Sand	Grains. ² I	Locatio	n: PL=Po	ore Lining, M=Matrix.				
Hydric Soil I	ndicators: (App	olicable	to all L	.RRs, ι	Inless	otherwise noted.)				Indio	cators for Problematic H	lydric S	Soils ³ :		
Histoso	l (A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10) (LRF	₹В)			
Black H	listic (A3)					Loamy Mucky Mineral (F1)				Reduced Vertic (F18)				
Hydroge	en Sulfide (A4)					Loamy Gleyed Matrix (F	-2)				Red Parent Material ([F2)			
Stratifie	d Layers (A5) (I	LRR C)				Depleted Matrix (F3)					Other (Explain in Rem	arks)			
□ 1 cm M	uck (A9) (LRR I	D)				Redox Dark Surface (Fe	6)								
Deplete	d Below Dark S	urface	(A11)			Depleted Dark Surface	(F7)								
Thick D	ark Surface (A1	2)				Redox Depressions (F8	3)				³ Indicators of hydrophy	tic vert	etation	and	
Sandy Mucky Mineral (S1)											wetland hydrology n				
□ Sandy (Gleyed Matrix (S	54)									unless disturbed o	r proble	matic.		
Restrictive L	ayer (if presen	t):													
Туре:															
Depth (Inches	s):							Hydric So	oils Pre	sent?	Yes		No	\boxtimes	1
Remarks:															
HYDROLOG	GY														
	rology Indicate	ors:													
	ators (minimum		required	; checł	c all tha	t apply)				Secon	idary Indicators (2 or mor	e requir	ed)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (Riveri	ne)			
🔲 High W	/ater Table (A2)					Biotic Crust (B12)					Sediment Deposits (B2)	Riverin	e)		
□ Saturat	tion (A3)					Aquatic Invertebrates (E	313)				Drift Deposits (B3) (River	rine)			
U Water I	Marks (B1) (Noi	nriverin	ie)			Hydrogen Sulfide Odor	(C1)				Drainage Patterns (B10)				
Sedime	ent Deposits (B2	2) (Non i	riverine)		Oxidized Rhizospheres	along I	_iving Roots	s (C3)		Dry-Season Water Table	(C2)			
	eposits (B3) (No	nriveri	ne)			Presence of Reduced Ir	ron (C4)			Crayfish Burrows (C8)				
	e Soil Cracks (B	6)				Recent Iron Reduction i	in Tilled	Soils (C6)			Saturation Visible on Aeri	al Imag	ery (CS	9)	
	tion Visible on A	verial Im	nagery (I	B7)		Thin Muck Surface (C7))	. ,			Shallow Aquitard (D3)			,	
	Stained Leaves	(B9)				Other (Explain in Rema	rks)				FAC-Neutral Test (D5)				
Field Observ	ations:										. /				
Surface Wate		Yes		No	\boxtimes	Depth (inches):									
Water Table F		Yes		No		Depth (inches):									
Saturation Pre (includes capi	esent?	Yes		No		Depth (inches):			Wetla	nd Hydr	ology Present?	Yes		No	\boxtimes
		eam gau	uge, mo	nitorino	g well, a	aerial photos, previous ins	pection	s), if availab	ole:						
Remarks:	(· ·	0					-								

Project Site: <u>SPTC-JPA</u>					City/Count	nty: <u>F</u>	olsom/	/Sacran	nento	Samplir	ng Date:	12/19	/201	4
Applicant/Owner: <u>El Dorado County Department o</u>	Econom	ic De	evelopi	ment	-			St	tate: CA	Samplin	g Point:	23b		_
Investigator(s): KCV					Section, To	Towns	hip, Ra	ange: <u>s</u>	<u>S 23, T9N, R8E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	oncave	, conv	ex, non	e): <u>none</u>		Slo	pe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.61	48556			L	ong: ·	-121.07	49287	D	atum: <u>N</u>	JAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes						NWI class	sification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	3	No	□ (I	f no, explain in R	emarks.)				
Are Vegetation , Soil , or Hydrology	🗌 sig	nifica	antly di	sturbed	? Are "	"Norm	al Circ	umstar	nces" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗌 nat	urall	y probl	ematic	? (If ne	needed	, expla	in any a	answers in Rema	rks.)				
					Innetione	- 4								
SUMMARY OF FINDINGS – Attach site map sh Hydrophytic Vegetation Present?	Yes	sam ⊠	No		locations,	s, trai	ISects	s, impo	ortant reatures	, etc.				
Hydric Soil Present?	Yes		No		Is the Sam	mpled	Area	within	a Wetland?		Yes		No	
Wetland Hydrology Present?	Yes		No									_		-
Remarks:														
VEGETATION – Use scientific names of plants	S. Absolute	e	Domir	nant	Indicator									
Tree Stratum (Plot size:)	% Cove		Specie		Status	Do	minan	ce Test	t Worksheet:					
1									nant Species					(A)
2					<u> </u>	Ina	at Are (JBL, FA	ACW, or FAC:					()
3									Dominant					(B)
4						Spe	ecies A	CIOSS F	All Strata:					
50% =, 20% =			= Tota	al Cove	ſ				nant Species ACW, or FAC:					(A/B)
Sapling/Shrub Stratum (Plot size:)														
1						Pre	valen		x worksheet:					
2									<u>I % Cover of :</u>		Multiply	<u>/ by:</u>		
3							L spec				x1 =		-	
4	<u> </u>		<u> </u>				CW sp				x2 =		-	
5							C spec				x3 =		-	
50% =, 20% =	<u> </u>		= Iota	al Cove	r		CU spe				x4 =		-	
Herb Stratum (Plot size:)						UP	L spec	ies			x5 =		-	
1. <u>Festuca perennis</u>	<u>80</u>		<u>yes</u>		<u>FAC</u>	Col	umn T	otals:	(A)					
2									Prevalence Ind	ex = B/A =				
3					<u> </u>	Hy	drophy		getation Indicato					
4							\boxtimes	Domi	nance Test is >50	0%				
5								Preva	alence Index is <u><</u> 3	3.0 ¹				
6									hological Adaptat			orting		
7							_	data i	in Remarks or on	a separate	sheet)			
8	<u> </u>							Probl	ematic Hydrophy	tic Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>80</u>		= Tota	al Cove	r	1			Iric soil and wetla					
Woody Vine Stratum (Plot size:)									s disturbed or pro		gy musi			
1														
2						Ну	drophy	ytic		<u>v</u>	57			_
50% =, 20% =	<u> </u>		= Tota	al Cove	r		getations sent?			Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	c Crust		FIE	Jent f							
Remarks:														

US Army Corps of Engineers

SOIL													Samp	oling Po	int: <u>2</u>	<u>23b</u>
Profile Desc	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)															
Depth	Mati	rix				Redox Feat										
<u>(inches)</u>	Color (moist	<u>t)</u>	<u>%</u>	Co	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textu		<u>Remarks</u>				
<u>0-12</u>	<u>5YR 4/4</u>		<u>100</u>						_	<u>Clay-g</u>	ravel					
		-							_							
		-							_							
		-							_							
		-							_							
17 0 0		-		<u> </u>					2							
						ix, CS=Covered or Co	ated San	d Grains.	Locatio		Pore Lining, I		- Undrig (Paila ³		
		Diicabie	to all L	.RRS, U		otherwise noted.)						Problematio	•	5011S :		
Histoso	Epipedon (A2)					Sandy Redox (S5)						uck (A9) (LR	-			
	listic (A3)					Stripped Matrix (S6) Loamy Mucky Miner						uck (A10) (L d Vertic (F18	-			
	en Sulfide (A4)					Loamy Gleyed Matri						rent Material				
	ed Layers (A5) (I					Depleted Matrix (F3)						Explain in Re	. ,			
	luck (A9) (LRR I	,				Redox Dark Surface					Other (L		marks			
	ed Below Dark S	-	(Δ11)			Depleted Dark Surfa	. ,									
_	Dark Surface (A1		(/(11)			Redox Depressions					2					
Sandy	()					ors of hydrop										
-	Gleyed Matrix (S					Vernal Pools (F9)						nd hydrology ess disturbed			ι,	
	ayer (if presen															
Type:		•														
Depth (Inches	s):							Hydric Se	oils Pre	esent?		Yes		No	\boxtimes]
Remarks:																
	0 V															
HYDROLO	G I Irology Indicate	ors:														
-	ators (minimum		required	l check	all that	t apply)				Seco	ndary Indic:	ators (2 or m	ore requi	red)		
	e Water (A1)		loquilou	, 01001		Salt Crust (B11)					-	ks (B1) (Rive		00)		
	Vater Table (A2)					Biotic Crust (B12)						Deposits (B2	-	e)		
-	tion (A3)					Aquatic Invertebrate	s (B13)					sits (B3) (Riv		,		
_	Marks (B1) (No	nriverir	ne)			Hydrogen Sulfide O						Patterns (B10	-			
	ent Deposits (B2		-)		Oxidized Rhizosphe		Livina Root	s (C3)		-	n Water Tab	-			
	eposits (B3) (No			,		Presence of Reduce	-	-	- ()		-	urrows (C8)	- (-)			
	e Soil Cracks (B		,			Recent Iron Reducti					=	Visible on A	erial Imac	erv (CS))	
	tion Visible on A	Aerial Im	nagery (B7)		Thin Muck Surface (C7)	. ,				quitard (D3)	0		,	
	Stained Leaves	(B9)		,		Other (Explain in Re	marks)					al Test (D5)				
Field Observ	vations:					-						. ,				
Surface Wate	er Present?	Yes	\boxtimes	No		Depth (inches):	<u>2</u>									
Water Table I		Yes	\boxtimes	No		Depth (inches):										
Saturation Pr		Yes	\boxtimes	No		Depth (inches):			Wetla	and Hvd	lrology Pres	sent?	Yes	\boxtimes	No	
(includes cap						erial photos, previous		ns) if availa						لات		
Describe Rec		cum ya	uge, mo	intoring	wen, a		inspection	no), ii avalla	DIE.							

Project Site: <u>SPTC-JPA</u>					City/Count	nty: <u>F</u>	olsom/	Sacram	nento	Samplir	ng Date:	12/19	/201	4
Applicant/Owner: <u>El Dorado County Department o</u>	Econom	ic De	evelopi	ment	-			St	ate: CA	Samplin	g Point:	24b		_
Investigator(s): KCV					Section, To	Towns	nip, Ra	inge: <u>S</u>	<u>5 23, T9N, R8E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	oncave	, conve	ex, none	e): <u>none</u>		Slo	oe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.61	34639			L	ong: -	121.07	14631	D	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes						NWI class	sification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	3	No	🗆 (lf	f no, explain in R	emarks.)				
Are Vegetation , Soil , or Hydrology	🗌 sig	nifica	antly di	sturbed	? Are "	"Norm	al Circ	umstan	ces" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗌 nat	urall	y probl	ematic	? (If ne	needed	, expla	in any a	answers in Rema	rks.)				
					Innetione		4 -							
SUMMARY OF FINDINGS – Attach site map sh Hydrophytic Vegetation Present?	Yes	sam ⊠	No		locations,	s, tran	sects	s, impo	ortant reatures	, etc.				
Hydric Soil Present?	Yes		No		Is the Sam	mpled	Area	within a	a Wetland?		Yes	п	No	
Wetland Hydrology Present?	Yes		No											-
Remarks:														
VEGETATION – Use scientific names of plants	S. Absolute	e	Domir	nant	Indicator	1-								
Tree Stratum (Plot size:)	% Cove		Specie		Status	Do	ninan	ce Test	Worksheet:					
1									ant Species					(A)
2						Ina	it Are (JBL, FA	CW, or FAC:					()
3									Dominant					(B)
4						Spe	CIES A	cross A	II Strata:					()
50% =, 20% =			= Tota	al Cove	r				ant Species ACW, or FAC:					(A/B)
Sapling/Shrub Stratum (Plot size:)														
1						Pre	valend		x worksheet:					
2	<u> </u>		<u> </u>						% Cover of :		Multiply	<u>/ by:</u>		
3							L spec		·		x1 =		-	
4							CW sp				x2 =		-	
5							C spec				x3 =		-	
50% =, 20% =			= Tota	al Cove	ſ		CU spe				x4 =		-	
Herb Stratum (Plot size:)						UP	_ spec	ies	·		x5 =		-	
1. <u>Festuca perennis</u>	<u>90</u>		<u>ves</u>		<u>FAC</u>	Col	umn T	otals:	(A)				_ (B	
2									Prevalence Ind	ex = B/A =				
3						Hye	drophy	/tic Veg	etation Indicato	ors:				
4						I	\times	Domir	nance Test is >50)%				
5	<u> </u>					[Preva	lence Index is <u><</u> 3	3.0 ¹				
6									nological Adaptat			orting		
7	<u> </u>							data ii	n Remarks or on	a separate	sheet)			
8						[Proble	ematic Hydrophy	tic Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>90</u>		= Tota	al Cove	r	1.								
Woody Vine Stratum (Plot size:)									ric soil and wetla s disturbed or pro		gy must			
1														
2						Нус	drophy	/tic			57			_
50% =, 20% =			= Tota	al Cove	r	Veg	jetatio sent?			Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	c Crust		Pre	sent?							
Remarks:														

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SOIL													Samp	ling Po	int: <u>2</u>	24b
Profile Desc	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)															
Depth	Matr	rix				Redox Feat	ures									
(inches)	Color (moist	<u>t)</u>	<u>%</u>	Col	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textu	ure	Remarks				
<u>0-12</u>	<u>5YR 4/4</u>		<u>100</u>						_	<u>Clay-g</u>	ravel					
		-							_							
		-							_							
— —		-							-			_				
— —		-							-			_				
17 0 0				<u> </u>					2							
						ix, CS=Covered or Co	ated San	d Grains.	Locatio		Pore Lining, N		Livelain C	a ila ³ .		
_	• • •	Diicabie	to all L	.KKS, U	_	otherwise noted.)						Problematic		Solis :		
Histoso						Sandy Redox (S5)						ick (A9) (LRF ick (A10) (LRF	-			
	Epipedon (A2) Histic (A3)					Stripped Matrix (S6)						ick (A10) (LR	-			
						Loamy Mucky Miner						d Vertic (F18)				
, ,	en Sulfide (A4) ed Layers (A5) (I					Loamy Gleyed Matri Depleted Matrix (F3)						ent Material xplain in Rer				
	luck (A9) (LRR I					Redox Dark Surface							naiks)			
	ed Below Dark S		(Δ11)			Depleted Dark Surface										
_ ·			(711)			Redox Depressions										
Thick Dark Surface (A12) Redox Depr Sandy Mucky Mineral (S1) Vernal Pools							(10)					rs of hydroph				
Sandy Mucky Mineral (ST) Sandy Gleyed Matrix (S4)												nd hydrology ss disturbed			,	
	ayer (if presen	-									unio			mano.		
Туре:		-,-														
Depth (Inches	s):							Hydric So	oils Pre	esent?		Yes		No]
Remarks:	-,															
HYDROLO																
=	Irology Indicate															
-	ators (minimum	of one i	required	; check								itors (2 or mo		ed)		
	e Water (A1)					Salt Crust (B11)						(B1) (Rive	-			
	Vater Table (A2)					Biotic Crust (B12)	(=)					eposits (B2)	-	e)		
	tion (A3)					Aquatic Invertebrate	. ,				-	its (B3) (Rive	-			
	Marks (B1) (No		-			Hydrogen Sulfide Od			(00)		-	atterns (B10)				
	ent Deposits (B2		-)		Oxidized Rhizosphe	-	-	s (C3)		-	Water Table	e (C2)			
	eposits (B3) (No		ne)			Presence of Reduce		,			Crayfish Bu	()		(0.0		
	e Soil Cracks (B					Recent Iron Reduction		d Soils (C6)				Visible on Ae	rial Imag	ery (C9)	
	ition Visible on A		lagery (I	87)		Thin Muck Surface (Shallow Aq					
	Stained Leaves	(B9)				Other (Explain in Re	marks)		r –		FAC-Neutra	al lest (D5)				
Field Observ		N a			_											
Surface Wate		Yes		No		Depth (inches):										
Water Table		Yes	\boxtimes	No		Depth (inches):	<u>0</u>									
Saturation Pr (includes cap	illary fringe)	Yes		No		Depth (inches):		no) if our it-		and Hyd	Irology Pres	ent?	Yes	\boxtimes	No	
Describe Rec	orded Data (stre	eam gau	uge, moi	nitoring	well, a	erial photos, previous	inspectio	ns), ir availa	nie:							

Project Site: SPTC-JPA					City/Count	ty: <u>Folso</u> i	m/El Dora	ado	Sa	mpling Da	ate:	<u>12/19</u>	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopm	nent			S	tate: <u>C</u>	SA Sa	mpling Po	int:	<u>25a</u>		
Investigator(s): KCV					Section, To	ownship, F	Range:	<u>S 26, T</u>	<u>8, R1</u>					
Landform (hillslope, terrace, etc.): Hillslope				Loc	al relief (cor	ncave, cor	ivex, non	ne): <u>co</u>	ncave	:	Slop	e (%):	<u>1</u>	
Subregion (LRR): C	Lat: 3	38.61	207			Long:	-121.06	6851		Datum	: <u>N</u>	AD 83		
Soil Map Unit Name: Perkins gravelly loam, moderat	ely deep	varia	int, 2 to	5 perc	ent slopes				NWI classificati	on: <u>Seas</u>	onal	Wetla	nd	
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of yea	ar?	Yes 🛛	No		lf no, ex	plain in Remark	s.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sigi	nifica	ntly dis	sturbed	? Are "	Normal Ci	rcumstar	nces" pr	esent?	Y	es	\boxtimes	No	
Are Vegetation , Soil , or Hydrology	🗆 nat	urally	y proble	ematic?	(If ne	eded, exp	lain any	answer	s in Remarks.)					
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	pling	point	locations,	transec	ts, imp	ortant	features, etc.					
Hydrophytic Vegetation Present?	Yes	\boxtimes	No				<i>,</i> ,							
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sam	pled Are	a within	a Wetla	and?	Y	es	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No											
Remarks:														
VEGETATION – Use scientific names of plants	5.													
Tree Stratum (Plot size:)	Absolute		Domina		Indicator	Domina	nce Tes	t Works	sheet:					
1.	<u>% Cove</u>	<u>r</u>	<u>Specie</u>	<u>s?</u>	<u>Status</u>									
2.							of Domi OBL, F							(A)
3						Total Ni	umber of	Domina	int					
4							Across /				_			(B)
50% =, 20% =			= Total	l Cover		Percent	of Domir	nant Sp	ecies					
Sapling/Shrub Stratum (Plot size:)						That Are	e OBL, F	ACW, o	r FAC:					(A/B)
1						Prevale	nce Inde	ex work	sheet:					
2							Tota	al % Cov	ver of :	Mul	tiply	by:		
3						OBL spe	ecies	_		x1 =	=		_	
4						FACW s	pecies	_		x2 =	=		_	
5						FAC spe	ecies	_		x3 =	=		_	
50% =, 20% =			= Total	l Cover		FACU s	pecies	_		x4 =	=		_	
Herb Stratum (Plot size:)						UPL spe	ecies	_		x5 =	=		_	
1. <u>Paspalum dilatatum</u>	<u>70</u>		<u>yes</u>		FAC	Column	Totals:	_	(A)				(B)
2. <u>Carex sp.</u>	<u>10</u>		no		FAC			Preva	alence Index = E	B/A =	_			
3						Hydrop	hytic Ve		n Indicators:					
4						\boxtimes	Domi	inance ⁻	Fest is >50%					
5							Preva	alence I	ndex is $\leq 3.0^1$					
6						_			al Adaptations ¹	(Provide s	ממט	ortina		
7									arks or on a sep					
8							Probl	lematic	Hydrophytic Veg	getation ¹ (Expl	ain)		
50% =, 20% =	<u>80</u>		= Total	l Cover								,		
Woody Vine Stratum (Plot size:)									and wetland hyd		ust			
1						50 01000	, 011100							
2						Hydrop	hytic							
50% =, 20% =			= Total	l Cover		Vegetat	ion		Ye	s 🛛		No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Present								
Remarks: Carex sp. FAC or higher														

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Project Site:	SPTC-JPA
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SOIL												Samp	ling Po	pint: 2	2 <u>5a</u>
			ne depti	h need	ed to c	locument the indicat		firm the abs	sence of	indica	tors.)				
Depth	Mat	trix				Redox Fea	tures								
(inches)	<u>Color (mois</u>		<u>%</u>		lor (Mc		Type ¹	Loc	-	Textu	ire <u>Remarks</u>				
<u>0-12</u>	<u>10YR 4/1</u>		<u>90</u>	<u>1</u>	0YR 4/	<u>/3 10</u>	<u>D</u>	<u>M</u>		Clay-gr	avel				
		-							_						
		-													
		-							_						
		-							_						
		_													
	Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :														
	ol (A1)										1 cm Muck (A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)				2 cm Muck (A10) (LRF	R B)			
Black H	listic (A3)					Loamy Mucky Mine	ral (F1)				Reduced Vertic (F18)				
Hydrog	en Sulfide (A4)					Loamy Gleyed Mat	rix (F2)				Red Parent Material (F2)			
☐ Stratifie	ed Layers (A5) ((LRR C)			\boxtimes	Depleted Matrix (F3	3)				Other (Explain in Rem	arks)			
□ 1 cm M	uck (A9) (LRR	D)				Redox Dark Surfac	e (F6)								
Deplete	ed Below Dark S	Surface ((A11)			Depleted Dark Surf	ace (F7)								
Thick D	ark Surface (A	12)				Redox Depressions	s (F8)				³ Indicators of hydrophy	tic vege	etation	and	
Sandy				Vernal Pools (F9)					wetland hydrology n	•					
Sandy	Sandy Gleyed Matrix (S4)										unless disturbed o	r proble	matic.		
Restrictive L	ayer (if preser.	nt):													
Туре:															
Depth (Inches	s):							Hydric Se	oils Pres	sent?	Yes	\boxtimes	No]
Remarks:															
HYDROLO	GY														
	lrology Indicat	ors:													
-	ators (minimum		required	I: check	c all tha	t apply)				Seco	ndary Indicators (2 or mor	e requir	ed)		
	e Water (A1)		· · ·	-		Salt Crust (B11)					Water Marks (B1) (Riveri		,		
	/ater Table (A2)				Biotic Crust (B12)					Sediment Deposits (B2)		e)		
	tion (A3)					Aquatic Invertebrat	es (B13)				Drift Deposits (B3) (River				
	Marks (B1) (No	nriverin	e)			Hydrogen Sulfide C					Drainage Patterns (B10)	-,			
	ent Deposits (B			.)		Oxidized Rhizosph		Livina Root	s (C3)		Dry-Season Water Table	(C2)			
	eposits (B3) (No			,		Presence of Reduc	0	0	- ()		Crayfish Burrows (C8)	()			
	e Soil Cracks (E		,			Recent Iron Reduc		,			Saturation Visible on Aeri	al Iman	erv (C	a)	
			nagery (I	B7)		Thin Muck Surface					Shallow Aquitard (D3)	armag		,	
 Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) 										П	FAC-Neutral Test (D5)				
Field Observ															
Surface Water Present? Yes X No Depth (inches): <u>6</u>															
Water Table I		Yes				Depth (inches)									
Saturation Pr				No		• • • •	_						_		_
(includes cap		Yes	\boxtimes	No		Depth (inches)	: <u>0</u>		Wetla	nd Hyd	rology Present?	Yes	\boxtimes	No	
Describe Rec	orded Data (str	ream gau	uge, mo	nitoring	g well, a	aerial photos, previous	s inspectio	ns), if availa	ble:						
Remarks:															

Project Site: <u>SPTC-JPA</u>					City/Count	ty: Folsom/El Dorado Sampling Date: 1	2/19/20	14
Applicant/Owner: El Dorado County Department of	Econom	nic De	evelopn	nent		State: CA Sampling Point: 2	<u>5b</u>	
Investigator(s): KCV					Section, To	ownship, Range: <u>S 23, T9N, R8</u>		
Landform (hillslope, terrace, etc.): Hillslope				Loo	cal relief (cor	ncave, convex, none): <u>none</u> Slope	(%): <u>0</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.61	20866			Long: <u>-121.0685025</u> Datum: <u>NAE</u>) 83	
Soil Map Unit Name: Perkins gravelly loam, moderate	ely deep	varia	int, 2 to	o 30 per	cent slopes	NWI classification: Upland		
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No 🔲 (If no, explain in Remarks.)		
Are Vegetation , Soil , or Hydrology	🗆 sig	nifica	ntly dis	sturbed	? Are "	Normal Circumstances" present? Yes 🛛	No	
Are Vegetation , Soil , or Hydrology	🗆 nat	turally	/ proble	ematic?	lf ne	eded, explain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	pling	point	locations,	transects, important features, etc.		
Hydrophytic Vegetation Present?	Yes		No					
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Area within a Wetland? Yes 🗌	No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes				
Remarks:								
VEGETATION – Use scientific names of plants	5.							
Tree Stratum (Plot size:)	Absolute % Cove		Domin Specie		Indicator Status	Dominance Test Worksheet:		
1		_				Number of Dominant Species		(A)
2						That Are OBL, FACW, or FAC:		(A)
3						Total Number of Dominant		(B)
4						Species Across All Strata:		(D)
50% =, 20% =			= Tota	l Cover		Percent of Dominant Species		(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are OBL, FACW, or FAC:		()
1						Prevalence Index worksheet:		
2						Total % Cover of : <u>Multiply by</u>	<u>/:</u>	
3						OBL species x1 =		
4						FACW species x2 =		
5						FAC species x3 =		
50% =, 20% =			= Tota	I Cover		FACU species x4 =		
Herb Stratum (Plot size:)						UPL species x5 =		
1. <u>Verbascum thapsus</u>	<u>10</u>		<u>no</u>		FACU	Column Totals: (A)	(E	3)
2. <u>Erodium botrys</u>	<u>70</u>		<u>ves</u>		FACU	Prevalence Index = B/A =		
3						Hydrophytic Vegetation Indicators:		
4						Dominance Test is >50%		
5						Prevalence Index is $\leq 3.0^1$		
6						Morphological Adaptations ¹ (Provide support	ing	
7					—			
8						Problematic Hydrophytic Vegetation ¹ (Explain	1)	
50% =, 20% =	<u>80</u>		= Tota	l Cover		¹ Indicators of hydric soil and wetland hydrology must		
Woody Vine Stratum (Plot size:)						be present, unless disturbed or problematic.		
1					—			
2					—	Hydrophytic Yes	No	\boxtimes
50% =, 20% =				l Cover		Vegetation res	NU	
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust				
Remarks:								

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SOIL											Samp	oling Po	oint: <u>2</u>	<u>25b</u>
Profile Desci	rofile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)													
Depth	Mati	rix				Redox Features								
(inches)	Color (moist	t <u>)</u>	%	Co	lor (Mc	i <u>st) % Type</u>	<u>Lc</u>	bc^2	Textu	re <u>Remarks</u>				
<u>0-12</u>	<u>7.5YR 4/3</u>		100			<u> </u>			Clay-gra	avel				
		_												
		-												
		_				<u> </u>								
		_					_							
		_					_							
¹ Type: C= Co	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or Coated S	and Grains.	² Locatio	n: PL=Po	ore Lining, M=Matrix.				
						otherwise noted.)				cators for Problematic	Hydric	Soils ³ :		
Histoso				,		Sandy Redox (S5)				1 cm Muck (A9) (LRI				
_	pipedon (A2)					Stripped Matrix (S6)				2 cm Muck (A10) (LF	-			
_	listic (A3)					Loamy Mucky Mineral (F1)				Reduced Vertic (F18	-			
	en Sulfide (A4)					Loamy Gleyed Matrix (F2)				Red Parent Material	-			
_ ` `	ed Layers (A5) (I					Depleted Matrix (F3)				Other (Explain in Rei				
_	luck (A9) (LRR I	-				Redox Dark Surface (F6)					nantoj			
	ed Below Dark S		(Δ11)			Depleted Dark Surface (F7)							
_	ark Surface (A1		(ATT)			Redox Depressions (F8))							
										³ Indicators of hydropl				
Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4)						vemai Pools (F9)				wetland hydrology		•	it,	
,										unless disturbed	or proble	ematic.		
	ayer (if presen.	t):												
Type:							1 hours a			N	_	Na	N7	a
Depth (Inches	s):						Hydric	Soils Pre	sent?	Yes		No	X	4
Remarks:														
HYDROLO	GY													
	rology Indicate	ors:												
Primary Indica	ators (minimum	of one i	required	l; checł	c all tha	t apply)			Secor	ndary Indicators (2 or mo	ore requi	red)		
Surface	e Water (A1)					Salt Crust (B11)				Water Marks (B1) (Rive	rine)	-		
	/ater Table (A2))				Biotic Crust (B12)				Sediment Deposits (B2)	-	ne)		
_	tion (A3)					Aquatic Invertebrates (B13)		_	Drift Deposits (B3) (Rive	-	- /		
_	Marks (B1) (No i	nriverin	e)			Hydrogen Sulfide Odor (C				Drainage Patterns (B10	-			
	ent Deposits (B2		-	4		Oxidized Rhizospheres ald		ots (C3)		Dry-Season Water Table				
	eposits (B3) (No			,		Presence of Reduced Iron		010 (00)		Crayfish Burrows (C8)	0 (02)			
	• • • •		iic)					6)		Saturation Visible on Ae	rial Imac		2)	
Surface Soil Cracks (B6) Recent Iron Reduction in Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)								0)		Shallow Aquitard (D3)	inai imag	jery (C	5)	
			iagery (i	67)		Thin Muck Surface (C7)				FAC-Neutral Test (D5)				
	Stained Leaves	(69)				Other (Explain in Remarks	1			TAC-Neutral Test (D5)				
Field Observ		V	_	NI-	57	Depth (in the state)								
Surface Wate		Yes		No		Depth (inches):								
Water Table I		Yes		No	\boxtimes	Depth (inches):								
Saturation Pro (includes capit	illary fringe)	Yes		No	\boxtimes	Depth (inches):			nd Hydr	rology Present?	Yes		No	\boxtimes
Describe Rec	orded Data (stre	eam gau	uge, mo	nitoring	g well, a	aerial photos, previous inspec	tions), if avai	lable:						
Romarks ·														

Project Site: <u>SPTC-JPA</u>					City/Count	y: <u>Folsom</u>	/EI Dorado)	Samplir	ng Date:	12/19/	201	4
Applicant/Owner: <u>El Dorado County Department of</u>	Econom	ic De	evelopr	nent				e: <u>CA</u>	Samplin	ng Point:	26b		-
Investigator(s): KCV					Section, To	ownship, Ra	ange: <u>S 2</u>	3, T9N, R8E	-	-			
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, conv	ex, none):	none		Slo	oe (%):	2	
Subregion (LRR): <u>C</u>	Lat: <u>3</u>	8.61	329			Long:	-121.0710	<u>1</u>	D	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percen	t slo	pes					NWI classif	ication:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for this	s tim	e of ye	ar?	Yes 🛛	No	□ (If n	o, explain in Rer	marks.)				
Are Vegetation □, Soil □, or Hydrology	🔲 sigr	nifica	ntly dis	sturbed	? Are "	Normal Circ	cumstance	s" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗆 nati	urally	y proble	ematic?) (If ne	eded, expla	in any ans	swers in Remark	(S.)				
SUMMARY OF FINDINGS – Attach site map sh				-	locations,	transects	s, import	ant features,	etc.				
Hydrophytic Vegetation Present?	Yes		No								_		5-7
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	pled Area	within a V	Vetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks:													
VEGETATION – Use scientific names of plants													
Tree Stratum (Plot size:)	Absolute % Cover		Domin Specie		Indicator Status	Dominan	ce Test W	/orksheet:					
1		-			_	Number c	of Dominar	nt Species					(•)
2						That Are	OBL, FAC	W, or FAC:					(A)
3						Total Nun	nber of Do	minant					(D)
4						Species A	Across All	Strata:					(B)
50% =, 20% =			= Tota	l Cover		Percent o	f Dominan	t Species					(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are	OBL, FAC	W, or FAC:					(///////
1						Prevalen	ce Index v	worksheet:					
2							Total %	Cover of :		Multiply	<u>/ by:</u>		
3						OBL spec	ies			x1 =			
4						FACW sp	ecies			x2 =			
5						FAC spec	ies	<u>30</u>		x3 =	<u>90</u>		
50% =, 20% =			= Tota	l Cover		FACU spe	ecies			x4 =			
Herb Stratum (Plot size:)						UPL spec	ies	<u>60</u>		x5 =	<u>300</u>		
1. <u>Elymus caput-medusa</u>	<u>60</u>		<u>yes</u>		UPL	Column T	otals:	<u>90</u> (A)			<u>390</u> (I	B)	
2. <u>Rumex pulcher</u>	<u>30</u>		<u>yes</u>		FAC			Prevalence Ind	ex = B/A	= <u>4.3</u>			
3						Hydroph	ytic Veget	ation Indicator	s:				
4							Domina	nce Test is >50%	6				
5							Prevaler	nce Index is <u><</u> 3.0	D ¹				
6								ogical Adaptatio			orting		
7							data in F	Remarks or on a	separate	sheet)			
8							Problem	atic Hydrophytic	vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>90</u>		= Tota	l Cover		¹ Indiactor	o of hudrio	soil and wetlan	d bydrolog	m munt			
Woody Vine Stratum (Plot size:)								disturbed or prob		yy musi			
1													
2						Hydroph			Va-		NI		
50% =, 20% =				l Cover		Vegetation Present?			Yes		No		\boxtimes
% Bare Ground in Herb Stratum	% Co\	/er o	f Biotic	Crust		resent							
Remarks:													

US Army Corps of Engineers

SOIL													Samp	ling Po	int: <u>2</u>	26b
Profile Desc	ription: (Descri	be to th	ne depth	n neede	ed to d	ocument the indicato		firm the abs	sence o	f indica	itors.)					
Depth	Mat					Redox Feat		~								
<u>(inches)</u>	Color (moist	<u>t)</u>	<u>%</u>	Co	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textu		KS				
<u>0-12</u>	<u>5YR 4/4</u>		<u>100</u>		<u> </u>				_	<u>Clay-g</u>	avel					
		-							_							
—		-							_							
—		-							_							
		_							_							
1 <u>т о о</u>		<u> </u>						10 · 2	2							
	¹ Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :															
Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C)																
	Epipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10	-	-			
	Histic (A3)					Loamy Mucky Minera	al (F1)				Reduced Vertic (5)			
	gen Sulfide (A4)					Loamy Gleyed Matrix					Red Parent Mate		F2)			
	ed Layers (A5) (Depleted Matrix (F3)					Other (Explain in		,			
	luck (A9) (LRR	,				Redox Dark Surface						riteina	11(5)			
	ed Below Dark S		(A11)			Depleted Dark Surfa										
	Dark Surface (A1		(,,,,,)			Redox Depressions					2					
_	Mucky Mineral (-				Vernal Pools (F9)	()				³ Indicators of hydrol		•			
Sandy Gleyed Matrix (S4)											wetland hydrol unless distur		-		ι,	
	_ayer (if presen												1			
Type:		•														
Depth (Inche	s):							Hydric So	oils Pre	sent?	Ye	es		No	\boxtimes]
Remarks:																
	ov															
HYDROLO Wetland Hy	drology Indicate	ors:														
-	ators (minimum		required	· check	all that	t apply)				Seco	ondary Indicators (2 c	or more	requir	ed)		
· _ ·	e Water (A1)		ioquirou	, опоон		Salt Crust (B11)					Water Marks (B1) (I		-	04)		
	Vater Table (A2)					Biotic Crust (B12)					Sediment Deposits		-	e)		
_	ation (A3)					Aquatic Invertebrates	s (B13)				Drift Deposits (B3)			•,		
_	Marks (B1) (No	nriverin	ne)			Hydrogen Sulfide Oc					Drainage Patterns (-				
	ent Deposits (B2		-	`		Oxidized Rhizospher		Living Roots	s (C3)		Dry-Season Water		(C2)			
	eposits (B3) (No		-	,		Presence of Reduce	-	-	- ()		Crayfish Burrows (C		()			
	e Soil Cracks (E		,			Recent Iron Reduction	-				Saturation Visible o	-	al Imag	erv (CS))	
	ation Visible on A	,	nagery (E	B7)		Thin Muck Surface (()			Shallow Aquitard (D				,	
	-Stained Leaves		- J - J (,		Other (Explain in Re	-				FAC-Neutral Test (I					
Field Observ		. /				× F	- /			_						
Surface Wate		Yes	\boxtimes	No		Depth (inches):	<u>3</u>									
Water Table		Yes		No		Depth (inches):	0									
Saturation Pr									Watte	nd Uva	rology Procent?		Vee		No	
(includes cap		Yes		No		Depth (inches): erial photos, previous	<u>0</u> inspectio	ns) if availa		па пуб	rology Present?		Yes		NU	
Describe Rec		cani yal	uye, 1101	moning	wen, a	ional priotos, previous	nopectio	noj, ii availdi								

Project Site: SPTC-JPA					City/Count	ty: Folsom/El Dora	ado	Samplir	ng Date:	12/19	/201	4
Applicant/Owner: El Dorado County Department of	f Econom	ic De	evelopr	ment			ate: <u>CA</u>		ng Point:			—
Investigator(s): KCV					Section, To	ownship, Range:	<u>3 23, T9N, R8E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, convex, non	e): <u>none</u>		Slo	oe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.61	55405			Long: <u>-121.07</u>	<u>632138</u>	D	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes				NWI classifi	cation:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No 🔲 (li	f no, explain in Rem	narks.)				
Are Vegetation D, Soil D, or Hydrology	Sigi	nifica	antly dis	sturbed	? Are "	Normal Circumstan	ces" present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	nat nat	urall	y probl	ematic	? (If ne	eded, explain any a	answers in Remark	s.)				
SUMMARY OF FINDINGS - Attach site man sh	owing	e a m	nling	noint	locations	transacts imp	ortant foaturos	oto				
SUMMARY OF FINDINGS – Attach site map sh Hydrophytic Vegetation Present?	Yes		No		iocations,	transects, impo		510.				
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Area within a	a Wetland?		Yes		No	
Wetland Hydrology Present?	Yes	\boxtimes	No									
Remarks:												
VEGETATION – Use scientific names of plants	•											
Tree Stratum (Plot size:)	Absolute	e	Domin	ant	Indicator	Dominance Test	Worksheet					
	<u>% Cove</u>	<u>r</u>	Specie	es?	Status							
1 2						Number of Domir That Are OBL, FA						(A)
3						Total Number of I	Dominant					(D)
4						Species Across A	Il Strata:					(B)
50% =, 20% =			= Tota	I Cove		Percent of Domin						(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are OBL, FA	ACW, or FAC:					(AD)
1						Prevalence Inde	x worksheet:					
2						Total	8 Kover of :		Multiply	<u>y by:</u>		
3					. <u> </u>	OBL species			x1 =		_	
4					. <u> </u>	FACW species			x2 =		_	
5						FAC species			x3 =		-	
50% =, 20% =			= Tota	I Cove		FACU species			x4 =		_	
Herb Stratum (Plot size:)						UPL species			x5 =		_	
1. <u>Leontodon saxatillis</u>	<u>80</u>		<u>yes</u>		FACU	Column Totals:	(A)				_ (B)
2							Prevalence Index	: = B/A =				
3						Hydrophytic Veg	getation Indicators	5:				
4						Domii Domii	nance Test is >50%	D				
5						Preva	lence Index is <3.0) ¹				
6						- Morph	hological Adaptation	ns ¹ (Prov	ide supp	ortina		
7						data i	n Remarks or on a	separate	sheet)	5		
8							ematic Hydrophytic	Vegetati	ion ¹ (Exp	lain)		
50% =, 20% =	<u>80</u>		= Tota	l Cove			, , ,	Ū	· ·	,		
Woody Vine Stratum (Plot size:)							ric soil and wetland s disturbed or prob		gy must			
1						be present, unles	s distance of prop	iematic.				
2						Hydrophytic						
50% =, 20% =			= Tota	l Cove		Vegetation		Yes		No		\boxtimes
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Present?						
Remarks:												

US Army Corps of Engineers

	Project Site:	SPTC-JPA
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SOIL													Samp	ling Po	int: <u>2</u>	27b
Profile Desc	ription: (Descri	ibe to th	ne depth	n neede	ed to d	ocument the indicato		irm the abs	sence o	of indica	tors.)					
Depth	Mat	rix				Redox Featu										
<u>(inches)</u>	Color (moist	<u>t)</u>	<u>%</u>	Co	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textu	re	<u>Remarks</u>				
<u>0-12</u>	<u>5YR 4/4</u>		<u>100</u>						_	Clay-gr	avel	_				
		-							_			_				
		-							-			_				
		-							_			_				
		-										_				
				Dedue				d Croina 2			oro Lining M	Motrix				
						ix, CS=Covered or Cosocies of the state of t	ated San	d Grains.	Locatio		ore Lining, M icators for P		Hydric 9	Soile ³ .		
Histosc		Jiicabie		.nns, u		Sandy Redox (S5)						k (A9) (LRR	-			
	Epipedon (A2)					Stripped Matrix (S6)						k (A10) (LR	-			
	Histic (A3)					Loamy Mucky Minera	al (F1)					Vertic (F18)				
	en Sulfide (A4)					Loamy Gleyed Matrix						nt Material (TF2)			
_ `	ed Layers (A5) (LRR C)				Depleted Matrix (F3)						plain in Rem	,			
_	luck (A9) (LRR I	-				Redox Dark Surface				_	(
	ed Below Dark S		(A11)			Depleted Dark Surfa	. ,									
	Dark Surface (A1		· · /			Redox Depressions					31 11 1					
_	Mucky Mineral (Vernal Pools (F9)	. ,					s of hydroph d hydrology r	, ,			
□ Sandy	Gleyed Matrix (S4)										s disturbed o		•	.,	
Restrictive L	ayer (if presen	t):														
Type:																
Depth (Inches	s):							Hydric So	oils Pre	esent?		Yes		No	\boxtimes]
Remarks:																
HYDROLO	GY															
	Irology Indicate	ors:														
Primary Indic	ators (minimum	of one i	required	; check	all that	t apply)				Seco	ndary Indicat	ors (2 or mo	re requir	ed)		
Surfac	e Water (A1)					Salt Crust (B11)					Water Marks	6 (B1) (River	ine)			
🛛 🛛 High W	Vater Table (A2))				Biotic Crust (B12)					Sediment D	eposits (B2)	(Riverin	e)		
Satura Satura	tion (A3)					Aquatic Invertebrates	s (B13)				Drift Deposit	s (B3) (Rive	rine)			
□ Water	Marks (B1) (No	nriverin	ie)			Hydrogen Sulfide Od	or (C1)				Drainage Pa	tterns (B10)				
Sedim	ent Deposits (B2	2) (Non i	riverine)		Oxidized Rhizospher	es along	Living Roots	s (C3)		Dry-Season	Water Table	(C2)			
Drift D	eposits (B3) (No	onriveri	ne)			Presence of Reduce	d Iron (C4	4)			Crayfish Bu	rows (C8)				
Surfac	e Soil Cracks (E	36)				Recent Iron Reduction	on in Tille	d Soils (C6)			Saturation V	isible on Aer	ial Imag	ery (C	9)	
🔲 Inunda	ation Visible on A	Aerial Im	nagery (E	B7)		Thin Muck Surface (C7)				Shallow Aqu	itard (D3)				
Water-	Stained Leaves	(B9)				Other (Explain in Re	marks)				FAC-Neutra	Test (D5)				
Field Observ	vations:															
Surface Wate	er Present?	Yes	\boxtimes	No		Depth (inches):	<u>3</u>									
Water Table	Present?	Yes	\boxtimes	No		Depth (inches):	<u>0</u>									
Saturation Pr (includes cap	illary fringe)	Yes	\boxtimes	No		Depth (inches):	<u>0</u>			and Hyd	rology Pres	ent?	Yes	\boxtimes	No	
Describe Rec	corded Data (str	eam gau	uge, moi	nitoring	well, a	erial photos, previous	inspectio	ns), if availal	ble:							

Project Site: <u>SPTC-JPA</u>					City/Count	y: Folsom	/EI Dorado	Samp	ling Date:	12/19;	/201	4
Applicant/Owner: El Dorado County Department o	f Economi	c Dev	velopr	nent			State:		ing Point:			-
Investigator(s): KCV					Section, To	ownship, Ra	ange: <u>S 23.</u>	. T9N, R8E	-			
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	icave, conv	ex, none):	concave	Slo	pe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: <u>38</u>	8.615	59907			Long:	-121.077248	<u>32</u>	Datum: <u>N</u>	VAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percent	t slop	es					NWI classification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typi	cal for this	s time	of ye	ar?	Yes 🛛	No	☐ (If no,	explain in Remarks.)				
Are Vegetation , Soil , or Hydrology	🗌 sign	nificar	ntly dis	sturbed	? Are "l	Normal Cire	cumstances'	' present?	Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗌 natu	urally	proble	ematic?	? (If ne	eded, expla	ain any answ	vers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowing s	samp	oling	point	locations,	transects	s, importa	nt features, etc.				
Hydrophytic Vegetation Present?		⊠.	No									
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	pled Area	within a We	etland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No									
Remarks:												
VEGETATION – Use scientific names of plants	-											
Tree Stratum (Plot size:)	Absolute	. [Domin	ant	Indicator	Dominan	ce Test Wo	rksheet.				
	% Cover		Specie	es?	Status							
1 2.		-					of Dominant OBL, FACW					(A)
3.		-				Total Nur	nber of Dom	inant				
4.		_					Across All St					(B)
50% =, 20% =		=	= Tota	l Cover		Percent c	of Dominant	Species				
Sapling/Shrub Stratum (Plot size:)							OBL, FACW					(A/B)
1		_				Prevalen	ce Index wo	orksheet:				
2		_					Total % C	Cover of :	Multipl	<u>y by:</u>		
3		_				OBL spec	cies		x1 =		_	
4		_				FACW sp	ecies		x2 =		_	
5		_				FAC spec	cies		x3 =		_	
50% =, 20% =		=	= Tota	l Cover		FACU sp	ecies		x4 =		_	
Herb Stratum (Plot size:)						UPL spec	ies		x5 =		_	
1. <u>Festuca perennis</u>	<u>80</u>	7	/es		FAC	Column T	otals:	(A)			_ (B)
2		_					Pr	evalence Index = B/A :	=			
3		_				Hydroph		tion Indicators:				
4		_				\boxtimes	Dominanc	ce Test is >50%				
5		_					Prevalenc	e Index is <3.0 ¹				
6		_				_		 gical Adaptations ¹ (Pro	vide supr	ortina		
7		_					data in Re	emarks or on a separat	e sheet)	j		
8		_					Problema	tic Hydrophytic Vegeta	tion ¹ (Exc	olain)		
50% =, 20% =	<u>80</u>	=	= Tota	l Cover						,		
Woody Vine Stratum (Plot size:)								oil and wetland hydrol sturbed or problematic				
1		_				be preser	it, uniess uie	surbed of problematic.				
2		-				Hydroph	vtic					
50% =, 20% =		=	= Tota	l Cover		Vegetatio	on	Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Cov	er of	Biotic	Crust		Present?	•					
Remarks:												

US Army Corps of Engineers

SOIL												San	npling F	oint: 2	28b
Profile Desc	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)														
Depth	Mat	rix				Redox Feat									
<u>(inches)</u>	Color (moist	<u>t)</u>	<u>%</u>	Co	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textu		<u>s</u>			
<u>0-12</u>	<u>5YR 4/4</u>		<u>100</u>						_	<u>Clay-g</u>	ravel				
		-							_						
<u> </u>		-							_						
		-							_						
		-							_						
1 <u>Turner O. Or</u>				Deduc					21 + -						
						ix, CS=Covered or Co otherwise noted.)	ated San	d Grains.	Locatio		Pore Lining, M=Matrix.		Soile ³		
		Jiicabie		.nns, u		Sandy Redox (S5)					1 cm Muck (A9) (50115	•	
	Epipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10)	-			
	Histic (A3)					Loamy Mucky Miner					Reduced Vertic (F	-			
	gen Sulfide (A4)					Loamy Gleyed Matri					Red Parent Mater				
	ed Layers (A5) (LRR C)				Depleted Matrix (F3)					Other (Explain in	. ,			
	luck (A9) (LRR	,				Redox Dark Surface				_		,			
	ed Below Dark S		(A11)			Depleted Dark Surfa									
_	Dark Surface (A1		. ,			Redox Depressions					31				
_	Mucky Mineral ((S1)				Vernal Pools (F9)					³ Indicators of hydr wetland hydrolo		•		
□ Sandy	Gleyed Matrix (S4)									unless disturb				
Restrictive L	ayer (if presen	t):													
Туре:															
Depth (Inche	s):							Hydric So	oils Pre	sent?	Ye	s 🗌	No	\boxtimes	3
Remarks:															
HYDROLO	GY														
	drology Indicate	ors:													
Primary Indic	ators (minimum	of one i	required	; check	all that	t apply)				Seco	ondary Indicators (2 or	more requ	uired)		
Surfac	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (R	iverine)			
🛛 🛛 High V	Vater Table (A2))				Biotic Crust (B12)					Sediment Deposits (B2) (River	ine)		
Satura Satura	tion (A3)					Aquatic Invertebrate	s (B13)				Drift Deposits (B3) (F	Riverine)			
□ Water	Marks (B1) (No	nriverin	ıe)			Hydrogen Sulfide Od	dor (C1)				Drainage Patterns (E	310)			
Sedim Sedim	ent Deposits (B2	2) (Non i	riverine)		Oxidized Rhizosphe	res along	Living Root	s (C3)		Dry-Season Water T	able (C2)			
Drift D	eposits (B3) (Nc	onriveri	ne)			Presence of Reduce	d Iron (C	4)			Crayfish Burrows (Ca	8)			
Surfac	e Soil Cracks (E	36)				Recent Iron Reduction	on in Tille	d Soils (C6)			Saturation Visible on	Aerial Ima	agery (C	9)	
🔲 Inunda	ation Visible on A	Aerial Im	nagery (I	B7)		Thin Muck Surface (C7)				Shallow Aquitard (D3	3)			
U Water-	-Stained Leaves	(B9)				Other (Explain in Re	marks)				FAC-Neutral Test (D	5)			
Field Observ	vations:														
Surface Wate	er Present?	Yes	\boxtimes	No		Depth (inches):	<u>3</u>								
Water Table	Present?	Yes	\boxtimes	No		Depth (inches):	<u>0</u>								
Saturation Pr (includes cap	illary fringe)	Yes	\boxtimes	No		Depth (inches):	<u>0</u>			nd Hyd	Irology Present?	Yes		No	
Describe Rec	corded Data (str	eam gau	uge, mo	nitoring	well, a	erial photos, previous	inspectio	ns), if availa	ble:						

Project Site: <u>SPTC-JPA</u>					City/Count	ity: Fols	om/EI D	orado		Samplii	ng Date:	12/19	/201	4
Applicant/Owner: <u>El Dorado County Department of</u>	Econom	ic De	evelopr	ment				State:	CA	Samplir	ng Point:	29a		—
Investigator(s): KCV					Section, To	ownship	, Range:	<u>S 22.</u>	T9N, R8E	-	-			
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, c	onvex, n	one):	concave		Slop	oe (%):	1	
Subregion (LRR): <u>C</u>	Lat: 3	38.61	646			Long	g: <u>-121.</u>	07799		D	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	nt slo	opes						NWI classi	fication:	Seasona	I Wetla	nd	
Are climatic / hydrologic conditions on the site typic	cal for this	s tim	e of ye	ar?	Yes 🛛		lo □	(If no,	explain in Re	marks.)				
Are Vegetation □, Soil □, or Hydrology	🗌 sigi	nifica	ntly dis	sturbed	? Are "	"Normal	Circums	tances"	present?		Yes	\boxtimes	No	
Are Vegetation □, Soil □, or Hydrology	🗌 nat	urally	y probl	ematic	? (If ne	eeded, e	xplain ar	ny answ	ers in Remar	ks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nling	noint	locations	transe	octs im	norta	nt features	etc				
Hydrophytic Vegetation Present?	Yes		No		looutions,	, transe	,oto, ini	porta	in reatores,					
Hydric Soil Present?	Yes		No		Is the Sam	npled Ar	rea with	in a We	tland?		Yes		No	П
Wetland Hydrology Present?	Yes		No			•						_		_
Remarks:														
VEGETATION – Use scientific names of plants														
Tree Stratum (Plot size:)	Absolute	e	Domin	ant	Indicator	Domi	ance T	ost Wo	rksheet:					
	% Cove	<u>r</u>	Specie	es?	Status									
1 2.							er of Doi Are OBL,		Species , or FAC:					(A)
3.						Total	Number	of Dom	In ont					
4							es Acros							(B)
50% =, 20% =			= Tota	l Cove		Percer	nt of Dor	ninant \$	Species					
Sapling/Shrub Stratum (Plot size:)									, or FAC:					(A/B)
1						Preva	lence In	dex wo	orksheet:					
2							To	otal % C	Cover of :		Multiply	<u>/ by:</u>		
3						OBL s	pecies				x1 =		_	
4						FACW	/ species	6			x2 =		_	
5						FAC s	pecies				x3 =		_	
50% =, 20% =			= Tota	I Cove		FACU	species				x4 =		_	
Herb Stratum (Plot size:)						UPL s	pecies				x5 =		_	
1. <u>Festuco perennis</u>	<u>80</u>		<u>yes</u>		FAC	Colum	n Totals	:	(A)				_ (B)
2.								Pre	evalence Inde	x = B/A =				
3						Hydro	phytic \		ion Indicator					
4							Do	minanc	e Test is >50°	%				
5							Pre	evalenc	e Index is <3.	0 ¹				
6							Мс	rpholog	jical Adaptatio	ons ¹ (Prov	ide supp	orting		
7									marks or on a			-		
8							Pro	oblemat	ic Hydrophyti	c Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>80</u>		= Tota	l Cove		1								
Woody Vine Stratum (Plot size:)									oil and wetlan turbed or pro		gy must			
1									•					
2						Hydro	phytic							_
50% =, 20% =			= Tota	l Cove		Veget Prese	ation			Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Frese								
Remarks:														

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SOIL												Samp	ling Po	oint: <u>2</u>	<u>:9a</u>
Profile Desc	ription: (Descri	ibe to th	ne depth	h need	ed to d	locument the indicato	r or con	firm the abs	sence of	f indica	tors.)				
Depth	Mat	rix				Redox Featu	res								
(inches)	Color (moist	<u>t)</u>	<u>%</u>	<u>Co</u>	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	<u>Textu</u>	re <u>Remarks</u>				
<u>0-12</u>	<u>5YR 4/2</u>		<u>80</u>	<u> </u>	5YR 4/4	<u>4 20</u>	<u>D</u>	<u>M</u>		Clay-gr	avel				
		_							_						
		-							_						
		-							_						
		_							_						
		_							_						
¹ Type: C= Co	oncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or Coa	ated San	d Grains. 2	Locatior	n: PL=P	ore Lining, M=Matrix.				
Hydric Soil I	ndicators: (App	plicable	to all L	.RRs, ι	Inless	otherwise noted.)				Ind	icators for Problematic H	lydric \$	Soils ³ :		
Histoso	ol (A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10) (LRF	! B)			
Black H	listic (A3)					Loamy Mucky Minera	ıl (F1)				Reduced Vertic (F18)				
□ Hydrog	en Sulfide (A4)					Loamy Gleyed Matrix	(F2)				Red Parent Material (T	F2)			
□ Stratifie	ed Layers (A5) (LRR C)			\boxtimes	Depleted Matrix (F3)					Other (Explain in Rem	arks)			
🔲 1 cm M	luck (A9) (LRR I	D)				Redox Dark Surface	(F6)								
Deplete	ed Below Dark S	Surface	(A11)			Depleted Dark Surface	ce (F7)								
Thick D	Dark Surface (A1	12)				Redox Depressions (F8)				³ Indicators of hydrophy	tic voa	atation	and	
Sandy	Mucky Mineral ((S1)				Vernal Pools (F9)					wetland hydrology m	-			
Sandy	Gleyed Matrix (S4)									unless disturbed o		•	,	
Restrictive L	ayer (if presen.	t):													
Type:															
Depth (Inches	s):							Hydric So	oils Pres	sent?	Yes	\boxtimes	No		l
Remarks:								•							
HYDROLO	GY														
	Irology Indicate	ors:													
=	ators (minimum		required	l; checł	c all tha	t apply)				Seco	ndary Indicators (2 or more	e requir	ed)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (Riveri	ne)			
	Vater Table (A2))				Biotic Crust (B12)					Sediment Deposits (B2) (-	e)		
	tion (A3)					Aquatic Invertebrates	(B13)				Drift Deposits (B3) (River		•		
_	Marks (B1) (No	nriverin	ie)			Hydrogen Sulfide Od					Drainage Patterns (B10)	,			
	ent Deposits (B2		-)		Oxidized Rhizospher	. ,	Livina Roots	s (C3)		Dry-Season Water Table	(C2)			
	eposits (B3) (No		-	,		Presence of Reduced	-	-	- ()		Crayfish Burrows (C8)	(-)			
	e Soil Cracks (E		,			Recent Iron Reduction		,			Saturation Visible on Aeri	al Imao	erv (C	9)	
	tion Visible on A	-	nagery (I	B7)		Thin Muck Surface (0					Shallow Aquitard (D3)		, (,	
	Stained Leaves			,		Other (Explain in Rer	-				FAC-Neutral Test (D5)				
Field Observ		()								<u> </u>					
Surface Wate		Yes	\boxtimes	No		Depth (inches):	<u>3</u>								
Water Table I		Yes		No		Depth (inches):	<u>0</u>								
Saturation Pr	esent?	Yes		No		Depth (inches):	<u>0</u>		Wetla	nd Hvd	rology Present?	Yes	\boxtimes	No	
(includes cap						aerial photos, previous i		ne) if availa			5,				
Remarks ·		cani yal	.ye, mu		y well, c		inspectio	noj, ii availdi							

Project Site: <u>SPTC-JPA</u>					City/Count	y: Folsom/Sacramento	Sampling Date	e: 12/19	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment		State: CA	Sampling Poin	-		_
Investigator(s): KCV					Section, To	ownship, Range: <u>S 22, T9N, R8</u>	<u>BE</u>			
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, convex, none): <u>concave</u>	S	ope (%):	2	
Subregion (LRR): <u>C</u>	Lat: 3	38.61	64472			Long: <u>-121.0780105</u>	Datum:	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes			NWI c	lassification: Upland	<u>I</u>		
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No 🔲 (If no, explain i	n Remarks.)			
Are Vegetation , Soil , or Hydrology	🗌 sig	nifica	antly dis	sturbed	? Are "	Normal Circumstances" present	? Ye	s 🛛	No	
Are Vegetation , Soil , or Hydrology	🗆 nat	urall	y probl	ematic?) (If ne	eded, explain any answers in Re	emarks.)			
SUMMARY OF FINDINGS – Attach site map sh	owing	e 2 m	nling	noint	locations	transacts important foatu	uros oto			
Hydrophytic Vegetation Present?	Yes		No		iocations,	transects, important reatu	163, 610.			
Hydric Soil Present?	Yes		No		Is the Sam	pled Area within a Wetland?	Ye	s 🗆	No	\boxtimes
Wetland Hydrology Present?	Yes		No							_
Remarks:										
VEGETATION – Use scientific names of plants	Absolute	е	Domin	ant	Indicator	Dominance Test Worksheet:				
Tree Stratum (Plot size:)	% Cove	<u>r</u>	<u>Specie</u>	es?	<u>Status</u>	Dominance Test worksneet:				
1						Number of Dominant Species		_		(A)
2					—	That Are OBL, FACW, or FAC				
3						Total Number of Dominant Species Across All Strata:		_		(B)
4						-				
50% = , $20% = $)			= 10ta	al Cover		Percent of Dominant Species That Are OBL, FACW, or FAC		_		(A/B)
Sapling/Shrub Stratum (Plot size:)										
1			—			Prevalence Index worksheet		oly by:		
2 3.			—			<u>Total % Cover of :</u> OBL species	<u>Multi</u> x1 =	<u>oly by:</u>		
4.						FACW species	x1 = x2 =		_	
4 5.						FAC species	x2 = x3 =		_	
50% =, 20% =				l Cover		FACU species	x3 = x4 =		_	
			= 1018						-	
Herb Stratum (Plot size:)					54.011	UPL species	x5 =		- ,	
1. <u>Bromus hordeaceus</u>	<u>30</u>		<u>yes</u>		FACU		(A)		_ (B	.)
2. <u>Elymus caput-medusae</u>	<u>20</u>		<u>yes</u>		FACU		Index = B/A =			
3						Hydrophytic Vegetation Indi				
4						Dominance Test is				
5						Prevalence Index is	-			
6							ptations ¹ (Provide sup r on a separate sheet			
7			—			_	•			
8						Problematic Hydro	phytic Vegetation ¹ (E:	kplain)		
50% =, 20% =	<u>50</u>		= Tota	al Cover		¹ Indicators of hydric soil and w	etland hydrology mus	t		
Woody Vine Stratum (Plot size:)						be present, unless disturbed o				
1					—					
2					—	Hydrophytic	Yes 🗌	No		
50% =, 20% =				l Cover		Vegetation Present?		NO		\boxtimes
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	c Crust						
Remarks:										

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL															Samp	oling Po	oint: <u>2</u>	<u>9b</u>
Profile Desc	ription: (Descril	be to th	ne deptl	h need	ed to d	locument the	indicat	or or cont	firm the ab	osence	of indica	ators.)						
Depth	Matri	ix				Re	dox Feat											
<u>(inches)</u>	Color (moist)	<u>)</u>	<u>%</u>	<u>Co</u>	lor (Mo	<u>ist) %</u>	<u>6</u>	Type ¹	Loc	<u>c²</u>	Text	ure	Rer	<u>marks</u>				
<u>0-12</u>	<u>5YR 4/4</u>		<u>100</u>								<u>Clay-g</u>	ravel						
		-										— ·						
		-				·	_	<u> </u>										
—		-					_											
—		-					_											
17 0 0				<u> </u>						21			<u> </u>					
	oncentration, D=[bated San	d Grains.	Locati		Pore Linin licators f			Uvdria (Soilo ³		
	Indicators: (App	licable	to all L	.κκs, ι			-								-	50115 :		
Histoso	Epipedon (A2)					Sandy Rede Stripped Ma		\						A9) (LRR A10) (LR	-			
_	Histic (A3)					Loamy Muc								rtic (F18)	-			
	gen Sulfide (A4)					Loamy Gley	-							Material (
	ed Layers (A5) (L	RR C)				Depleted M								in in Rem	-			
	luck (A9) (LRR D	,				Redox Dark	-					Ouric			iuno)			
_	ed Below Dark S		(A11)			Depleted Da												
	Dark Surface (A1		(,,,,,,			Redox Dep						2						
_	Mucky Mineral (Vernal Pool		()						hydroph				
	Gleyed Matrix (S				-								-	drology r			ι,	
-	_ayer (if present																	
Type:		,																
Depth (Inche	s):								Hydric S	Soils Pr	esent?			Yes		No	\boxtimes	
Remarks:	·																	
	0.1																	
HYDROLO Wotland Hy	GY drology Indicato																	
-	ators (minimum		roquirod	l. chock	all tha	t apply)					Sec	ondary In	dicators	(2 or mo	ro roquii	(har		
	e Water (A1)		lequileu			Salt Crust (P11)					-		1) (River	-	eu)		
	Vater Table (A2)					Biotic Crust	-							sits (B2)	-	<u>(م</u>		
_	ation (A3)					Aquatic Inve		e (B13)						33) (Rive	-			
_	Marks (B1) (Nor	riverin))			Hydrogen S								ns (B10)	-			
	ent Deposits (B2		-	4		Oxidized Rh			Living Roc	ots (C3)		-		iter Table				
	eposits (B3) (No			,		Presence of		-	-			Crayfish			(02)			
	e Soil Cracks (B					Recent Iron				5)		-		le on Aer	rial Imag	erv (C	3)	
	ation Visible on A	'	nagery (B7)		Thin Muck S				,		Shallow			iai iniag		~)	
	-Stained Leaves			,		Other (Expl							eutral Te					
Field Observ		()			<u> </u>	(- p)					<u> </u>							
Surface Wate		Yes		No	\boxtimes	Depth ((inches):	_										
Water Table		Yes		No		-	(inches):											
Saturation Pr			_			-				Mot	land U.	Irology F	Procont	,	Yes		No	
(includes cap	oillary fringe) corded Data (stre	Yes		No		-	(inches):		no) if our "		апа пу	drology F	resent		162		NU	
Describe Rec	Jordeu Data (Stre	an ya	uye, 110	muonng	well, a		previous	mspection	nə), ii avalla	aule:								

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folso</u>	m/Sacra	amento	<u>,</u>	Sampli	ing Date:	12/19	9/201	4
Applicant/Owner: El Dorado County Department of	Economi	ic De	evelopr	ment			:	State:	CA	Sampli	ng Point:	<u>30a</u>		
Investigator(s): KCV					Section, To	ownship, F	Range:	<u>S 22.</u>	T9N, R8E	<u>.</u>				
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, cor	nvex, no	one): <u>c</u>	concave		Slo	pe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: <u>3</u>	8.61	7			Long:	<u>-121.0</u>	07871		C	Datum: <u>N</u>	NAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 percer	nt slo	opes						NWI cla	assification:	Seasona	al Wetla	and	
Are climatic / hydrologic conditions on the site typic	cal for this	s tim	e of ye	ar?	Yes 🛛	No		(If no,	explain in	Remarks.)				
Are Vegetation □, Soil □, or Hydrology	🗌 sigr	nifica	ntly dis	sturbec	? Are "	"Normal Ci	ircumsta	ances"	present?		Yes	\boxtimes	No	
Are Vegetation □, Soil □, or Hydrology	nati	urally	/ probl	ematic	? (If ne	eded, exp	lain any	y answ	ers in Ren	narks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	am	nlina	noint	locations	transoc	te imi	oortar	ot foatur	os otc				
Hydrophytic Vegetation Present?	Yes		No		locations,	, 11411300	,	Jontar	n reatur					
Hydric Soil Present?	Yes		No		Is the Sam	npled Are	a withiı	n a We	tland?		Yes		No	П
Wetland Hydrology Present?	Yes	\boxtimes	No			•						_		_
Remarks:		_	-											
VEGETATION – Use scientific names of plants														
Tree Stratum (Plot size:)	Absolute		Domin	nant	Indicator	Domina	ince Te	st Wo	ksheet:					
	% Cover	<u>r</u>	Specie	es?	Status									
1 2.						Number That Are			Species , or FAC:					(A)
3.														
4.						Total Nu Species								(B)
50% =, 20% =			= Tota	al Cove	r	Percent	of Dom	inant S	Snecies					
Sapling/Shrub Stratum (Plot size:)									or FAC:					(A/B)
1						Prevale	nce Inc	lex wo	rksheet:					
2							Tot	tal % C	over of :		Multipl	<u>y by:</u>		
3						OBL spe	ecies				x1 =		_	
4						FACW s	species				x2 =		_	
5						FAC spe	ecies				x3 =		_	
50% =, 20% =			= Tota	al Cove	r	FACU s	pecies				x4 =		_	
Herb Stratum (Plot size:)						UPL spe	ecies				x5 =		_	
1. <u>Festuca perennis</u>	<u>80</u>		ves		FAC	Column	Totals:		(/	A)			_ (B	(ئ
2. <u>Hordeum marinum</u>	<u>20</u>		ves		FAC				valence li	ndex = B/A =				
3.	_					Hydrop	hytic V		ion Indica					
4.							-	-	e Test is >					
5.							Pre	valence	e Index is	$< 3.0^{1}$				
6										tations ¹ (Prov	vide supr	ortina		
7							data	a in Re	marks or c	on a separate	e sheet)	orang		
8							Prol	blemat	ic Hydropł	nytic Vegetat	tion ¹ (Exp	olain)		
50% =, 20% =	<u>100</u>		= Tota	al Cove	r					, ,		,		
Woody Vine Stratum (Plot size:)										tland hydrolo problematic.	ogy must			
1						20 01000								
2						Hydrop	hytic					_		
50% =, 20% =			= Tota	al Cove	r	Vegetat	ion			Yes	\boxtimes	No)	
% Bare Ground in Herb Stratum	% Cov	/er o	f Biotic	c Crust		Present	17							
Remarks:														

US Army Corps of Engineers

SOIL												Samp	ling Po	oint: <u>3</u>	<u>80a</u>			
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)																		
Depth Matrix						Redox Feat	ures											
(inches) Color (moist) %			<u>%</u>	<u>Co</u>	olor (Mc	<u>ist) %</u>	Type ¹	Loc ²	-	Textu	ire <u>Remarks</u>							
<u>0-12 5YR 4/1 80</u>				ł	5YR 4/3	<u>3 20</u>	D	M		<u>Clay-gr</u>	avel							
									_									
<u> </u>								_										
								_										
		_							_									
¹ Type: C= Co	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or Co	ated San	d Grains. 2	Locatior	n: PL=P	ore Lining, M=Matrix.							
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :																		
Histoso	l (A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR	C)						
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10) (LRR	B)						
Black H	istic (A3)					Loamy Mucky Miner	al (F1)				Reduced Vertic (F18)							
	en Sulfide (A4)					Loamy Gleyed Matri					Red Parent Material (T	F2)						
	d Layers (A5) (LRR C)			\boxtimes	Depleted Matrix (F3)					Other (Explain in Rema	-						
_	uck (A9) (LRR	. ,				Redox Dark Surface						- /						
	d Below Dark S		(A11)			Depleted Dark Surfa	. ,											
			(,,,,,)			Redox Depressions	. ,				<u>,</u>							
 Thick Dark Surface (A12) Sandy Mucky Mineral (S1) 						Vernal Pools (F9)	(10)				³ Indicators of hydrophy	•						
	•	. ,									wetland hydrology m			it,				
Sandy Gleyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (if present): Image: Comparison of the sector of th																		
	ayer (ii presen	ity.																
Type:							Hudria S	nilo Drov	+2	Yes	\boxtimes	No		1				
Depth (Inches	<i></i>							Hydric So	JIIS FIE									
Remarks:																		
HYDROLOG	GΥ																	
	rology Indicat	ors:																
Primary Indica	ators (minimum	of one i	required	; checł	< all tha	t apply)				Seco	ondary Indicators (2 or more	e requir	ed)					
Surface	Water (A1)					Salt Crust (B11)				Water Marks (B1) (Riverine)								
	ater Table (A2))				Biotic Crust (B12)					Sediment Deposits (B2) (I	-	e)					
_	ion (A3)	,				Aquatic Invertebrate	erine)											
	Marks (B1) (No	nriverin	ne)			Hydrogen Sulfide Oc					- /							
	ent Deposits (B)		Oxidized Rhizospher		Living Root	s (C3)		(C2)							
	eposits (B3) (N o	, .		,		Presence of Reduce	-	-		Dry-Season Water Table (C2) Crayfish Burrows (C8)								
	e Soil Cracks (E					Recent Iron Reduction		,				uration Visible on Aerial Imagery (C9)						
	tion Visible on <i>i</i>	-	agery (F	B7)		Thin Muck Surface (u 0013 (00)		_		arinnag		5)				
	Stained Leaves		iagery (i	57)		Other (Explain in Re			 Shallow Aquitard (D3) FAC-Neutral Test (D5) 									
		5 (D9)					marks)				FAC-Neuliar rest (D3)							
Field Observ		V		NI-	_	Depth (bester)	2											
Surface Wate		Yes		No		Depth (inches):	<u>2</u>											
Water Table F		Yes	\boxtimes	No		Depth (inches):	<u>0</u>											
Saturation Present? Yes No (includes capillary fringe)						Depth (inches):	<u>0</u>			nd Hyd	rology Present?	Yes	\boxtimes	No				
Describe Rec	orded Data (str	eam gau	uge, moi	nitoring	g well, a	erial photos, previous	inspectio	ns), it availa	ble:									
Remarks:																		

Project Site: <u>SPTC-JPA</u>					City/Count	ty: Fol	som/Sa	acramen	to	Samplii	ng Date:	12/19	/201	4
Applicant/Owner: El Dorado County Department o	f Economi	c De	evelopm	nent	-			State	: <u>CA</u>	Samplir	ng Point:	30b		_
Investigator(s): KCV					Section, To	ownship	o, Rang	ge: <u>S 22</u>	2, T9N, R8E					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, c	convex,	, none):	none		Slop	be (%):	<u>2</u>	
Subregion (LRR): <u>C</u>	Lat: 3	8.61	69903			Lon	g: <u>-12</u>	21.07873	362	D	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percent	t slo	pes						NWI classif	ication:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typi	cal for this	time	e of yea	ar?	Yes 🛛		No 🗆	(If no	o, explain in Rei	marks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sign	ifica	ntly dis	turbed	? Are "	'Normal	Circun	nstances	s" present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗌 natu	urally	/ proble	matic?	(If ne	eeded, e	explain	any ans	wers in Remark	(s.)				
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.														
Hydrophytic Vegetation Present?			No		iocations,	, trans	ecis, i	mporta	ant reatures,	eic.				
Hydric Soil Present?			No		Is the Sam	npled A	rea wi	thin a W	letland?		Yes		No	
Wetland Hydrology Present?		Yes □ No ⊠ Is the Sampled Area within a Wetland? Yes □ No ⊠										_		
Remarks:		_		- 1										
VEGETATION – Use scientific names of plants <u>Tree Stratum</u> (Plot size:)	Absolute		Domina	ant	Indicator	Domi	nanco	Toet W	orksheet:					
	<u>% Cover</u>		Specie	<u>s?</u>	Status	Donn	nance	ICSI W	UIRSHEEL.					
1 2.									t Species N, or FAC:					(A)
3.														
4.								er of Dor oss All S						(B)
50% =, 20% =			= Total	Cover		Perce	ent of D	ominant	t Species					
Sapling/Shrub Stratum (Plot size:)									N, or FAC:					(A/B)
1						Preva	alence	Index w	orksheet:					
2								Total %	Cover of :		Multiply	<u>/ by:</u>		
3						OBL	species	6			x1 =		_	
4						FACV	V speci	ies			x2 =		_	
5						FAC s	species	6	<u>20</u>		x3 =	<u>60</u>		
50% =, 20% =			= Total	Cover		FACL	J specie	es	<u>70</u>		x4 =	<u>280</u>		
Herb Stratum (Plot size:)						UPL s	species	6			x5 =		_	
1. <u>Festuca perennis</u>	<u>20</u>		<u>yes</u>		FAC	Colun	nn Tota	als:	<u>90</u> (A)			<u>340</u> (B)	
2. <u>Erodium botrys</u>	<u>70</u>		<u>ves</u>		FACU				Prevalence Ind	ex = B/A	= <u>3.8</u>			
3						Hydro	ophytic	c Vegeta	ation Indicator	s:				
4								Dominan	ice Test is >50%	6				
5							F	Prevalen	ice Index is <3.0	D ¹				
6									ogical Adaptatic		ide supp	orting		
7							c	data in R	emarks or on a	separate	sheet)	0		
8							F	Problema	atic Hydrophytic	vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>90</u>		= Total	Cover		1								
Woody Vine Stratum (Plot size:)									soil and wetlan isturbed or prot		gy must			
1														
2						Hydro	ophytic	C			_			_
50% =, 20% =			= Total	Cover			tation			Yes		No		\boxtimes
% Bare Ground in Herb Stratum	% Cov	er o	f Biotic	Crust		Frese	711L f							
Remarks:														

US Army Corps of Engineers

Project Site: S	SPTC-JPA
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SOIL												Samp	ling Po	int: <u>3</u>	30 <u>b</u>			
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)																		
Depth	Mat	rix				Redox Featur	es											
(inches) Color (moist) % Col				olor (Mc	<u>ist) %</u>	Type ¹	Loc ²		<u>Textu</u>	re <u>Remarks</u>								
<u>0-12</u> <u>7.5YR 4/4</u> <u>100</u>								_	Clay-gra	avel								
									_									
									_									
								_										
		_							_									
		_							_									
¹ Type: C= Co	ncentration, D=	Depletio	on, RM=	Reduc	ed Mat	rix, CS=Covered or Coa	ted Sand	d Grains. ² l	Locatior	n: PL=P	ore Lining, M=Matrix.							
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :																		
□ Histosol (A1) □ Sandy Redox (S5)									1 cm Muck (A9) (LRR C)									
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10) (LRF	R B)						
Black H	listic (A3)					Loamy Mucky Mineral	(F1)				Reduced Vertic (F18)	-						
	en Sulfide (A4)					Loamy Gleyed Matrix					Red Parent Material (1	F2)						
, ,	d Layers (A5) (Depleted Matrix (F3)	()				Other (Explain in Rem							
	uck (A9) (LRR	. ,				Redox Dark Surface (F6)			_		,						
	ed Below Dark S		(A11)			Depleted Dark Surface	,											
· _ ·	ark Surface (A	(/ () /)			Redox Depressions (F					<u>^</u>								
_	Mucky Mineral				Vernal Pools (F9)	0)				³ Indicators of hydrophy	-							
	-										wetland hydrology n			t,				
Sandy Gleyed Matrix (S4) unless disturbed or problem Restrictive Layer (if present): Image: Comparison of the second sec												matic.						
	ayer (il preser	ity.																
Type:							Hydric So	ile Drog	cont?	Yes		No	\boxtimes	1				
Depth (Inches						Hyune 30	nis Fies	Senti	163		NU							
Remarks:																		
HYDROLOG	GY																	
Wetland Hyd	rology Indicat	ors:																
Primary Indica	ators (minimum	of one	required	l; checł	k all tha	t apply)				Seco	ndary Indicators (2 or mor	e requir	ed)					
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (Riveri	ne)						
🔲 High W	/ater Table (A2)				Biotic Crust (B12)				Sediment Deposits (B2) (Riverine)								
_	tion (A3)					Aquatic Invertebrates	(B13)			Drift Deposits (B3) (Riverine)								
_	Marks (B1) (No	nriverir	ne)			Hydrogen Sulfide Odd				 Drainage Patterns (B10) 								
_	ent Deposits (B)		Oxidized Rhizosphere		Livina Roots	s (C3)	Dry-Season Water Table (C2)								
	eposits (B3) (N			,		Presence of Reduced		0	()	Crayfish Burrows (C8)								
			,			Recent Iron Reduction		,		Saturation Visible on Aerial Imagery (C9)								
Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)						Thin Muck Surface (C			armag		')							
	Stained Leaves		nagory (i	2.,		Other (Explain in Rem	,		Shallow Aquitard (D3)FAC-Neutral Test (D5)									
Field Observ																		
Surface Wate		Voc		No	\boxtimes	Depth (inches):												
		Yes				• • • •												
Water Table F		Yes		No	\boxtimes	Depth (inches):												
Saturation Present? Yes No X (includes capillary fringe)						Depth (inches):									\boxtimes			
Describe Rec	orded Data (str	eam ga	uge, mo	nitoring	g well, a	erial photos, previous ir	spectior	ns), it availab	ole:									
Remarks:																		

Project Site: <u>SPTC-JPA</u>					City/Count	nty: Fols	om/Sacra	amento	Samp	ling Date:	12/19	/201	4
Applicant/Owner: <u>El Dorado County Department o</u>	-			State: CA	A Samp	Sampling Point: 31			_				
Investigator(s): KCV					Section, To	Township	, Range:	<u>S 22, T9</u>	<u>N, R8E</u>				
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	oncave, c	onvex, no	one): <u>non</u>	e	Slo	pe (%):	2	
Subregion (LRR): <u>C</u>	Lat: 3	38.61	75			Lon	g: <u>-121.(</u>	07931		Datum: <u>N</u>	NAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes					١	WI classification:	Upland			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ear?	Yes 🛛	1 2	10 🗆	(If no, exp	blain in Remarks.)				
Are Vegetation □, Soil □, or Hydrology	🗌 sig	nifica	antly di	sturbed	? Are "	"Normal	Circumst	ances" pre	esent?	Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗆 nat	urall	y probl	ematic	? (If ne	eeded, e	xplain an	y answers	in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.													
Hydrophytic Vegetation Present?	Yes	sam ⊠	No		locations,	s, transe	ects, im	portant f	eatures, etc.				
Hydric Soil Present?	Yes		No		Is the Sam	mnled A	ea withi	n a Wetlaı	nd?	Yes		No	
Wetland Hydrology Present?	Yes □ No ⊠ Is the Sampled Area within a Wetland? Yes ⊠ No □								100				
	105		NO										
Remarks:													
VEGETATION – Use scientific names of plants	S. Absolute	e	Domir	nant	Indicator								
Tree Stratum (Plot size:)	% Cove		Specie		Status	Domi	nance Te	est Works	heet:				
1								ninant Spe					(A)
2						That A	Are OBL,	FACW, or	FAC:				()
3								of Dominar					(B)
4						Specie	es Across	s All Strata					
50% =, 20% =			= Tota	al Cove	r			ninant Spe					(A/B)
Sapling/Shrub Stratum (Plot size:)								FACW, or					
1						Preva		dex works					
2								tal % Cove	<u>er of :</u>	Multipl	<u>y by:</u>		
3							pecies			x1 =		-	
4	<u> </u>		<u> </u>				/ species			x2 =		-	
5							pecies	<u> </u>		x3 =		-	
50% =, 20% =			= Tota	al Cove	r		species			x4 =		-	
Herb Stratum (Plot size:)						UPL s	pecies	-		x5 =		-	
1. <u>Festuca perennis</u>	<u>80</u>		<u>ves</u>		<u>FAC</u>	Colum	n Totals:		(A)			_ (B	
2			<u> </u>					Preval	lence Index = B/A	=			
3						Hydro	phytic V	egetation	Indicators:				
4							Dor	minance T	est is >50%				
5							Pre	valence In	ldex is <u><</u> 3.0¹				
6									I Adaptations ¹ (Pro		orting		
7							data	a in Rema	rks or on a separa	te sheet)			
8							Pro	blematic H	hydrophytic Vegeta	ation ¹ (Exp	olain)		
50% =, 20% =	<u>80</u>		= Tota	al Cove	r	1							
Woody Vine Stratum (Plot size:)									and wetland hydrol bed or problematic				
1							,						
2						Hvdro	phytic						
50% =, 20% =			= Tota	al Cove	r	Veget	ation		Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	c Crust		Prese	nt?						
Remarks:													

US Army Corps of Engineers

SOIL												Samp	ling Po	oint: <u>3</u>	31 <u>b</u>
Profile Desci	ription: (Descri	be to th	e depth	n need	ed to d	ocument the indicato	r or con	firm the abs	ence of	f indicat	ors.)				
Depth	Matr	rix				Redox Featu	res								
(inches)	Color (moist	<u>t)</u>	<u>%</u>	Co	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²		<u>Textur</u>	e <u>Remarks</u>				
<u>0-12</u>	<u>7.5YR 4/3</u>		<u>100</u>						_	Clay-gra	ivel				
		_							-						
		_							_						
		_							_						
		-							_						
		_							_						
¹ Type: C= Co	ncentration, D=	Depletio	n, RM=	Reduce	ed Mat	rix, CS=Covered or Coa	ted San	d Grains. 2	Locatior		ore Lining, M=Matrix.				
Hydric Soil I	ndicators: (App	olicable	to all L	RRs, u	inless	otherwise noted.)				Indi	cators for Problematic H	lydric \$	Soils ³ :		
Histoso	l (A1)					Sandy Redox (S5)					1 cm Muck (A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10) (LRF	R B)			
Black H	listic (A3)					Loamy Mucky Minera	l (F1)				Reduced Vertic (F18)				
Hydrog	en Sulfide (A4)					Loamy Gleyed Matrix	(F2)				Red Parent Material (1	ΓF2)			
Stratifie	ed Layers (A5) (I	LRR C)				Depleted Matrix (F3)					Other (Explain in Rem	arks)			
□ 1 cm M	uck (A9) (LRR I	D)				Redox Dark Surface	(F6)								
Deplete	ed Below Dark S	Surface ((A11)			Depleted Dark Surface	e (F7)								
Thick D	ark Surface (A1	2)				Redox Depressions (F8)				³ Indicators of hydrophy	/tic vea	etation	and	
Sandy I	Mucky Mineral (S1)				Vernal Pools (F9)					wetland hydrology n	-			
Sandy 🛛	Gleyed Matrix (S	S4)									unless disturbed o	r proble	matic.		
Restrictive L	ayer (if presen	t):													
Туре:															
Depth (Inches	s):							Hydric So	oils Pres	sent?	Yes		No	\boxtimes]
Remarks:															
HYDROLOG	GY														
	rology Indicate	ors:													
Primary Indica	ators (minimum	of one r	equired	; check	all tha	t apply)				Secor	ndary Indicators (2 or mor	e requir	ed)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (Riveri	ne)			
🖾 🛛 High W	/ater Table (A2)					Biotic Crust (B12)					Sediment Deposits (B2) (Riverin	e)		
Saturat	tion (A3)					Aquatic Invertebrates	(B13)				Drift Deposits (B3) (River	ine)			
U Water	Marks (B1) (No i	nriverin	e)			Hydrogen Sulfide Od	or (C1)				Drainage Patterns (B10)				
Sedime	ent Deposits (B2	2) (Nonr	iverine)		Oxidized Rhizospher	es along	Living Roots	s (C3)		Dry-Season Water Table	(C2)			
Drift De	eposits (B3) (No	onriverir	ne)			Presence of Reduced	I Iron (C	4)			Crayfish Burrows (C8)				
Surface	e Soil Cracks (B	86)				Recent Iron Reductio	n in Tille	ed Soils (C6)			Saturation Visible on Aeri	al Imag	ery (CS	9)	
🔲 Inunda	tion Visible on A	Aerial Im	agery (E	37)		Thin Muck Surface (0	(7)				Shallow Aquitard (D3)	-		-	
□ Water-	Stained Leaves	(B9)				Other (Explain in Rer	narks)				FAC-Neutral Test (D5)				
Field Observ	ations:					·					. /				
Surface Wate		Yes	\boxtimes	No		Depth (inches):	<u>2</u>								
Water Table F		Yes	\boxtimes	No		Depth (inches):	0								
Saturation Pro	esent?	Yes		No		Depth (inches):	<u>0</u>		Wetla	nd Hydr	ology Present?	Yes		No	
		eam dau	ige, moi	nitorina	well. a	erial photos, previous i	nspectio	ns), if availat	ble:						
Bomorko		3.0	5.,		,, c		-1	,,	-						

Project Site: <u>SPTC-JPA</u>					City/Count	y: Folsom	/Sacrament	o Samplii	ng Date:	12/19/	201	4
Applicant/Owner: El Dorado County Department o	f Economi	ic De	velopm	nent			State:		g Point:			_
Investigator(s): KCV					Section, To	wnship, Ra	ange: <u>S 22</u>	<u>, T9N, R8E</u>				
Landform (hillslope, terrace, etc.): Hillslope				Loc	cal relief (con	icave, conv	ex, none):	concave	Slo	oe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: <u>3</u>	8.61	77444			Long:	-121.07957	<u>55</u> D	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percen	it slop	<u>bes</u>					NWI classification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typi	cal for this	s time	e of yea	ar?	Yes 🛛	No	□ (If no,	explain in Remarks.)				
Are Vegetation , Soil , or Hydrology	□ sigr	nifica	ntly dis	turbed	? Are "I	Normal Circ	umstances'	present?	Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🔲 nati	urally	proble	matic?	(If ne	eded, expla	iin any ansv	vers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowina s	samı	plina	point	locations.	transects	s. importa	nt features. etc.				
Hydrophytic Vegetation Present?	Yes	\boxtimes	No				<i>·</i> •					
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	pled Area	within a We	etland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No									
Remarks:												
VEGETATION – Use scientific names of plants												
Tree Stratum (Plot size:)	Absolute)	Domina	ant	Indicator	Dominan	ce Test Wo	rkshoot.				
	% Cover	<u> </u>	Specie	<u>s?</u>	Status	Dominan		i KSHEEL.				
1		-					f Dominant OBL, FACW					(A)
2		-										
3		-					nber of Dom Across All St					(B)
4 50% =, 20% =		-	= Total	Cover		-						
Sapling/Shrub Stratum (Plot size:)			- 10141	Cover			f Dominant OBL, FACW					(A/B)
1.							ce Index w					
2.		-				Tievalein		Cover of :	Multiply	v bv:		
3.		-				OBL spec			x1 =	<u>, Dy.</u>		
4.		-				FACW sp			x2 =		-	
5.		-				FAC spec			x3 =		-	
50% = , 20% =		-	= Total	Cover		FACU spe			x4 =		-	
Herb Stratum (Plot size:)				0010		UPL spec			x5 =		-	
1. <u>Festuca perennis</u>	<u>70</u>	,	VAS		FAC			(A)	X0 =		- (B	`
	<u>70</u>		<u>yes</u>		<u>1 AC</u>	Column T						
2		-			—	Undranks		evalence Index = B/A = tion Indicators:				
3		-				nyaropn <u>y</u>		ce Test is >50%				
		-										
5		-						e Index is <u><</u> 3.0 ¹				
6		-			—		Morpholo data in Re	gical Adaptations ¹ (Prov emarks or on a separate	ide supp sheet)	orting		
7		-				_						
8		-	T	•			Problema	tic Hydrophytic Vegetati	on' (Exp	lain)		
50% =, 20% =	<u>70</u>	:	= Total	Cover		¹ Indicator	s of hydric s	oil and wetland hydrolog	av must			
Woody Vine Stratum (Plot size:)								sturbed or problematic.				
1		-			—							
2		-	T-4-1	0	<u> </u>	Hydrophy		Yes	\boxtimes	No		
50% =, 20% =	0/ 0		= Total			Vegetatic Present?		105	لاع			
% Bare Ground in Herb Stratum	% Cov	/er of	Biotic	Crust	[
Remarks:												

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL														Samp	ling Po	oint: <u>3</u>	32b
Profile Descr	iption: (Descril	be to th	e depth	n need	ed to d	ocument the indicate	r or con	firm the abs	ence o	of indicat	ors.)						
Depth	Matri	ix				Redox Feat	ures										
(inches)	Color (moist)	<u>)</u>	%	Co	olor (Moi	<u>st) %</u>	Type ¹	Loc ²		Textu	re	<u>Remar</u>	<u>ks</u>				
<u>0-12</u>	<u>7.5YR 4/3</u>		100						_	Clay-gra	avel						
		_							_								
									_								
									_								
									_								
		_							_								
¹ Type: C= Co	ncentration, D=[Depletio	n, RM=	Reduc	ed Matr	ix, CS=Covered or Co	ated San	d Grains. 2	Locatio	n: PL=P	ore Lining,	M=Matrix	κ.				
Hydric Soil Ir	dicators: (App	licable	to all L	RRs, ι	unless d	otherwise noted.)					cators for			ydric \$	Soils ³ :		
Histoso	(A1)					Sandy Redox (S5)					1 cm N	luck (A9)	(LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm N	luck (A10) (LRR	в)			
Black H	istic (A3)					Loamy Mucky Miner	al (F1)				Reduce	ed Vertic	(F18)				
Hydroge	en Sulfide (A4)					Loamy Gleyed Matri	k (F2)				Red Pa	arent Mate	erial (T	F2)			
	d Layers (A5) (L	RR C)				Depleted Matrix (F3)					Other (Explain ir	n Rema	arks)			
_	uck (A9) (LRR D))				Redox Dark Surface								,			
_	d Below Dark S		A11)			Depleted Dark Surfa											
	ark Surface (A1		,			Redox Depressions					2						
	Aucky Mineral (-				Vernal Pools (F9)	()					ors of hydro		-			
	Gleved Matrix (S	,										and hydro Iess distu			•	τ,	
,	ayer (if present	,									um		500 0	proble	matio.		
Type:		.) .															
Depth (Inches):							Hydric So	oils Pre	sent?		Y	es		No	\boxtimes	1
Remarks:	,																
HYDROLOG																	
-	rology Indicato									_							
	ators (minimum	of one r	equired	; checł							ndary Indic	cators (2 d	or more	e requi	red)		
Surface	e Water (A1)					Salt Crust (B11)					Water Ma	rks (B1) (Riveri	ne)			
🖾 High W	ater Table (A2)					Biotic Crust (B12)					Sediment	Deposits	(B2) (I	Riverin	e)		
Saturat	ion (A3)					Aquatic Invertebrates	s (B13)				Drift Depo	sits (B3)	(River	ine)			
Water N	Marks (B1) (Nor	nriverin	e)			Hydrogen Sulfide Oc	lor (C1)				Drainage	Patterns	(B10)				
Sedime	ent Deposits (B2) (Nonr	iverine))		Oxidized Rhizosphere	es along	Living Roots	s (C3)		Dry-Seaso	on Water	Table	(C2)			
Drift De	eposits (B3) (No	nriverir	ne)			Presence of Reduce	d Iron (C	4)			Crayfish E	Burrows (C	C8)				
Surface	e Soil Cracks (B	6)				Recent Iron Reduction	on in Tille	d Soils (C6)			Saturation	visible o	n Aeria	al Imag	ery (C	9)	
Inundat	tion Visible on A	erial Im	agery (E	37)		Thin Muck Surface (C7)				Shallow A	quitard (E	03)				
□ Water-S	Stained Leaves	(B9)				Other (Explain in Re	marks)				FAC-Neut	ral Test (D5)				
Field Observ	ations:																
Surface Wate	r Present?	Yes	\boxtimes	No		Depth (inches):	<u>3</u>										
Water Table F	Present?	Yes	\boxtimes	No		Depth (inches):	<u>0</u>										
Saturation Pre		Yes	\boxtimes	No		Depth (inches):	0		Wetla	and Hydr	ology Pre	esent?		Yes	\boxtimes	No	
(includes capi						erial photos, previous	-	ns) if availat			_,				_		
Describe Reco					,, a	sinai priotos, providus		, ii uvunat									
Describe Reco Remarks:		an gaa	•				•										

Project Site: <u>SPTC-JPA</u>					City/Count	y: <u>Folso</u>	m/Sacram	nento	Samplir	ng Date:	<u>12/19</u>	/201	4
Applicant/Owner: El Dorado County Department of	f Economi	ic De	velopn	nent			St	ate: <u>CA</u>	Samplin	g Point:	<u>33b</u>		
Investigator(s): KCV					Section, To	ownship, l	Range: S	<u> 22, T8, R1</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (con	ncave, cor	nvex, non	e): <u>concave</u>		Slo	pe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: <u>3</u>	8.62	19694			Long:	<u>-121.08</u>	4 <u>3861</u>	Da	atum: <u>N</u>	JAD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percen	it slo	<u>pes</u>					NWI class	ification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for this	s time	e of yea	ar?	Yes 🛛	No	• □ (It	f no, explain in Re	emarks.)				
Are Vegetation \Box , Soil \Box , or Hydrology	□ sigr	nifica	ntly dis	sturbed	? Are "I	Normal C	ircumstan	ces" present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	natu	urally	v proble	ematic?	e (If ne	eded, exp	olain any a	answers in Remar	ks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowing	sam	pling	point	locations.	transec	ts, impo	ortant features	, etc.				
Hydrophytic Vegetation Present?	Yes	\boxtimes	No						-				
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	pled Are	a within a	a Wetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks:													
VEGETATION – Use scientific names of plants	s.												
Tree Stratum (Plot size:)	Absolute % Cover		Domin Specie		Indicator Status	Domina	ance Test	Worksheet:					
1	<u>/// COVCI</u>	-		<u>,,, , , , , , , , , , , , , , , , , , </u>		Number	r of Domin	ant Species					
2								CW, or FAC:					(A)
3						Total Nu	umber of I	Dominant					
4						Species	Across A	II Strata:					(B)
50% =, 20% =			= Tota	I Cover		Percent	of Domin	ant Species					(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are	e OBL, FA	CW, or FAC:					(A/D)
1						Prevale	ence Inde	x worksheet:					
2							<u>Total</u>	% Cover of :		Multiply	<u>y by:</u>		
3						OBL sp				x1 =		_	
4						FACW	species			x2 =		-	
5						FAC sp	ecies			x3 =		-	
50% =, 20% =			= Tota	I Cover		FACU s	pecies			x4 =		-	
Herb Stratum (Plot size:)						UPL spe	ecies			x5 =		_	
1. <u>Festuca perennis</u>	<u>70</u>		<u>yes</u>		<u>FAC</u>	Column	Totals:	(A)				_ (B)
2								Prevalence Inde	ex = B/A =				
3						Hydrop	hytic Veg	etation Indicato	rs:				
4						\boxtimes	Domir	nance Test is >50	%				
5							Preva	lence Index is <u><</u> 3	.0 ¹				
6								nological Adaptati			orting		
7							data i	n Remarks or on a	a separate	sheet)			
8							Proble	ematic Hydrophyti	c Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>70</u>		= Tota	I Cover		1							
Woody Vine Stratum (Plot size:)								ric soil and wetlar s disturbed or pro		gy must			
1								1 -					
2						Hydrop	hytic			_			_
50% =, 20% =			= Tota	I Cover		Vegetat	tion		Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Cov	/er of	f Biotic	Crust		FIESEN							
Remarks:													

US Army Corps of Engineers

SOIL														Sam	oling Po	oint: <u>3</u>	<u>33b</u>
Profile Descr	iption: (Descril	be to th	ne depth	n need	led to d	ocument the indicato	r or con	firm the abs	ence o	of indica	tors.)						
Depth	Matr	ix				Redox Feat	ires										
(inches)	Color (moist)	%	Co	olor (Moi	<u>st) %</u>	Type ¹	Loc ²		Textu	re	Rem	<u>narks</u>				
<u>0-12</u>	<u>7.5YR 4/3</u>		<u>100</u>						_	<u>Clay-gr</u>	avel						
		_							_								
		_							_								
		_							_								
		_							_								
		_							_								
¹ Type: C= Co	ncentration, D=I	Depletio	n, RM=	Reduc	ed Matr	ix, CS=Covered or Co	ated San	d Grains. 2	Locatio	n: PL=P	ore Lining	g, M=Ma	atrix.				
Hydric Soil Ir	dicators: (App	licable	to all L	RRs, u	unless d	otherwise noted.)					icators fo			Hydric	Soils ³ :		
Histoso	(A1)					Sandy Redox (S5)					1 cm	Muck (A	9) (LRI	R C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm	Muck (A	(10) (LF	RB)			
Black H	istic (A3)					Loamy Mucky Minera	al (F1)				Redu	ced Ver	tic (F18)			
Hydroge	en Sulfide (A4)					Loamy Gleyed Matrix	(F2)				Red F	Parent M	laterial	(TF2)			
	d Layers (A5) (L	RR C)				Depleted Matrix (F3)	. ,				Other	(Explai	n in Rei	narks)			
_	uck (A9) (LRR [)				Redox Dark Surface	(F6)							,			
_	d Below Dark S	-	(A11)			Depleted Dark Surfa											
	ark Surface (A1		()			Redox Depressions					2						
	Aucky Mineral (Vernal Pools (F9))							nytic veg			
	Gleved Matrix (S	,												must be or proble	•	it,	
,	ayer (if present	,									ŭ	neee an	starboa		inatio.		
Type:		. <i>,</i> .															
Depth (Inches):							Hydric So	oils Pre	sent?			Yes		No	\boxtimes	3
Remarks:	,																
HYDROLOG																	
-	rology Indicato									_							
	ators (minimum	of one r	required	; checl							ndary Ind	icators	(2 or mo	ore requi	red)		
Surface	e Water (A1)					Salt Crust (B11)					Water M	arks (B1	I) (Rive	rine)			
🖾 High W	ater Table (A2)					Biotic Crust (B12)					Sedimer	t Depos	sits (B2)	(Riverir	ne)		
Saturat	ion (A3)					Aquatic Invertebrates	s (B13)				Drift Dep	osits (B	3) (Rive	erine)			
Water N	Marks (B1) (Nor	nriverin	e)			Hydrogen Sulfide Oc	or (C1)				Drainage	Patterr	ns (B10)			
Sedime	ent Deposits (B2	2) (Nonr	viverine))		Oxidized Rhizospher	es along	Living Roots	s (C3)		Dry-Sea	son Wat	er Tabl	e (C2)			
Drift De	eposits (B3) (No	nriverir	ne)			Presence of Reduce	d Iron (C	4)			Crayfish	Burrows	s (C8)				
Surface	e Soil Cracks (B	6)				Recent Iron Reduction	n in Tille	d Soils (C6)			Saturatio	on Visibl	e on Ae	rial Imag	ery (C	9)	
Inundat	tion Visible on A	erial Im	agery (E	B7)		Thin Muck Surface (27)				Shallow	Aquitaro	d (D3)				
□ Water-S	Stained Leaves	(B9)				Other (Explain in Re	narks)				FAC-Ne	utral Tes	st (D5)		<u>.</u>		
Field Observ	ations:																
Surface Wate	r Present?	Yes	\boxtimes	No		Depth (inches):	<u>3</u>										
Water Table F	Present?	Yes	\boxtimes	No		Depth (inches):	<u>0</u>										
Saturation Pre		Yes	\boxtimes	No		Depth (inches):	0		Wetla	and Hyd	rology P	resent?		Yes	\boxtimes	No	
(includes capi	iiary tringe)					,	-				3,				_		
	orded Data (stre	am dau	Ide mo	nitoring	n well a	erial photos previous	nspectio	ns) if availar	ble.								
	orded Data (stre	eam gau	uge, moi	nitorinę	g well, a	erial photos, previous	nspectio	ns), if availab	DIE:								

Project Site: <u>SPTC-JPA</u>					City/Count	: Folsom/Sacramento Sampling Date: <u>12/19/201</u>	4
Applicant/Owner: El Dorado County Department of	f Economi	ic De	evelopi	ment		State: CA Sampling Point: 34b	
Investigator(s): KCV					Section, To	wnship, Range: <u>S 22, T8, R1</u>	
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	cave, convex, none): <u>concave</u> Slope (%): <u>0</u>	
Subregion (LRR): <u>C</u>	Lat: <u>3</u>	8.62	27011	-		Long: <u>-121.0852196</u> Datum: <u>NAD 83</u>	
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percen	nt slo	pes			NWI classification: Upland	
Are climatic / hydrologic conditions on the site typi	cal for this	s tim	e of ye	ear?	Yes 🛛	No 🔲 (If no, explain in Remarks.)	
Are Vegetation , Soil , or Hydrology	□ sigr	nifica	ntly di	sturbed	? Are "l	Normal Circumstances" present? Yes 🛛 No	
Are Vegetation □, Soil □, or Hydrology	natu	urally	/ probl	ematic?	? (If ne	eded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nlina	noint	locations	transacts important faaturas atc	
Hydrophytic Vegetation Present?	Yes		No		locations,		
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	pled Area within a Wetland? Yes 🗌 No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No				
Remarks:							
VEGETATION – Use scientific names of plants	5.						
<u>Tree Stratum</u> (Plot size:)	Absolute		Domir		Indicator	Dominance Test Worksheet:	
1.	% Cover	<u>r</u>	Specie	es <u>?</u>	<u>Status</u>	Number of Dominant Species	
2						That Are OBL, FACW, or FAC:	(A)
3						Total Number of Dominant	
4						Species Across All Strata:	(B)
50% =, 20% =			= Tota	al Cover		Percent of Dominant Species	
Sapling/Shrub Stratum (Plot size:)						That Are OBL, FACW, or FAC:	(A/B)
1						Prevalence Index worksheet:	
2						Total % Cover of : Multiply by:	
3						OBL species x1 =	
4						FACW species x2 =	
5						FAC species x3 =	
50% =, 20% =			= Tota	al Cover		FACU species x4 =	
Herb Stratum (Plot size:)						UPL species x5 =	
1. <u>Festuca perennis</u>	<u>50</u>		<u>yes</u>		FAC	Column Totals: (A) (B)
2. <u>Rumex crispa</u>	<u>30</u>		<u>yes</u>		FAC	Prevalence Index = B/A =	
3						Hydrophytic Vegetation Indicators:	
4						Dominance Test is >50%	
5						Prevalence Index is $\leq 3.0^1$	
6						Morphological Adaptations ¹ (Provide supporting	
7						data in Remarks or on a separate sheet)	
8						Problematic Hydrophytic Vegetation ¹ (Explain)	
50% =, 20% =	<u>80</u>		= Tota	al Cover		4	
Woody Vine Stratum (Plot size:)						¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1						· · · · · · · · · · · · · · · · · · ·	
2						Hydrophytic	_
50% =, 20% =			= Tota	al Cover		Vegetation Yes 🛛 No	
% Bare Ground in Herb Stratum	% Cov	ver o	f Biotic	c Crust		Present?	
Remarks:							

US Army Corps of Engineers

SOIL													Sampl	ing Poir	nt: <u>3</u> 4	4 <u>b</u>
Profile Descr	iption: (Describ	be to th	e depth	neede	ed to d	ocument the indicator	r or conf	irm the abs	ence of in	ndicat	tors.)					
Depth	Matri	x				Redox Featu	res									
(inches)	Color (moist)	<u>)</u>	<u>%</u>	Col	lor (Mo	<u>ist) %</u>	Type ¹	Loc ²]	Textu	<u>re Rer</u>	<u>marks</u>				
<u>0-12</u>	<u>5YR 3/1</u>	-	<u>100</u>						-	Clay	<u> </u>					
<u> </u>		_							-							
		_							-							
		_							-							
—		-							-							
									-							
		-				ix, CS=Covered or Coa	ted Sand	Grains. 2	Location: F		ore Lining, M=M			2		
		licable	to all Ll	RRs, u		otherwise noted.)				_	icators for Prob			oils':		
Histoso						Sandy Redox (S5)					1 cm Muck (-			
_	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (≀B)			
_	listic (A3)					Loamy Mucky Minera					Reduced Ve					
	en Sulfide (A4)					Loamy Gleyed Matrix	(F2)				Red Parent I	-	-			
	d Layers (A5) (L	,				Depleted Matrix (F3)					Other (Expla	in in Rem	arks)			
1 cm M	uck (A9) (LRR D))				Redox Dark Surface	(F6)									
Deplete	d Below Dark S	urface (A11)			Depleted Dark Surfac	e (F7)									
Thick D	ark Surface (A1	2)				Redox Depressions (F8)				³ Indicators of	hydrophy	tic vege	tation a	nd	
Sandy I	Mucky Mineral (S	S1)				Vernal Pools (F9)					wetland hy	drology m	iust be p	oresent,		
Sandy (Gleyed Matrix (S	54)									unless d	isturbed o	r probler	natic.		
Restrictive L	ayer (if present):														
Type:																
Depth (Inches	s):							Hydric So	oils Preser	nt?		Yes		No	\boxtimes	
Remarks:																
HYDROLOG	ΞY															
	rology Indicato	rs:														
Primary Indica	ators (minimum o	of one re	equired;	check	all that	t apply)			:	Seco	ndary Indicators	(2 or more	e require	ed)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B	1) (Riveri	ne)			
🖾 🛛 High W	ater Table (A2)					Biotic Crust (B12)					Sediment Depo	sits (B2) (Riverine	e)		
Saturat	tion (A3)					Aquatic Invertebrates	(B13)				Drift Deposits (E	33) (River	ine)			
U Water I	Marks (B1) (Non	riverin	e)			Hydrogen Sulfide Od	or (C1)				Drainage Patter	ns (B10)				
Sedime	ent Deposits (B2) (Nonri	iverine)			Oxidized Rhizosphere	es along	Living Roots	s (C3)		Dry-Season Wa	ter Table	(C2)			
Drift De	eposits (B3) (No	nriverin	ne)			Presence of Reduced	Iron (C4	.)			Crayfish Burrow	/s (C8)				
Surface	e Soil Cracks (B	6)	-			Recent Iron Reductio	n in Tilleo	d Soils (C6)			Saturation Visib	le on Aeri	al Image	ery (C9)		
🔲 Inunda	tion Visible on A	erial Im	agery (E	37)		Thin Muck Surface (C	(7	. ,			Shallow Aquitar	d (D3)	Ū			
□ Water-	Stained Leaves	(B9)				Other (Explain in Ren	narks)				FAC-Neutral Te	st (D5)				
Field Observ							,									
Surface Wate	r Present?	Yes	\boxtimes	No		Depth (inches):	<u>2</u>									
Water Table F		Yes		No		Depth (inches):	<u>0</u>									
Saturation Pre	esent?	Yes		No		Depth (inches):	<u>0</u>		Wetland	Hydi	rology Present?	?	Yes		No	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: US Army Corps of Engineers

Project Site: <u>SPTC-JPA</u>					City/Count	unty: <u>F</u>	olsom	/Sacram	nento	Samplir	ng Date:	12/19	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment				St	ate: <u>CA</u>	Samplin	g Point:	<u>35b</u>		
Investigator(s): KCV					Section, To	Towns	hip, Ra	ange: <u>S</u>	<u>5 22, T9N8, R8E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	oncave	e, conv	ex, non	e): <u>concave</u>		Slo	pe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: 3	8.62	30196			L	ong:	121.08	<u>56291</u>	D	atum: <u>N</u>	AD 83		
Soil Map Unit Name: Argonaut-Auburn complex, 3 to	8 percer	nt slo	pes						NWI classi	fication:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	\boxtimes	No	□ (It	f no, explain in Re	marks.)				
Are Vegetation , Soil , or Hydrology	🗌 sigi	nifica	ntly di	sturbed	? Are "	e "Norn	nal Circ	umstan	ices" present?		Yes	\boxtimes	No	
Are Vegetation , Soil , or Hydrology	🗆 nat	urally	y probl	ematic?	? (If ne	needec	l, expla	in any a	answers in Remar	ks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nlina	noint	locations	e tra	socte	imne	ortant foaturos	oto				
Hydrophytic Vegetation Present?	Yes		No		locations,	5, ii ai	136613	, impe	fitant reatures,	610.				
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	amplec	Area	within a	a Wetland?		Yes	п	No	
Wetland Hydrology Present?	Yes		No									_		_
Remarks:		_	-	_										
VEGETATION – Use scientific names of plants	Absolute	Э	Domin	ant	Indicator			T 4	Manlah ast.					
Tree Stratum (Plot size:)	% Cove	<u>r</u>	Specie		Status	Do	minan	ce lest	Worksheet:					
1					·				hant Species					(A)
2					·	Ina	at Are t	JDL, F <i>F</i>	ACW, or FAC:					
3									Dominant All Strata:					(B)
4					<u> </u>									
50% =, 20% =			= 10ta	al Cover					ant Species ACW, or FAC:					(A/B)
Sapling/Shrub Stratum (Plot size:)														
1						Pre	evalen		x worksheet:					
2									<u>8 Cover of :</u>		Multiply	<u>y dy:</u>		
3							L spec				x1 =		-	
4 5.							CW sp				x2 =		-	
			Tata	Cover			C spec				x3 =		-	
50% =, 20% =			= 101a	I Cover			CU spe				x4 =		-	
Herb Stratum (Plot size:)						UP	L spec	ies			x5 =			
1. <u>Festuca perennis</u>	<u>50</u>		<u>yes</u>		<u>FAC</u>	Co	lumn T	otals:	(A)				_ (B	
2									Prevalence Inde					
3						-	_ · ·		getation Indicato					
4							\boxtimes	Domir	nance Test is >50	%				
5								Preva	llence Index is <u><</u> 3.	.0 ¹				
6					<u> </u>				hological Adaptatio			orting		
7								uala I	n Remarks or on a	a separate	sneet)			
8								Proble	ematic Hydrophyti	c Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>50</u>		= Tota	l Cover		¹ In	dicator	e of hyd	Iric soil and wetlar	d hydrolog	ny muet			
Woody Vine Stratum (Plot size:)									s disturbed or pro		gy musi			
1					<u> </u>	<u> </u>								
2							drophy			Vac		NI		-
50% =, 20% =				l Cover			getatio esent?			Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust										
Remarks:														

US Army Corps of Engineers

SOIL													Sam	pling Po	oint: <u>3</u>	35b
Profile Desci	ription: (Descr	ibe to th	e depth	need	led to d	ocument the indicato	r or cont	firm the abs	sence o	f indicat	ors.)					
Depth	Mat	rix				Redox Featu	ires									
(inches)	Color (mois	<u>t)</u>	%	C	olor (Mo	<u>st) %</u>	Type ¹	Loc ²		Textu	re	<u>Remarks</u>				
<u>0-12</u>	<u>7.5YR 4/3</u>		<u>100</u>						_	Clay-gra	avel	_				
		_							_							
		_							_							
		_							_							
		_							_							
		_							_							
¹ Type: C= Co	ncentration, D=	Depletic	on, RM=F	Reduc	ed Matr	ix, CS=Covered or Coa	ated San	d Grains. 2	Locatio	n: PL=P	ore Lining, I	M=Matrix.				
Hydric Soil I	ndicators: (Ap	plicable	to all LI	RRs,	unless	otherwise noted.)					cators for		ic Hydric	Soils ³ :		
Histoso	l (A1)					Sandy Redox (S5)					1 cm Mu	uck (A9) (LF	RR C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Mu	uck (A10) (L	RR B)			
Black H	listic (A3)					Loamy Mucky Minera	al (F1)				Reduce	d Vertic (F1	8)			
Hydrog	en Sulfide (A4)					Loamy Gleyed Matrix	: (F2)				Red Par	rent Materia	al (TF2)			
□ Stratifie	d Layers (A5) ((LRR C)				Depleted Matrix (F3)					Other (E	Explain in R	emarks)			
□ 1 cm M	uck (A9) (LRR	D)				Redox Dark Surface	(F6)									
Deplete	ed Below Dark S	Surface ((A11)			Depleted Dark Surfa	ce (F7)									
_	ark Surface (A		. ,			Redox Depressions (F8)				31					
	Mucky Mineral					Vernal Pools (F9)						ors of hydro nd hydrolog				
_	Gleyed Matrix (S4)										ess disturbe		•	,	
	ayer (if presen	-														
Type:		-														
Depth (Inches	s):							Hydric So	oils Pre	sent?		Yes		No	\boxtimes	3
Remarks:								•								
	2)/															
HYDROLOO Wetland Hyd		or:::														
-	rology Indicat		oquirod:	. ohoo	k oll the	(apply)				Saaa	adon (India	otoro (2 or n	ooro rogu	irod)		
	ators (minimum		equirea,	, chec							ndary Indica			lieu)		
_	e Water (A1)	`				Salt Crust (B11)					Water Mark		-	>		
	/ater Table (A2))				Biotic Crust (B12)	(0.40)					Deposits (B2		ne)		
	tion (A3)					Aquatic Invertebrates	. ,				-	its (B3) (Ri	-			
	Marks (B1) (No		-			Hydrogen Sulfide Od			()		-	atterns (B1	-			
	ent Deposits (B		-)		Oxidized Rhizospher	-	-	s (C3)		-	n Water Tal	ole (C2)			
	eposits (B3) (No		ne)			Presence of Reduce		-			Crayfish Bu					
	e Soil Cracks (E					Recent Iron Reduction		d Soils (C6)				Visible on A	erial Ima	gery (C	9)	
	tion Visible on <i>i</i>		agery (E	37)		Thin Muck Surface (Shallow Aq					
	Stained Leaves	s (B9)				Other (Explain in Rei	narks)				FAC-Neutra	al Test (D5)				
Field Observ			_		_											
Surface Wate		Yes		No		Depth (inches):	<u>3</u>									
Water Table I		Yes	\boxtimes	No		Depth (inches):	<u>0</u>									
Saturation Pro (includes capital		Yes	\boxtimes	No		Depth (inches):	<u>0</u>		Wetla	nd Hydi	ology Pres	sent?	Yes	\boxtimes	No	
		eam gau	uge, mor	nitorin	g well, a	erial photos, previous i	nspectio	ns), if availat	ble:							
Remarks:																
	ps of Engineers	6										A	rid West -	- Versio	n 2.0	

Project Site: <u>SPTC-JPA</u>					City/Count	r: Folsom/El Dorado Sampling Date: <u>12/23/201</u>	4
Applicant/Owner: El Dorado County Department o	f Economi	ic De	evelopi	ment	-	State: <u>CA</u> Sampling Point: <u>36a</u>	_
Investigator(s): KCV					Section, To	wnship, Range: <u>S 25, T9N, R8E</u>	
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	cave, convex, none): <u>concave</u> Slope (%): <u>2</u>	
Subregion (LRR): <u>C</u>	Lat: <u>3</u>	8.60	19			Long: -121.05797 Datum: NAD 83	
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 percer	nt slo	opes			NWI classification: Seasonal Wetland	
Are climatic / hydrologic conditions on the site typi	cal for this	s time	e of ye	ear?	Yes 🛛	No 🔲 (If no, explain in Remarks.)	
Are Vegetation , Soil , or Hydrology	□ sigr	nifica	ntly di	sturbec	? Are "	lormal Circumstances" present? Yes 🛛 No	
Are Vegetation D, Soil D, or Hydrology	nati	urally	/ probl	ematic	? (If ne	eded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map sh	owina	sam	nlina	noint	locations	transacts important faaturas atc	
Hydrophytic Vegetation Present?	Yes		No		looutions,		
Hydric Soil Present?	Yes		No		Is the Sam	oled Area within a Wetland? Yes 🛛 No	П
Wetland Hydrology Present?	Yes		No				
Remarks:							
VEGETATION – Use scientific names of plants	S. Absolute	<i>i</i>	Domir	nant	Indicator		
Tree Stratum (Plot size:)	% Cover		Specie		<u>Status</u>	Dominance Test Worksheet:	
1						Number of Dominant Species	(A)
2						That Are OBL, FACW, or FAC:	()
3						Total Number of Dominant	(B)
4						Species Across All Strata:	()
50% =, 20% =			= Tota	al Cove	r	Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are OBL, FACW, or FAC:	. ,
1						Prevalence Index worksheet:	
2						Total % Cover of : Multiply by:	
3						OBL species $\underline{5}$ $x1 = \underline{5}$	
4					—	FACW species 10 $x^2 = 20$	
5						FAC species $\frac{75}{225}$ x3 = $\frac{225}{225}$	
50% =, 20% =			= Tota	al Cove	r	FACU species 20 $x4 = 80$	
Herb Stratum (Plot size:)						UPL species x5 =	
1. <u>Festuca perennis</u>	<u>70</u>		<u>yes</u>		<u>FAC</u>	Column Totals: <u>110</u> (A) <u>330</u> (B)	
2. <u>Hordeum marinum</u>	<u>5</u>		<u>no</u>		<u>FAC</u>	Prevalence Index = $B/A = 3$	
3. <u>Juncus tenuis</u>	<u>10</u>		<u>no</u>		FACW	Hydrophytic Vegetation Indicators:	
4. Lythrum hyssopifolia	<u>5</u>		<u>no</u>		<u>OBL</u>	Dominance Test is >50%	
5. <u>Hordeum marium</u>	<u>5</u>		<u>no</u>		FAC	Prevalence Index is $\leq 3.0^1$	
6. <u>Erodium botrys</u>	<u>20</u>		<u>yes</u>		FACU	Morphological Adaptations ¹ (Provide supporting	
7						data in Remarks or on a separate sheet)	
8						Problematic Hydrophytic Vegetation ¹ (Explain)	
50% =, 20% =	<u>110</u>		= Tota	al Cove	r		
Woody Vine Stratum (Plot size:)						¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1							
2						Hydrophytic	
50% =, 20% =			= Tota	al Cove	r	Vegetation Yes 🖂 No	
% Bare Ground in Herb Stratum	% Cov	ver of	f Biotic	c Crust		Present?	
Remarks:							

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL	-													Sam	oling Poin	t: <u>36a</u>
Profi	le Descr	iption: (Describe to	the depth r	needed to d	ocument	the ind	icator or cor	nfirm the	absence o	of indica	ators.)					
De	epth	Matrix				Redox	Features									
<u>(inc</u>	<u>ches)</u>	Color (moist)	<u>%</u>	Color (Mo	ist)	<u>%</u>	Type ¹	1	Loc ²	Text	ure	Rer	narks			
<u>C</u>	<u>)-6</u>	<u>10YR 4/2</u>	<u>90</u>	<u>10YR 4/</u>	<u>3</u>	<u>10</u>	<u>D</u>		<u>M</u>	<u>Cla</u>	<u>iy</u>					
_								_								
_								_								
								-								
								-								
								_								
¹ Type	e: C= Cor	ncentration, D=Deple	etion, RM=Re	educed Matr	ix, CS=Co	overed c	or Coated Sa	nd Grains	 ²Locatio 	n: PL=F	Pore Lining	g, M=M	atrix.			
Hydri	ic Soil In	dicators: (Applicat	ole to all LRI	Rs, unless (-				dicators fo	or Prob	lematic	Hydric	Soils ³ :	
	Histosol	(A1)			Sandy R	Redox (S	S5)				1 cm	Muck (/	49) (LR	RC)		
	-	pipedon (A2)			Stripped	Matrix	(S6)						410) (LF	-		
		istic (A3)			-	-	/lineral (F1)						rtic (F18	,		
	, ,	en Sulfide (A4)			-	-	Matrix (F2)					Parent N	Material	(TF2)		
		d Layers (A5) (LRR (C)	\boxtimes	Depleted		. ,				Other	r (Expla	in in Re	marks)		
	1 cm Mu	uck (A9) (LRR D)			Redox D	Dark Su	rface (F6)									
	Deplete	d Below Dark Surfac	e (A11)		Depleted	d Dark S	Surface (F7)									
	Thick Da	ark Surface (A12)			Redox D	Pepress	ions (F8)				³ Indic	ators of	hydrop	hytic veg	etation ar	nd
	Sandy N	lucky Mineral (S1)			Vernal F	Pools (F	9)				wet	tland hy	drology	must be	present,	
	-	Bleyed Matrix (S4)									u	nless di	sturbed	or proble	ematic.	
Restr	rictive La	ayer (if present):														
Type:		hard layer												_		_
	n (Inches): <u>6</u>						Hydri	c Soils Pre	sent?			Yes	\boxtimes	No	
Rema	arks:															
нур	ROLOG	av.														
		ology Indicators:														
	•	itors (minimum of on	e required; c	heck all that	t apply)					Sec	ondary Ind	licators	(2 or m	ore requi	red)	
	Surface	Water (A1)			Salt Cru	st (B11))				Water M	arks (B	1) (Rive	rine)	,	
		ater Table (A2)			Biotic Cr						Sedimer		<i>,</i> ,		ne)	
\boxtimes	Saturat	ion (A3)			Aquatic	Invertet	orates (B13)				Drift Dep	-		-		
		/larks (B1) (Nonrive	rine)		•		le Odor (C1)				Drainage	•	<i>,</i> .			
		nt Deposits (B2) (No					spheres alon		Roots (C3)		Dry-Sea			,		
		posits (B3) (Nonrive	-				duced Iron (C				Crayfish					
		Soil Cracks (B6)					duction in Till	,	(C6)		Saturatio			erial Imag	ery (C9)	
	Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)							·	. ,		Shallow				/	
										_		•				

Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes \boxtimes No Depth (inches): 1 \boxtimes Water Table Present? Yes Depth (inches): No <u>0</u> Saturation Present? Wetland Hydrology Present? \boxtimes Yes \boxtimes Yes No Depth (inches): <u>0</u> No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: US Army Corps of Engineers

Project Site: <u>SPTC-JPA</u>				Citv/Count	ty: Folsom/EI Do	orado	Samplir	ng Date:	12/23	/201	4
Applicant/Owner: El Dorado County Department of	f Economic	Develop	ment			State: CA	Samplin	-			-
Investigator(s): KCV				Section, To		<u>S 25, T9N, R8E</u>					
Landform (hillslope, terrace, etc.): Hillslope			Lo		ncave, convex, no			Slo	pe (%):	<u>2</u>	
Subregion (LRR): <u>C</u>	Lat: 38.0	6019174	<u>1</u>		Long: <u>-121.(</u>	0579414	D	atum: <u>N</u>	AD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 percent :	slopes				NWI class	ification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typi	cal for this ti	me of ye	ear?	Yes 🛛	No 🔲	(If no, explain in Re	emarks.)				
Are Vegetation , Soil , or Hydrology	🗌 signifi	cantly di	isturbed	? Are "	Normal Circumst	ances" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	natura	ally prob	lematic	? (If ne	eded, explain an	y answers in Remai	·ks.)				
SUMMARY OF FINDINGS – Attach site map sh			. naint	lesstions	trancasta im	nertent fonturen	ata				
Hydrophytic Vegetation Present?	Yes [iocations,	, transects, im	portant reatures	, elc.				
Hydric Soil Present?	Yes [-		Is the Sam	npled Area within	n a Wetland?		Yes	П	No	
Wetland Hydrology Present?	Yes [•				_		_
Remarks:											
VEGETATION – Use scientific names of plants	S. Absolute	Domii	nant	Indicator							
Tree Stratum (Plot size:)	% Cover	Speci		<u>Status</u>	Dominance Te	st Worksheet:					
1					Number of Don						(A)
2					That Are OBL,	FACW, or FAC:					(,
3	<u> </u>				Total Number of						(B)
4	<u> </u>				Species Across	s All Strata:					()
50% =, 20% =	<u> </u>	= Tota	al Cover	r	Percent of Dom						(A/B)
Sapling/Shrub Stratum (Plot size:)						FACW, or FAC:					. ,
1	<u> </u>					dex worksheet:					
2						tal % Cover of :		Multipl	<u>y by:</u>		
3					OBL species			x1 =		-	
4					FACW species			x2 =		-	
5	·				FAC species	<u>30</u>		x3 =	<u>210</u>		
50% =, 20% =		= Tota	al Cover	ſ	FACU species	<u>70</u>		x4 =	<u>280</u>		
Herb Stratum (Plot size:)					UPL species			x5 =		-	
1. <u>Festuca perennis</u>	<u>30</u>	<u>ves</u>		<u>FAC</u>	Column Totals:	<u>100</u> (A)			<u>490</u> ((B)	
2. <u>Erodium botrys</u>	<u>70</u>	<u>yes</u>		<u>FACU</u>		Prevalence In	dex = B/A	= <u>4.9</u>			
3					Hydrophytic V	egetation Indicato	rs:				
4					Dor Dor	ninance Test is >50	%				
5					D Pre	valence Index is <u><</u> 3	.0 ¹				
6						phological Adaptati			orting		
7	<u> </u>				data	a in Remarks or on	a separate	sheet)			
8					D Pro	blematic Hydrophyt	ic Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>100</u>	= Tota	al Cover	r	1						
Woody Vine Stratum (Plot size:)						ydric soil and wetlar ess disturbed or pro		gy must			
1						•					
2					Hydrophytic			_			_
50% =, 20% =		= Tota	al Cover	r	Vegetation		Yes		No		\boxtimes
% Bare Ground in Herb Stratum	% Cover	of Bioti	c Crust		Present?						
Remarks:											

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL											Samp	ling Po	oint: <u>3</u>	6b
Profile Descri	iption: (Descri	be to th	ne depth	n need	ed to d	locument the indicator or co	nfirm the abs	sence o	of indicat	ors.)				
Depth	Matr	ix				Redox Features								
<u>(inches)</u>	Color (moist	<u>;)</u>	<u>%</u>	<u>Co</u>	lor (Mo	<u>ist) % Type¹</u>	Loc ²	-	Textur	<u>e Remarks</u>				
<u>0-12</u>	<u>10YR 4/3</u>		<u>100</u>					_	Clay-Gra	avel				
		_						_						
		_						_						
		_						_						
		_						_						
		_						_						
¹ Type: C= Con	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or Coated Sa	nd Grains. 2	Locatio		ore Lining, M=Matrix.				
Hydric Soil In	dicators: (App	olicable	to all L	RRs, ι		otherwise noted.)				cators for Problematic	-	Soils':		
Histosol						Sandy Redox (S5)				1 cm Muck (A9) (LRR	C)			
	pipedon (A2)					Stripped Matrix (S6)				2 cm Muck (A10) (LR	-			
Black Hi	stic (A3)					Loamy Mucky Mineral (F1)				Reduced Vertic (F18)				
Hydroge	en Sulfide (A4)					Loamy Gleyed Matrix (F2)				Red Parent Material (TF2)			
Stratified	d Layers (A5) (I	LRR C)				Depleted Matrix (F3)				Other (Explain in Rem	narks)			
1 cm Mu	ıck (A9) (LRR I	D)				Redox Dark Surface (F6)								
Depleted	d Below Dark S	Surface	(A11)			Depleted Dark Surface (F7)								
Thick Da	ark Surface (A1	2)				Redox Depressions (F8)				³ Indicators of hydroph	ytic vege	etation	and	
Sandy N	lucky Mineral (S1)				Vernal Pools (F9)				wetland hydrology r	nust be	presen	t,	
Sandy G	Bleyed Matrix (S	S4)								unless disturbed	or proble	ematic.		
Restrictive La	ayer (if presen	t):												
Туре:														
Depth (Inches)):						Hydric So	oils Pre	esent?	Yes		No	\boxtimes	
Remarks:														
HYDROLOG	βY													
Wetland Hydr	ology Indicate	ors:												
Primary Indica	tors (minimum	of one i	required	; check	c all tha	t apply)			Secor	ndary Indicators (2 or mo	re requir	ed)		
Surface	Water (A1)					Salt Crust (B11)				Water Marks (B1) (River	ine)			
🔲 High Wa	ater Table (A2)					Biotic Crust (B12)				Sediment Deposits (B2)	(Riverin	e)		
□ Saturati	on (A3)					Aquatic Invertebrates (B13)				Drift Deposits (B3) (Rive	rine)			
U Water M	/larks (B1) (No i	nriverin	ie)			Hydrogen Sulfide Odor (C1)				Drainage Patterns (B10)				
Sedime	nt Deposits (B2	2) (Non i	riverine)		Oxidized Rhizospheres along	g Living Roots	s (C3)		Dry-Season Water Table	(C2)			
Drift De	posits (B3) (No	onriveri	ne)			Presence of Reduced Iron (C	24)			Crayfish Burrows (C8)				
□ Surface	Soil Cracks (B	6)				Recent Iron Reduction in Till	ed Soils (C6)			Saturation Visible on Aer	ial Imag	ery (Cs	9)	
Inundati	ion Visible on A	Aerial Im	nagery (E	37)		Thin Muck Surface (C7)				Shallow Aquitard (D3)	-			
□ Water-S	Stained Leaves	(B9)				Other (Explain in Remarks)				FAC-Neutral Test (D5)				
Field Observa	ations:													
Surface Water	Present?	Yes		No	\boxtimes	Depth (inches):	_							
Water Table P	resent?	Yes		No	\boxtimes	Depth (inches):	_							
Saturation Pre (includes capil	sent?	Yes		No	\boxtimes	Depth (inches):	_	Wetla	and Hydr	ology Present?	Yes		No	\boxtimes
		eam gau	uge, moi	nitorino	g well, a	aerial photos, previous inspecti	ons), if availal	ble:						
Bomorkor		0												

Project Site: <u>SPTC-JPA</u>					City/Count	ty: Folsom/EI Do	orado	Samplir	ng Date:	12/23/	201	4
Applicant/Owner: El Dorado County Department o	f Economi	ic De	evelopi	ment			State: CA	Samplin	•			-
Investigator(s): KCV					Section, To	ownship, Range:	<u>S 25, T9N, R8E</u>		-			
Landform (hillslope, terrace, etc.): <u>Hillslope</u>				Lo		ncave, convex, no			Slo	be (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: <u>3</u>	8.60	13753			Long: <u>-121.</u>	0575934	Da	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 percer	nt slo	opes				NWI class	sification: <u>l</u>	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typi	cal for this	s tim	e of ye	ar?	Yes 🛛	No 🗌	(If no, explain in Re	emarks.)				
Are Vegetation , Soil , or Hydrology	□ sigr	nifica	ntly di	sturbed	? Are "	Normal Circumst	ances" present?		Yes	\boxtimes	No	
Are Vegetation , Soil , or Hydrology	nati	urally	y probl	ematic	? (If ne	eded, explain an	y answers in Rema	rks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing		nling	noint	locations	trancasta im	nortant factures	oto				
Hydrophytic Vegetation Present?	Yes		No		locations,	transects, ini	portant reatures	, etc.				
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Area withi	n a Wetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No			•						
Remarks:												
VEGETATION – Use scientific names of plants												
Tree Stratum (Plot size:)	Absolute		Domir		Indicator	Dominance Te	est Worksheet:					
<u></u> , 1.	% Cover	<u>_</u>	Specie	es?	<u>Status</u>							
2						Number of Dor That Are OBL,	FACW, or FAC:					(A)
3						Total Number of	of Dominant					
4						Species Across						(B)
50% =, 20% =			= Tota	al Cover		Percent of Don	ninant Species					(A / D)
Sapling/Shrub Stratum (Plot size:)						That Are OBL,	FACW, or FAC:					(A/B)
1					. <u> </u>	Prevalence In	dex worksheet:					
2						<u>To</u>	tal % Cover of :		Multiply	<u>/ by:</u>		
3						OBL species			x1 =		-	
4						FACW species			x2 =		-	
5						FAC species	<u>45</u>		x3 =	<u>135</u>		
50% =, 20% =			= Tota	al Cover		FACU species			x4 =		-	
Herb Stratum (Plot size:)						UPL species	<u>30</u>		x5 =	<u>150</u>		
1. <u>Festuca perennis</u>	<u>30</u>		<u>yes</u>		FAC	Column Totals:	<u>75</u> (A)			<u>235</u> (B)	
2. <u>Geranium molle</u>	<u>20</u>		<u>ves</u>		<u>UPL</u>		Prevalence In	dex = B/A :	= <u>3.1</u>			
3. <u>Rumex pulcher</u>	<u>15</u>		<u>no</u>		FAC	Hydrophytic V	egetation Indicato	vrs:				
4. <u>Dittrichia graveolens</u>	<u>10</u>		<u>no</u>		UPL	Doi Doi	minance Test is >50)%				
5	. <u> </u>					D Pre	valence Index is <u><</u> 3	3.0 ¹				
6			<u> </u>				rphological Adaptat			orting		
7						dat	a in Remarks or on	a separate	sheet)			
8					·	Pro	blematic Hydrophyt	ic Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>75</u>		= Tota	al Cover		¹ Indicators of h	vdric soil and wetla	nd hydrolor	nv must			
Woody Vine Stratum (Plot size:)							ess disturbed or pro		gy maor			
1												
2						Hydrophytic		Yes		No		
50% =, 20% =				al Covei		Vegetation Present?		163		NU		
% Bare Ground in Herb Stratum	% Co\	/er o	t Biotic	c Crust								
Remarks:												

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Project Site: SP	TC-JPA
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SOIL												Samp	ling Po	oint: <u>3</u>	7 <u>b</u>
Profile Descr	iption: (Descri	ibe to th	e deptl	h need	ed to d	locument the indica	tor or cor	nfirm the ab	sence of	indicat	ors.)				
Depth	Mati	rix				Redox Fea	atures								
(inches)	Color (moist	<u>t)</u>	<u>%</u>	Co	lor (Mc	<u>%</u>	Type ¹	Loc	2	Textu	re <u>Remarks</u>				
<u>0-12</u>	<u>2.5YR 2.5/1</u>	<u>1</u>	<u>100</u>							<u>Clay-S</u>	<u>Silt</u> <u>friable</u>				
		_													
		_							_	·					
		-							_						
		-							_						
		•				rix, CS=Covered or C	coated Sar	nd Grains.	² Locatior		ore Lining, M=Matrix.		2		
		plicable	to all L	.RRs, u	_	otherwise noted.)					cators for Problematic I		Soils':		
Histoso						Sandy Redox (S5)					1 cm Muck (A9) (LRR	-			
	pipedon (A2)					Stripped Matrix (S6					2 cm Muck (A10) (LRI	RB)			
	istic (A3)					Loamy Mucky Mine					Reduced Vertic (F18)				
	en Sulfide (A4)					Loamy Gleyed Mat					Red Parent Material (-			
	d Layers (A5) (Depleted Matrix (F					Other (Explain in Rem	arks)			
	uck (A9) (LRR I	-				Redox Dark Surfac	. ,								
	d Below Dark S		A11)			Depleted Dark Sur	. ,								
	ark Surface (A1					Redox Depression	s (F8)				³ Indicators of hydrophy	/tic vege	etation	and	
	Mucky Mineral (Vernal Pools (F9)					wetland hydrology n		•	t,	
	Gleyed Matrix (S										unless disturbed o	or proble	ematic.		
	ayer (if presen	it):													
Type:	·							Livedrie C	alla Drad		Vac		Na		1
Depth (Inches	s):							Hydric S	olis Pres	sent?	Yes		No	\boxtimes	
Remarks:															
HYDROLOG	GΥ														
Wetland Hyd	rology Indicate	ors:													
Primary Indica	ators (minimum	of one r	equired	l; check	all tha	t apply)				Secor	ndary Indicators (2 or mor	e requir	ed)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (River	ne)			
🖾 🛛 High W	ater Table (A2))				Biotic Crust (B12)					Sediment Deposits (B2)	Riverin	e)		
Saturat	ion (A3)					Aquatic Invertebrat	es (B13)				Drift Deposits (B3) (River	rine)			
Water N	Marks (B1) (No i	nriverin	e)			Hydrogen Sulfide (Odor (C1)				Drainage Patterns (B10)				
Sedime	ent Deposits (B2	2) (Nonr	iverine	e)		Oxidized Rhizosph	eres alono	g Living Root	ts (C3)		Dry-Season Water Table	(C2)			
Drift De	eposits (B3) (Nc	onriverir	ne)			Presence of Reduc	ced Iron (C	24)			Crayfish Burrows (C8)				
Surface	e Soil Cracks (B	36)				Recent Iron Reduc	tion in Till	ed Soils (C6))		Saturation Visible on Aer	al Imag	ery (CS	9)	
Inundat	tion Visible on A	Aerial Im	agery (B7)		Thin Muck Surface	(C7)				Shallow Aquitard (D3)				
□ Water-	Stained Leaves	s (B9)				Other (Explain in R	temarks)				FAC-Neutral Test (D5)				
Field Observ	ations:														
Surface Wate	r Present?	Yes	\boxtimes	No		Depth (inches)): <u>1</u>								
Water Table F	Present?	Yes	\boxtimes	No		Depth (inches)): <u>0</u>								
Saturation Pre (includes capi	llary fringe)	Yes		No		Depth (inches)				nd Hydr	ology Present?	Yes		No	
Describe Rec	orded Data (stre	eam gau	ige, mo	nitoring	well, a	aerial photos, previou	s inspectio	ons), if availa	able:						
Remarks:															

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Project Site: SPTC-JPA					City/Count	ty: <u>Folso</u>	m/El Dor	ado		Sampli	ng Date:	<u>12/23</u>	8/201	4
Applicant/Owner: El Dorado County Department of	Econom	nic De	evelopn	nent			S	State:	CA	Samplir	ng Point:	<u>38a</u>		
Investigator(s): KCV					Section, To	ownship,	Range:	<u>S 22, 1</u>	<u> 78, R1</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, co	nvex, nor	ne): <u>co</u>	oncave		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.59	93			Long:	<u>-121.05</u>	561		D	atum: <u>N</u>	VAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	ent slo	opes						NWI clas	ssification:	Seasona	al Wetla	and	
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of yea	ar?	Yes 🛛	No	→ 🗆 (lf no, e	explain in F	Remarks.)				
Are Vegetation , Soil , or Hydrology	🗌 sig	nifica	antly dis	sturbed	? Are "	'Normal C	ircumsta	nces" p	present?		Yes	\boxtimes	No	
Are Vegetation □, Soil □, or Hydrology	🗆 nat	turall	y proble	ematic?	? (If ne	eded, exp	olain any	answe	rs in Rem	arks.)				
SUMMARY OF FINDINGS – Attach site map sh	owina	sam	plina	point	locations.	transec	ts. imp	ortan	t feature	s. etc.				
Hydrophytic Vegetation Present?	Yes		No		,		····,···			-,				
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sam	npled Are	a within	a Wet	land?		Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No											
Remarks:				I										
VEGETATION – Use scientific names of plants	5 .													
Tree Stratum (Plot size:)	Absolut		Domin		Indicator	Domina	ance Tes	t Work	sheet:					
1.	% Cove	<u>:</u>	<u>Specie</u>	<u>:5 (</u>	<u>Status</u>	Numbe	r of Domi	inant S	necies					
2							e OBL, F							(A)
3						Total N	umber of	Domin	ant					
4						Species	s Across	All Stra	ata:					(B)
50% =, 20% =			= Tota	l Cover			t of Domi							(A/B)
Sapling/Shrub Stratum (Plot size:)						That Ar	e OBL, F	ACW,	or FAC:					(//////////////////////////////////////
1						Prevale	ence Inde	ex wor	ksheet:					
2							Tota	al % Co	over of :		Multipl	<u>y by:</u>		
3						OBL sp	ecies				x1 =		_	
4						FACW	species				x2 =		_	
5						FAC sp	ecies				x3 =		_	
50% =, 20% =			= Tota	l Cover		FACU s	species				x4 =		_	
Herb Stratum (Plot size:)						UPL sp	ecies				x5 =		_	
1. <u>Festuca perennis</u>	<u>95</u>		<u>yes</u>		FAC	Column	Totals:		(A)			_ (B)
2. <u>Hordeum marinum</u>	<u>10</u>		no		FAC			Р	revalence	Index = B/A	\ = <u>3</u>			
3. <u>Geranium molle</u>	<u>5</u>		no		UPL	Hydrop	hytic Ve	getatio	on Indicat	ors:				
4. <u>Senecio sp.</u>	2		no		UPL		-	-	Test is >5					
5.	_						Prev	alence	Index is <	3 0 ¹				
6.									_	ations ¹ (Prov	ide subr	ortina		
7.							data	in Rem	narks or or	n a separate	sheet)	Jonang		
8							Prob	lematio	: Hvdroph	ytic Vegetati	ion ¹ (Exc	olain)		
50% =, 20% =	112		= Tota	l Cover						,	- 1			
Woody Vine Stratum (Plot size:)										and hydrolog	gy must			
1						ne hies	on, une	<u></u>	annea oi h	obiernatio.				
2						Hydrop	hytic							
50% =, 20% =			= Tota	l Cover		Vegeta	tion			Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Presen	t?							
Remarks:						·								

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SOIL								Sam	pling P	oint: 3	<u>38a</u>							
Profile Desc	cription: (Descri	be to th	ne depti	n need	ed to d	locument t	he indicato	or or conf	irm the ab	sence	of indica	ators.)						
Depth	Matr	ix				F	Redox Featu	ures										
(inches)	Color (moist)	<u>%</u>	<u>Co</u>	<u>lor (Mo</u>	<u>ist)</u>	<u>%</u>	Type ¹	Loc	2	Text	ure	<u>Re</u>	<u>marks</u>				
<u>0-12</u>	<u>7.5YR 4/2</u>		<u>90</u>	<u>7</u>	.5YR 4	/4	<u>10</u>	<u>D</u>	<u>M</u>		<u>Clay</u> -	<u>silt</u>						
		-				_												
		-				_												
		-				-												
		-				_												
		-								_								
¹ Type: C= C	oncentration, D=	Depletic	on, RM=	Reduce	ed Mati	rix, CS=Cov	vered or Co	ated Sand	d Grains.	² Locatio		Pore Linin						
Hydric Soil	Indicators: (App	olicable	to all L	.RRs, u	inless	otherwise	noted.)				Inc	licators f	or Prol	olematic	Hydric	Soils ³ :		
Histos	ol (A1)					Sandy Re	edox (S5)					1 cm	Muck (A9) (LR	R C)			
Histic	Epipedon (A2)					Stripped I	Matrix (S6)					2 cm	Muck (A10) (Li	RR B)			
Black	Histic (A3)					Loamy M	ucky Miner	al (F1)				Redu	uced Ve	rtic (F18	3)			
Hydro	gen Sulfide (A4)					Loamy G	leyed Matriz	x (F2)				Red	Parent	Material	(TF2)			
Stratifi	ied Layers (A5) (I	LRR C)			\boxtimes	Depleted	Matrix (F3)					Othe	er (Expla	ain in Re	marks)			
1 cm N	Muck (A9) (LRR I))				Redox Da	ark Surface	(F6)										
Deplet	ted Below Dark S	urface	(A11)			Depleted	Dark Surfa	ce (F7)										
Thick	Dark Surface (A1	2)				Redox De	epressions	(F8)				³ Indic	cators o	f hydrop	hytic veg	etation	and	
Sandy	v Mucky Mineral (S1)				Vernal Po	ools (F9)								must be			
Sandy	Gleyed Matrix (S	54)										ι	unless c	listurbed	l or probl	ematic.		
Restrictive	Layer (if presen	t):																
Туре:																		
Depth (Inche	es):								Hydric S	oils Pr	esent?			Yes	\boxtimes	No]
Remarks:																		
HYDROLC	DGY																	
Wetland Hy	drology Indicate	ors:																
Primary Indi	cators (minimum	of one i	required	; check	all tha	t apply)					Seco	ondary Ind	dicators	(2 or m	ore requ	ired)		
Surfac	ce Water (A1)					Salt Crus	t (B11)					Water N	/larks (E	31) (Rive	erine)			
High V	Water Table (A2)					Biotic Cru	ust (B12)					Sedime	nt Depo	sits (B2)) (Riveri	ne)		
Satura Satura	ation (A3)					Aquatic Ir	nvertebrates	s (B13)				Drift De	posits (B3) (Riv	erine)			
U Water	r Marks (B1) (No i	nriverin	ie)			Hydroger	n Sulfide Oc	lor (C1)				Drainag	e Patte	rns (B10))			
Sedim	nent Deposits (B2	2) (Non i	riverine)		Oxidized	Rhizospher	es along	Living Root	ts (C3)		Dry-Sea	ason Wa	ater Tabl	le (C2)			
Drift D	Deposits (B3) (No	nriveri	ne)			Presence	of Reduce	d Iron (C4	4)			Crayfish	n Burrov	vs (C8)				
Surfa	ce Soil Cracks (B	6)				Recent Ir	on Reductio	on in Tille	d Soils (C6))		Saturati	ion Visit	ole on Ae	erial Ima	gery (C	9)	
Inund	ation Visible on A	erial Im	nagery (I	B7)		Thin Muc	k Surface (C7)		Shallow Aquitard (D3)								
U Water	r-Stained Leaves	(B9)				Other (Ex	plain in Re	marks)				FAC-Ne	eutral Te	est (D5)				
Field Obser	vations:																	
Surface Wat	ter Present?	Yes	\boxtimes	No		Dept	h (inches):	<u>1</u>										
Water Table	Present?	Yes	\boxtimes	No		Dept	h (inches):	0										
Saturation P		Yes	\boxtimes	No		Dept	h (inches):	0		Wetl	and Hvo	Irology F	Present	?	Yes	\boxtimes	No	
	pillary fringe) corded Data (stre						()		ns), if availa		,.	5, -				_	-	

Project Site: <u>SPTC-JPA</u>					City/Count	y: Folsom/El Dorado Sampling Date: 12/23/201	14
Applicant/Owner: El Dorado County Department o	f Econom	ic De	evelopr	ment		State: CA Sampling Point: 38b	
Investigator(s): KCV					Section, To	wnship, Range: <u>S 22, T8, R1</u>	
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	cave, convex, none): <u>concave</u> Slope (%): <u>10</u>	<u>I</u>
Subregion (LRR): <u>C</u>	Lat: 3	88.59	93147			Long: <u>-121.0560625</u> Datum: <u>NAD 83</u>	
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	nt slo	opes			NWI classification: Upland	
Are climatic / hydrologic conditions on the site typi	cal for thi	s tim	e of ye	ar?	Yes 🛛	No 🔲 (If no, explain in Remarks.)	
Are Vegetation \Box , Soil \Box , or Hydrology	Sign	nifica	ntly dis	sturbed	? Are "	Normal Circumstances" present? Yes 🛛 No	
Are Vegetation D, Soil D, or Hydrology	□ nat	urally	y proble	ematic?	? (If ne	eded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map sh	nowing	sam	pling	point	locations,	transects, important features, etc.	
Hydrophytic Vegetation Present?	Yes		No	\boxtimes			
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	pled Area within a Wetland? Yes 🗌 No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes			
Remarks:							
VEGETATION – Use scientific names of plants	s.						
Tree Stratum (Plot size:)	Absolute % Cove		Domin Specie		Indicator Status	Dominance Test Worksheet:	
1		-				Number of Dominant Species	<i></i>
2						That Are OBL, FACW, or FAC:	(A)
3						Total Number of Dominant	(D)
4						Species Across All Strata:	(B)
50% =, 20% =			= Tota	l Cover		Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are OBL, FACW, or FAC:	(АВ)
1						Prevalence Index worksheet:	
2						Total % Cover of : Multiply by:	
3						OBL species x1 =	
4						FACW species x2 =	
5						FAC species x3 =	
50% =, 20% =			= Tota	l Cover		FACU species x4 =	
Herb Stratum (Plot size:)						UPL species x5 =	
1. <u>Erodium botrys</u>	<u>90</u>		<u>yes</u>		FACU	Column Totals: (A) (E	3)
2. <u>Lactuca serirola</u>	<u>10</u>		no		FACU	Prevalence Index = B/A =	
3. <u>Elymus captu-medusae</u>	<u>20</u>		<u>ves</u>		UPL	Hydrophytic Vegetation Indicators:	
4						Dominance Test is >50%	
5						Prevalence Index is $\leq 3.0^1$	
6						Morphological Adaptations ¹ (Provide supporting	
7						data in Remarks or on a separate sheet)	
8					<u> </u>	Problematic Hydrophytic Vegetation ¹ (Explain)	
50% =, 20% =	<u>120</u>		= Tota	l Cover		¹ Indicators of hydric soil and wetland hydrology must	
Woody Vine Stratum (Plot size:)						be present, unless disturbed or problematic.	
1					<u> </u>		
2						Hydrophytic	_
50% =, 20% =			= Tota	l Cover		Vegetation Yes No Present?	\boxtimes
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust			
Remarks:							

US Army Corps of Engineers

Project Site: SPTC-JP

SOIL														S	ampli	ing Poi	int: <u>3</u>	<u>8b</u>
Profile Desc	ription: (Descril	be to th	e deptł	n neede	ed to d	ocument t	he indicat	or or conf	irm the abs	sence o	f indica	ators.)						
Depth	Matr	ix				F	Redox Fea											
(inches)	Color (moist	<u>)</u>	<u>%</u>	Co	lor (Mo	<u>ist)</u>	<u>%</u>	Type ¹	Loc ²	-	Text	ure	<u>Remarks</u>					
<u>0-6</u>	<u>7.5YR3/3</u>	-	<u>100</u>			_		·		_	Gravel	/clay						
		_				_		·		_								
		_				_		·		_								
		-				_				_								
		-				_				_								
						_							_					
	oncentration, D=I							oated Sand	d Grains.	Locatio		ore Lining,				2		
_	Indicators: (App	licable	to all L	RRs, u			-					licators for		-	ric S	oils':		
Histos						-	edox (S5)						uck (A9) (L l	-				
	Epipedon (A2)						Matrix (S6						uck (A10) (I)			
Black I	Histic (A3)					Loamy M	lucky Mine	ral (F1)					ed Vertic (F1	-				
	gen Sulfide (A4)					Loamy G	leyed Matr	ix (F2)				Red Pa	rent Materia	al (TF2)			
Stratifi	ed Layers (A5) (L	RR C)				Depleted	Matrix (F3	3)				Other (I	Explain in R	emark	s)			
1 cm N	luck (A9) (LRR E	D)				Redox Da	ark Surface	e (F6)										
Deplet	ed Below Dark S	urface (A11)			Depleted	Dark Surf	ace (F7)										
Thick I	Dark Surface (A1	2)				Redox De	epressions	s (F8)				³ Indicate	ors of hydro	phytic	veget	tation a	and	
Sandy	Mucky Mineral (S1)				Vernal Po	ools (F9)						nd hydrolog		-			
Sandy	Gleyed Matrix (S	64)										unle	ess disturbe	ed or pr	obler	natic.		
Restrictive I	Layer (if present	:):																
Type:	hard layer	-																
Depth (Inche	es): <u>6</u>								Hydric Se	oils Pre	sent?		Yes			No	\boxtimes	I
Remarks:																		
HYDROLO	GY																	
	drology Indicato	ors:																
-	cators (minimum		equired	; check	all tha	t apply)					Seco	ondary Indic	ators (2 or r	nore re	quire	ed)		
	e Water (A1)		•			Salt Crus	st (B11)					-	ks (B1) (Riv		<u> </u>	,		
	Vater Table (A2)					Biotic Cru							Deposits (B	-		e)		
_	ation (A3)						nvertebrate	es (B13)					sits (B3) (Ri			,		
_	Marks (B1) (Nor	riverin	e)				n Sulfide O					-	Patterns (B1		,			
	ent Deposits (B2		-)				. ,	Living Root	s (C3)		-	n Water Ta		2)			
	eposits (B3) (No			,			e of Reduc	-	-	- ()			urrows (C8)		,			
	ce Soil Cracks (B		,						., d Soils (C6)			-	Visible on A		mage	rv (C9)	
	ation Visible on A	,	agery (I	B7)			k Surface						quitard (D3)		nago		,	
	-Stained Leaves		~9017 (1	,			xplain in Re						ral Test (D5)					
Field Obser		(20)								[,				
Surface Wate		Yes		No	\boxtimes	Dent	th (inches):											
Water Table		Yes		No		-	th (inches):											
Saturation P						-				W-41-	nd Ur-	Irology Pre	cont?	v			N-	
(includes cap		Yes		No	\boxtimes	Dept	th (inches):	·		vvetia	па нус	nology Pre	sentr	Ŷ	es		No	\boxtimes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Project Site: <u>SPTC-JPA</u>					City/Count	ty: Folsom/EI D	orado	Samplin	g Date:	12/23	/201	4
Applicant/Owner: El Dorado County Department of	Econom	nic De	evelopm	nent			State: CA	Sampling	g Point:	39a		
Investigator(s): KCV					Section, To	ownship, Range	: <u>S 25, T9N, R8E</u>		-			
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, convex, n	none): <u>concave</u>		Slop	be (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.59	838			Long: <u>-121</u>	.05546	Da	tum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	ent slo	opes				NWI cla	ssification: S	easona	l Wetla	nd	
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of yea	ar?	Yes 🛛	No 🗖	(If no, explain in	Remarks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	ntly dis	sturbed	? Are "	Normal Circums	tances" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗌 nat	urally	y proble	ematic?	e (lf ne	eded, explain ar	ny answers in Rem	arks.)				
SUMMARY OF FINDINGS – Attach site map sh Hydrophytic Vegetation Present?	Yes	sam ⊠	pling No	point	locations,	, transects, im	portant feature	es, etc.				
Hydric Soil Present?	Yes		No		Is the Sam	npled Area with	in a Wetland?		Yes		No	
Wetland Hydrology Present?	Yes		No			ipicu Aica with			103		110	
Remarks:	163		NU									
VEGETATION – Use scientific names of plants	S. Absolute	e	Domina	ant	Indicator							
Tree Stratum (Plot size:)	% Cove		Specie		Status	Dominance T	est Worksheet:					
1							minant Species					(A)
2						That Are OBL,	, FACW, or FAC:					()
3			<u> </u>			Total Number						(B)
4						Species Acros	s All Strata:					
50% =, 20% =			= Total	l Cover			minant Species					(A/B)
Sapling/Shrub Stratum (Plot size:)							, FACW, or FAC:					
1							idex worksheet:					
2							otal % Cover of :		Multiply	<u>/ by:</u>		
3						OBL species			x1 =		-	
4						FACW species	s <u> </u>		x2 =		-	
5						FAC species			x3 =		-	
50% =, 20% =			= Total	l Cover		FACU species	; <u> </u>		x4 =		-	
Herb Stratum (Plot size:)						UPL species			x5 =		-	
1. <u>Festuca perennis</u>	<u>80</u>		<u>yes</u>		FAC	Column Totals	s: (A	N)			_ (B)
2. <u>Hordeum marinum</u>	<u>20</u>		<u>yes</u>		<u>FAC</u>		Prevalence	e Index = B/A	= <u>3</u>			
3. <u>Holocarpha virgata</u>	<u>5</u>		no		<u>UPL</u>	Hydrophytic V	Vegetation Indica	tors:				
4. <u>Lythrum hyssopifolia</u>	<u>10</u>		<u>no</u>		<u>UPL</u>	🖾 Do	ominance Test is >	50%				
5. <u>Eryngium vaseyi</u>	<u>5</u>		no		<u>OBL</u>	D Pre	evalence Index is •	<u><</u> 3.0 ¹				
6							orphological Adapta			orting		
7						Ua	ta in Remarks or o	n a separate	sneet)			
8							oblematic Hydroph	ytic Vegetatic	on ¹ (Exp	lain)		
50% =, 20% =	<u>120</u>		= Total	I Cover		¹ Indicators of k	hydric soil and wet	land hydrolog	vmuet			
Woody Vine Stratum (Plot size:)							less disturbed or p		y musi			
1												
2					—	Hydrophytic		Yes		Ne		
50% =, 20% =			= Total			Vegetation Present?		res		No		Ц
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust								
Remarks:												

US Army Corps of Engineers

Project Site: SPTC-JPA

SOIL														Samp	ling Poir	nt: <u>39</u>	<u>la</u>
Profile Des	cription: (Descril	be to the	e depth	n need	ed to d	ocument the inc	licator	or conf	irm the abs	ence of	indica	tors.)					
Depth	Matri	ix				Redox	Feature	es									
(inches)	Color (moist)	<u>)</u>	<u>%</u>	Co	<u>lor (Mo</u>	<u>ist) %</u>	-	Type ¹	Loc ²		<u>Textu</u>	ire	<u>Remarks</u>				
<u>0-12</u>	<u>7.5YR 4/2</u>		<u>90</u>	<u>7.</u>	.5YR 4/	<u>/3 10</u>		<u>D</u>	M		Clay-	silt	_				
							-			_			_				
							-			_			_				
		_					-			_			_				
							-			_			_				
							-			_			_				
¹ Type: C= C	oncentration, D=[Depletior	n, RM=l	Reduce	ed Matr	rix, CS=Covered	or Coate	ed Sanc	Grains. 2	Location		ore Lining, M					
Hydric Soil	Indicators: (App	licable	to all L	RRs, u	nless	otherwise noted	.)				Ind	icators for P	roblematic	Hydric S	ioils ³ :		
Histos	sol (A1)					Sandy Redox (S5)					1 cm Muc	k (A9) (LRI	र C)			
Histic	Epipedon (A2)					Stripped Matrix	(S6)					2 cm Muc	k (A10) (LF	RR B)			
Black	Histic (A3)					Loamy Mucky N	Mineral	(F1)				Reduced	Vertic (F18)			
□ Hydro	gen Sulfide (A4)					Loamy Gleyed	Matrix ((F2)				Red Pare	nt Material	(TF2)			
□ Stratif	ied Layers (A5) (L	RR C)			\boxtimes	Depleted Matrix	k (F3)					Other (Ex	plain in Re	marks)			
1 cm l	Muck (A9) (LRR D	D)				Redox Dark Su	rface (F	-6)									
Deple	ted Below Dark S	urface (A	A11)			Depleted Dark	Surface	e (F7)									
Thick	Dark Surface (A1	2)				Redox Depress	sions (F	8)				³ Indicators	s of hydropl	nvtic veae	tation a	nd	
□ Sandy	/ Mucky Mineral (S1)				Vernal Pools (F	9)						l hydrology				
Sandy	/ Gleyed Matrix (S	64)										unles	s disturbed	or proble	matic.		
Restrictive	Layer (if present	:):															
Туре:																	
Depth (Inche	es):								Hydric So	oils Pres	ent?		Yes	\boxtimes	No		
Remarks:																	
HYDROLC	drology Indicato	rs.															
-	cators (minimum		ouired.	. check	all that	t apply)					Seco	ondary Indicate	ors (2 or m	ore requir	ed)		
	ce Water (A1)		yun cu,	, check		Salt Crust (B11)					Water Marks			cu)		
	Water Table (A2)					Biotic Crust (B1						Sediment De		-	o)		
_						Aquatic Inverte	-	(P12)						-	-)		
_	ation (A3) r Marka (B1) (Nor	rivorino			_		,	. ,				Drift Deposit		-			
	r Marks (B1) (Nor nont Doposito (B2		-			Hydrogen Sulfie			iving Poot	(C2)		Drainage Pa Dry-Season					
_	nent Deposits (B2			,		Oxidized Rhizo	-	-	-	s (C3)		•		e (C2)			
	Deposits (B3) (No		e)			Presence of Re			,			Crayfish Bur					
	ce Soil Cracks (B		/ .	\\		Recent Iron Re			1 Solis (C6)			Saturation Vi		inal image	ery (C9)		
	lation Visible on A		agery (E	37)		Thin Muck Surf		-				Shallow Aqu					
	r-Stained Leaves	(BA)				Other (Explain	III Kema	arks)				FAC-Neutral	rest (D5)				
Field Obser		Va	57		_)										
Surface Wat		Yes		No		Depth (incl		<u>4</u>									
Water Table		Yes	\boxtimes	No		Depth (incl	nes):	<u>0</u>									
Saturation F (includes ca	resent? pillary fringe)	Yes	\boxtimes	No		Depth (incl	nes):	<u>0</u>		Wetlar	nd Hyd	rology Prese	nt?	Yes	\boxtimes	No	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: US Army Corps of Engineers

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folsom</u>	/EI Dorad	<u>lo</u>	Samplir	ng Date:	<u>12/23</u>	/201	4
Applicant/Owner: El Dorado County Department o	f Economic	: Deve	lopme	ent			Sta	te: <u>CA</u>	Samplin	ng Point:	<u>39b</u>		
Investigator(s): KCV					Section, To	ownship, Ra	ange: <u>S</u>	<u>25, T9N, R8E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Loc	al relief (cor	ncave, conv	ex, none)): <u>none</u>		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: <u>38</u>	8.5984	109			Long:	-121.055	<u>3885</u>	D	atum: <u>N</u>	NAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 percent	t slope	<u>es</u>					NWI class	sification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typi	cal for this	time o	of year	?	Yes 🛛	No	□ (If i	no, explain in Re	emarks.)				
Are Vegetation \Box , Soil \Box , or Hydrology	Signi	ficantl	y distu	ırbed'	? Are "	Normal Cire	cumstanc	es" present?		Yes	\boxtimes	No	
Are Vegetation □, Soil □, or Hydrology	natui	rally p	roblem	natic?	(If ne	eded, expla	ain any ar	nswers in Rema	rks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowing s	ampli	ing po	oint	locations,	transect	s, impor	rtant features	, etc.				
Hydrophytic Vegetation Present?	Yes		No [\boxtimes									
Hydric Soil Present?	Yes		No 🖸	\boxtimes	Is the Sam	pled Area	within a	Wetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No 🛛	\boxtimes									
Remarks:													
VEGETATION – Use scientific names of plants	2												
Tree Stratum (Plot size:)	Absolute		minan		Indicator	Dominan	ce Test \	Worksheet:					
1.	<u>% Cover</u>	<u>sp</u>	ecies	<u>′</u>	<u>Status</u>	Number		nt English					
2.		_			_			ant Species CW, or FAC:					(A)
3						Total Nur	nber of D	ominant					
4						Species A	Across All	Strata:					(B)
50% =, 20% =		= -	Total C	Cover		Percent c	of Domina	int Species					(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are	OBL, FAC	CW, or FAC:					(АВ)
1						Prevalen	ce Index	worksheet:					
2							Total 9	% Cover of :		<u>Multipl</u>	<u>y by:</u>		
3						OBL spec	cies			x1 =		_	
4						FACW sp	ecies			x2 =		_	
5						FAC spec	cies	<u>40</u>		x3 =	<u>120</u>		
50% =, 20% =		= -	Total C	Cover		FACU sp	ecies	<u>90</u>		x4 =	<u>360</u>		
Herb Stratum (Plot size:)						UPL spec	cies			x5 =		_	
1. <u>Erodium botrys</u>	<u>90</u>	<u>ye</u>	<u>s</u>		FACU	Column T	otals:	<u>130</u> (A)			<u>480</u> ((B)	
2. <u>Festuca perennis</u>	<u>40</u>	<u>ye</u>	<u>s</u>		FAC			Prevalence In	dex = B/A	= <u>3.6</u>			
3						Hydroph	ytic Vege	etation Indicato	ors:				
4							Domina	ance Test is >50)%				
5							Prevale	ence Index is <u><</u> 3	3.0 ¹				
6		_						ological Adaptat Remarks or on			orting		
7		-							•				
8	400	_					Probler	matic Hydrophyt	tic Vegetati	on' (Exp	olain)		
50% =, 20% =	<u>130</u>	=	Total C	Jover		¹ Indicator	s of hydri	c soil and wetla	nd hydrolog	ay must			
Woody Vine Stratum (Plot size:)								disturbed or pro					
1					—								
2					—	Hydroph			Yes		No		\boxtimes
50% =, 20% =	% Cove		Total C			Vegetation Present?							-
% Bare Ground in Herb Stratum	% COVE	ei ut B		ust									
Remarks:													

US Army Corps of Engineers

Project Site: SPTC-JP

SOIL						Samp	ling Po	int: <u>3</u>	9 <u>b</u>
Profile Description: (Describe to the dept	h needed to d	locument the indicator or cont	irm the absence of	of indicato	ors.)				
Depth Matrix		Redox Features							
(inches) Color (moist) %	Color (Mo	<u>iist) % Type¹</u>	Loc ²	Texture	<u>Remarks</u>				
<u>0-6 7.5YR3/3 100</u>				Gravel/cl	<u>ay</u>				
<u> </u>									
¹ Type: C= Concentration, D=Depletion, RM=	Reduced Mat	rix, CS=Covered or Coated San	d Grains. ² Locatio	on: PL=Por	e Lining, M=Matrix.				
Hydric Soil Indicators: (Applicable to all I	.RRs, unless	otherwise noted.)		Indic	ators for Problematic H	lydric S	ioils ³ :		
Histosol (A1)		Sandy Redox (S5)			1 cm Muck (A9) (LRR	C)			
Histic Epipedon (A2)		Stripped Matrix (S6)			2 cm Muck (A10) (LRF	R B)			
Black Histic (A3)		Loamy Mucky Mineral (F1)			Reduced Vertic (F18)				
Hydrogen Sulfide (A4)		Loamy Gleyed Matrix (F2)			Red Parent Material (1	F2)			
Stratified Layers (A5) (LRR C)		Depleted Matrix (F3)			Other (Explain in Rem	arks)			
1 cm Muck (A9) (LRR D)		Redox Dark Surface (F6)							
Depleted Below Dark Surface (A11)		Depleted Dark Surface (F7)							
Thick Dark Surface (A12)		Redox Depressions (F8)			³ Indicators of hydrophy	rtic veae	tation a	and	
Sandy Mucky Mineral (S1)		Vernal Pools (F9)			wetland hydrology n	-			
Sandy Gleyed Matrix (S4)					unless disturbed o	r proble	matic.		
Restrictive Layer (if present):									
Type: <u>hard layer</u>									
Depth (Inches): <u>6</u>			Hydric Soils Pre	esent?	Yes		No	\boxtimes	1
Remarks:									
HYDROLOGY Wetland Hydrology Indicators:									
Primary Indicators (minimum of one required	l: chock all tha	t apply)		Sacon	dary Indicators (2 or mor	o roquir	od)		
			<u> </u>				eu)		
Surface Water (A1)		Salt Crust (B11)			Vater Marks (B1) (Riveri	-	-)		
High Water Table (A2)		Biotic Crust (B12)			Sediment Deposits (B2) (e)		
Saturation (A3)		Aquatic Invertebrates (B13)			Drift Deposits (B3) (River	ine)			
Water Marks (B1) (Nonriverine)		Hydrogen Sulfide Odor (C1)	Listen Desta (CO)		Orainage Patterns (B10)	(00)			
Sediment Deposits (B2) (Nonriverine	_	Oxidized Rhizospheres along	- · ·		Ory-Season Water Table	(02)			
Drift Deposits (B3) (Nonriverine)		Presence of Reduced Iron (C4			Crayfish Burrows (C8)		(0.0		
Surface Soil Cracks (B6)		Recent Iron Reduction in Tille	d Soils (C6)	_	Saturation Visible on Aeri	al Image	ery (C9)	
Inundation Visible on Aerial Imagery (,	Thin Muck Surface (C7)			Shallow Aquitard (D3)				
Water-Stained Leaves (B9)		Other (Explain in Remarks)	I	□ F	AC-Neutral Test (D5)				
Field Observations:		-							
Surface Water Present? Yes	No 🛛	Depth (inches):							
Water Table Present? Yes	No 🛛	Depth (inches):							
Saturation Present? Yes	No 🛛	Depth (inches):	Wetla	and Hydro	logy Present?	Yes		No	\boxtimes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Project Site: <u>SPTC-JPA</u>					City/Count	nty: <u>Folsor</u>	m/El Dorado	<u>0</u>	Samplir	ng Date:	12/23	/201	4
Applicant/Owner: El Dorado County Department of	Econom	nic De	evelopm	nent			Stat	e: <u>CA</u>	Samplin	g Point:	<u>40a</u>		
Investigator(s): KCV					Section, To	Fownship, F	Range: <u>S 2</u>	<u>25, T9N, R8E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Loc	cal relief (cor	oncave, cor	ivex, none):	: <u>concave</u>		Slo	oe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.59	827			Long:	<u>-121.0552</u>	<u>29</u>	Da	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	ent slo	opes					NWI classi	fication:	Seasona	l Wetla	nd	
Are climatic / hydrologic conditions on the site typic	cal for thi	is tim	e of yea	ar?	Yes 🛛	No	🔲 (lfn	no, explain in Re	marks.)				
Are Vegetation □, Soil □, or Hydrology	🗌 sig	nifica	antly dis	sturbed	? Are "	"Normal Ci	rcumstance	es" present?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗆 nat	turally	y proble	ematic?	lf ne	eeded, exp	lain any an	swers in Remarl	ks.)				
SUMMARY OF FINDINGS – Attach site map sh	owina	sam	nlina	noint	locations	transec	ts. import	tant features.	etc.				
Hydrophytic Vegetation Present?	Yes		No		ieeutiene,	,		lant routaroo,	0101				
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sam	mpled Area	a within a \	Wetland?		Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks:													
VEGETATION – Use scientific names of plants													
Tree Stratum (Plot size:)	Absolut		Domina		Indicator	Domina	nce Test V	Vorksheet:					
1.	% Cove	<u>er</u>	<u>Specie</u>	<u>es /</u>	<u>Status</u>	Number	of Domina	nt Species					
2								W, or FAC:					(A)
3						Total Nu	Imber of Do	ominant					
4						Species	Across All	Strata:					(B)
50% =, 20% =			= Total	l Cover			of Dominar						(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are	9 OBL, FAC	W, or FAC:					(708)
1						Prevale	nce Index	worksheet:					
2							Total %	6 Cover of :		Multipl	<u>/ by:</u>		
3						OBL spe	ecies			x1 =		-	
4						FACW s	pecies			x2 =		_	
5						FAC spe	ecies			x3 =		-	
50% =, 20% =			= Total	l Cover		FACU s	pecies			x4 =		_	
Herb Stratum (Plot size:)						UPL spe	ecies			x5 =		_	
1. <u>Festuca perennis</u>	<u>95</u>		<u>yes</u>		FAC	Column	Totals:	(A)				(B)
2. <u>Hordeum marinum</u>	<u>10</u>		no		FAC			Prevalence In	dex = B/A	= <u>3</u>			
3. <u>Holocarpha virgata</u>	<u>5</u>		no		UPL	Hydrop	hytic Vege	tation Indicator	's:				
4							Domina	nce Test is >509	%				
5							Prevale	nce Index is <3.	0 ¹				
6								logical Adaptatio		ide supr	ortina		
7							data in l	Remarks or on a	a separate	sheet)	g		
8							Problem	natic Hydrophyti	c Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>110</u>		= Total	l Cover					0		,		
Woody Vine Stratum (Plot size:)								c soil and wetlan disturbed or prol		gy must			
1						20 01000							
2						Hydrop	hvtic						
50% =, 20% =			= Total	l Cover		Vegetat	ion		Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Present	7						
Remarks:													

US Army Corps of Engineers

SOIL														Samp	ling Po	int: <u>4</u>	<u>0a</u>
Profile Desc	ription: (Describ	e to the	e depth	neede	ed to d	ocument	the indicato	r or conf	irm the abs	sence o	f indica	tors.)					
Depth	Matrix	(Redox Featu	res									
(inches)	Color (moist)		<u>%</u>	Col	or (Mo	<u>ist)</u>	<u>%</u>	Type ¹	Loc ²	-	Textu	ire	<u>Remarks</u>				
<u>0-12</u>	<u>7.5YR 4/2</u>		<u>90</u>	<u>7.</u>	5YR 4/	/4	<u>10</u>	<u>D</u>	<u>M</u>		<u>Clay-</u>	<u>silt</u>	_				
						-				_			_				
						-				_			_				
		_				-				_			_				
						-				_			_				
		-	<u> </u>			-							_				
¹ Type: C= Co	oncentration, D=D	epletior	n, RM=F	Reduce	ed Matr	rix, CS=Co	vered or Coa	ated Sand	d Grains. 2	Locatio		ore Lining, N					
Hydric Soil I	ndicators: (Appl	icable	to all LF	RRs, u	nless	otherwise	noted.)				Ind	icators for F	roblematic	Hydric S	Soils ³ :		
Histoso	ol (A1)					Sandy R	edox (S5)					1 cm Mu	ck (A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped	Matrix (S6)					2 cm Mu	ck (A10) (LR	R B)			
Black H	listic (A3)					Loamy N	lucky Minera	l (F1)				Reduced	Vertic (F18)				
☐ Hydrog	en Sulfide (A4)					Loamy G	Bleyed Matrix	(F2)				Red Pare	ent Material (TF2)			
Stratifie	ed Layers (A5) (Ll	RR C)			\boxtimes	Depleted	d Matrix (F3)					Other (E	plain in Ren	narks)			
□ 1 cm M	luck (A9) (LRR D))				Redox D	ark Surface	(F6)									
Deplete	ed Below Dark Su	rface (A	411)			Depleted	Dark Surfac	ce (F7)									
Thick D	Dark Surface (A12	:)				Redox D	epressions (F8)				³ Indicator	s of hydroph	ytic vege	etation	and	
Sandy	Mucky Mineral (S	1)				Vernal P	ools (F9)						d hydrology i				
Sandy	Gleyed Matrix (S4	4)										unles	s disturbed	or proble	matic.		
Restrictive L	ayer (if present).	:															
Type:																	
Depth (Inches	s):								Hydric So	oils Pre	sent?		Yes	\boxtimes	No		
Remarks:																	
HYDROLO	GY																
Wetland Hyd	Irology Indicator	s:															
Primary Indic	ators (minimum o	f one re	equired;	check	all that	t apply)					Seco	ondary Indica	ors (2 or mo	re requir	ed)		
Surfac	e Water (A1)					Salt Crus	st (B11)					Water Mark	s (B1) (Rive r	ine)			
🛛 🛛 High V	Vater Table (A2)					Biotic Cr	ust (B12)					Sediment D	eposits (B2)	(Riverin	e)		
Satura Satura	tion (A3)					Aquatic I	nvertebrates	(B13)				Drift Deposi	ts (B3) (Rive	rine)			
□ Water	Marks (B1) (Noni	riverine	∍)			Hydroge	n Sulfide Od	or (C1)				Drainage Pa	atterns (B10)				
Sedim	ent Deposits (B2)	(Nonri	verine)			Oxidized	Rhizospher	es along	Living Root	s (C3)		Dry-Season	Water Table	e (C2)			
Drift D	eposits (B3) (Non	riverin	e)			Presence	e of Reduced	d Iron (C4	4)			Crayfish Bu	rows (C8)				
□ Surfac	e Soil Cracks (B6)				Recent I	ron Reductio	n in Tille	d Soils (C6)			Saturation \	isible on Ae	rial Imag	ery (CS	9)	
🔲 Inunda	tion Visible on Ae	erial Ima	agery (B	37)		Thin Muo	ck Surface (C	27)				Shallow Aqu	itard (D3)				
□ Water-	Stained Leaves (B9)				Other (E	xplain in Rer	narks)				FAC-Neutra	l Test (D5)				
Field Observ	vations:																
Surface Wate	er Present?	Yes	\boxtimes	No		Dep	th (inches):	<u>6</u>									
Water Table	Present?	Yes	\boxtimes	No		Dep	th (inches):	0									
Saturation Pr		Yes		No			th (inches):	0		Wetla	nd Hvd	rology Pres	ent?	Yes	\boxtimes	No	
(includes cap Describe Rec	illary fringe) corded Data (strea						()		ns), if availa				•		<u> </u>		<u> </u>

Project Site: <u>SPTC-JPA</u>					City/Count	r: Folsom/El Dorado Sampling Date: <u>12/23/2</u>	2014
Applicant/Owner: El Dorado County Department of	f Econom	ic De	evelopr	nent	-	State: <u>CA</u> Sampling Point: <u>40b</u>	
Investigator(s): KCV					Section, To	wnship, Range: <u>S 25, T9N, R8E</u>	
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	cave, convex, none): <u>none</u> Slope (%):	<u>1</u>
Subregion (LRR): <u>C</u>	Lat: N	1 38.	<u>61751</u>			Long: <u>w 121.08028</u> Datum: <u>NAD 83</u>	
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 percer	nt slo	opes			NWI classification: Upland	
Are climatic / hydrologic conditions on the site typic	cal for this	s tim	e of ye	ar?	Yes 🛛	No 🔲 (If no, explain in Remarks.)	
Are Vegetation D, Soil D, or Hydrology	□ sigr	nifica	ntly dis	sturbed	? Are "	lormal Circumstances" present? Yes 🛛 N	10 □
Are Vegetation □, Soil □, or Hydrology	nat	urally	/ proble	ematic	? (If ne	eded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map sh	nowina	sam	plina	point	locations.	transects, important features, etc.	
Hydrophytic Vegetation Present?	Yes		No		,		
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	oled Area within a Wetland? Yes 🗌 N	lo 🛛
Wetland Hydrology Present?	Yes		No	\boxtimes			
Remarks:							
VEGETATION – Use scientific names of plants							
Tree Stratum (Plot size:)	Absolute		Domin		Indicator	Dominance Test Worksheet:	
1.	% Cove	<u> </u>	<u>Specie</u>	es?	Status		
2.						Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
3.							
4.						Total Number of Dominant Species Across All Strata:	(B)
50% =, 20% =			= Tota	l Cove		Percent of Dominant Species	
Sapling/Shrub Stratum (Plot size:)						That Are OBL, FACW, or FAC:	(A/B)
<u></u> ,						Prevalence Index worksheet:	
2.						Total % Cover of : Multiply by:	
3						OBL species x1 =	
4.						FACW species x2 =	
5						FAC species x3 =	
50% =, 20% =			= Tota	l Cove	 r	FACU species x4 =	
Herb Stratum (Plot size:)						UPL species x5 =	
1. <u>Elvmus caput-medusae</u>	<u>70</u>		ves		UPL	Column Totals: (A)	(B)
2. <u>Erodium botrys</u>	40		ves		FACU	Prevalence Index = B/A =	
3	10		<u>700</u>		17100	Hydrophytic Vegetation Indicators:	
4.						Dominance Test is >50%	
5.						Prevalence Index is $<3.0^{1}$	
6							
7.						Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
8						Problematic Hydrophytic Vegetation ¹ (Explain)	
50% = , 20% =	110		= Tota	l Cove			
Woody Vine Stratum (Plot size:)	110		- 1010			¹ Indicators of hydric soil and wetland hydrology must	
1.						be present, unless disturbed or problematic.	
2.							
50% = , 20% =			= Tota	l Cove	,	Hydrophytic Yes I No	\boxtimes
% Bare Ground in Herb Stratum	% Cov		f Biotic			Present?	
Remarks:							

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Project Site: SPTC-JP

SOIL															Samp	ling Po	nt: <u>4</u>	0b
Profile Desc	ription: (Descril	be to th	e deptł	n neede	ed to d	ocument	t the indic	ator or con	firm the abs	sence o	f indica	ators.)						
Depth	Matr	ix					Redox Fe	atures										
(inches)	Color (moist	<u>)</u>	<u>%</u>	Co	lor (Mo	<u>ist)</u>	<u>%</u>	Type ¹	Loc	-	Text	ure	Rema	arks				
<u>0-6</u>	<u>7.5YR4/3</u>	-	<u>100</u>							_	Gravel	/clay						
		_								_								
		_								_								
		-								_								
		-								_								
										_								
	oncentration, D=I							Coated San	d Grains.	Locatio		Pore Lining						
	Indicators: (App	licable	to all L	.RRs, u	_		-					licators fo			-	oils":		
Histos						-	Redox (S5						Auck (A9		-			
	Epipedon (A2)						d Matrix (S						Auck (A1		R B)			
	Histic (A3)					-	Mucky Mir						ed Vertic					
	gen Sulfide (A4)					-	Gleyed Ma						arent Ma		,			
Stratifi	ed Layers (A5) (L	RR C)				Deplete	ed Matrix (F	-3)				Other	(Explain	in Rem	arks)			
1 cm N	Nuck (A9) (LRR D	D)				Redox	Dark Surfa	ce (F6)										
Deplet	ed Below Dark S	urface (A11)			Deplete	ed Dark Su	rface (F7)										
Thick I	Dark Surface (A1	2)				Redox	Depressior	ns (F8)				³ Indica	tors of h	ydrophy	/tic vege	tation a	and	
□ Sandy	Mucky Mineral (S1)				Vernal	Pools (F9)					wetl	and hydr	rology n	nust be	oresent	,	
Sandy	Gleyed Matrix (S	64)										un	less dist	urbed o	r proble	matic.		
Restrictive	Layer (if present	:):																
Туре:	hard layer																	
Depth (Inche	es): <u>6</u>								Hydric Se	oils Pre	sent?			Yes		No	\boxtimes	
Remarks:																		
HYDROLO	GY																	
	drology Indicato	ors:																
-	cators (minimum		equired	; check	all tha	t apply)					Seco	ondary Indi	cators (2	or mor	e requir	ed)		
	e Water (A1)			,			ust (B11)					Water Ma			-	,		
_	Vater Table (A2)						Crust (B12)					Sediment		-	-	e)		
_	ation (A3)						: Invertebra	tes (B13)				Drift Depo				- /		
_	Marks (B1) (Nor	riverin	e)			-	en Sulfide					Drainage			,			
	ent Deposits (B2		-	`					Living Root	s (C3)		Dry-Seas			(C2)			
	eposits (B3) (No	, .		,				ced Iron (C	0	- ()		Crayfish I			()			
	ce Soil Cracks (B		,						d Soils (C6)			Saturation			al Imag	erv (C9	`	
	ation Visible on A	,	agery (I	B7)			uck Surfac					Shallow A			armag	, oo	,	
	-Stained Leaves		ugory (i	51)			Explain in I					FAC-Neu	-					
Field Obser		(20)						comarkoj						(20)				
Surface Wat		Yes		No	\boxtimes	De	pth (inches	.)·										
Water Table		Yes		No			pth (inches											
Saturation P																_		5
(includes cap		Yes		No	\boxtimes	De	pth (inches	s):		Wetla	nd Hyc	Irology Pro	esent?		Yes		No	\boxtimes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folsor</u>	n/El Dorad	<u>lo</u>	Sampli	ng Date:	<u>12/23</u>	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment			Sta	te: <u>CA</u>	Samplir	ng Point:	<u>41a</u>		
Investigator(s): KCV					Section, To	ownship, F	Range: <u>S</u>	<u>36, T9N, R8E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, con	vex, none)	: <u>concave</u>		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.59	273			Long:	-121.047	<u>59</u>	D	atum: <u>N</u>	JAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	nt slo	opes					NWI cla	ssification:	Seasona	al Wetla	nd	
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No	🔲 (lfı	no, explain in	Remarks.)				
Are Vegetation , Soil , or Hydrology	🗌 sig	nifica	antly dis	sturbed	? Are "	Normal Ci	rcumstanc	es" present?		Yes	\boxtimes	No	
Are Vegetation , Soil , or Hydrology	🗆 nat	urally	y proble	ematic	? (If ne	eeded, exp	lain any ar	swers in Rem	narks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nlina	noint	locations	transec	ts imnor	tant feature	as atc				
Hydrophytic Vegetation Present?	Yes		No		locations,	, transco	.o, impor						
Hydric Soil Present?	Yes		No		Is the Sam	npled Area	a within a	Wetland?		Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No			•							
Remarks:													
VEGETATION – Use scientific names of plants	5.												
Tree Stratum (Plot size:)	Absolute		Domin		Indicator	Domina	nce Test V	Norksheet:					
1.	% Cove	<u> </u>	Specie	<u> </u>	<u>Status</u>	Number	of Domina	Int Species					
2.			_					CW, or FAC:					(A)
3						Total Nu	mber of De	ominant					
4						Species	Across All	Strata:					(B)
50% =, 20% =			= Tota	l Cove				nt Species					(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are	OBL, FAC	CW, or FAC:					(A/D)
1						Prevale	nce Index	worksheet:					
2							Total 9	% Cover of :		Multiply	<u>y by:</u>		
3						OBL spe	ecies			x1 =		_	
4						FACW s	pecies			x2 =		_	
5						FAC spe	ecies			x3 =		_	
50% =, 20% =			= Tota	I Cove		FACU sp	pecies			x4 =		_	
Herb Stratum (Plot size:)						UPL spe	cies			x5 =		_	
1. <u>Festuca perennis</u>	<u>95</u>		<u>ves</u>		FAC	Column	Totals:	(#	A)			_ (B)
2								Prevalence	e Index = B/A	. = <u>3</u>			
3.						Hydropi	hytic Vege	tation Indica	tors:				
4.						. ⊠		ance Test is >					
5.							Prevale	ence Index is	$< 3.0^{1}$				
6.								ological Adapt	_	ide sunn	ortina		
7.							data in	Remarks or o	n a separate	sheet)	orting		
8							Probler	natic Hydroph	vtic Vegetat	ion ¹ (Exp	olain)		
50% =, 20% =	95		= Tota	l Cove			1100101	natio riyaropi	iyuo vogotat		lain		
Woody Vine Stratum (Plot size:)	_							c soil and wet		gy must			
1						be prese	ent, uniess	disturbed or p	problematic.				
2						Harden	hutio						
50% =, 20% =			= Tota	l Cove		Hydropl Vegetat			Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Present							
Remarks:													

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SOIL														Samp	ling Po	int: <u>4</u>	<u>1a</u>
	ription: (Describe	to the	depth	neede	d to d				irm the abs	sence of	f indicat	ors.)					
Depth	Matrix					Re	dox Featu										
<u>(inches)</u>	Color (moist)	<u>%</u>	<u>,</u>		or (Mo		6	Type ¹	Loc ²	-	Textu	<u>e F</u>	<u>Remarks</u>				
<u>0-12</u>	<u>7.5YR 4/2</u>	<u>90</u>	<u>0</u>	7.	5YR 4/	<u>/4 1</u>	<u>0</u>	<u>D</u>	<u>M</u>		<u>Clay</u>		-				
				-						_			-				
				-									-				
				-						_			-				
				-									-				
				-									_				
	oncentration, D=De							ated Sand	d Grains.	Locatio		ore Lining, M=			3		
	ndicators: (Appli	cable to	all LR	Rs, u	_		-					cators for Pr		-	Soils':		
Histoso						Sandy Red							k (A9) (LRR	-			
	Epipedon (A2)					Stripped Ma							k (A10) (LR I	R B)			
	Histic (A3)					Loamy Muc							Vertic (F18)				
	en Sulfide (A4)					Loamy Gley		: (F2)					nt Material (
	ed Layers (A5) (LF	(R C			\boxtimes	Depleted M						Other (Exp	olain in Rem	narks)			
	luck (A9) (LRR D)					Redox Darl		. ,									
	ed Below Dark Sur		1)			Depleted D											
	Dark Surface (A12)					Redox Dep		F8)				³ Indicators	of hydroph	ytic vege	tation	and	
Sandy	Mucky Mineral (S)				Vernal Poo	ls (F9)						hydrology r			t,	
Sandy	Gleyed Matrix (S4)										unless	s disturbed o	or proble	matic.		
Restrictive L	ayer (if present):																
Туре:														_			
Depth (Inche	s):								Hydric So	oils Pre	sent?		Yes	\boxtimes	No		
Remarks:																	
HYDROLO	GY																
Wetland Hyd	Irology Indicators	s:															
Primary Indic	ators (minimum of	one req	uired;	check	all that	t apply)					Secor	ndary Indicato	ors (2 or moi	re requir	ed)		
Surfac	e Water (A1)					Salt Crust (B11)					Water Marks	(B1) (River	ine)			
🖾 🛛 High V	Vater Table (A2)					Biotic Crust	t (B12)					Sediment De	posits (B2)	(Riverin	e)		
🛛 Satura	tion (A3)					Aquatic Inv	ertebrates	(B13)				Drift Deposits	s (B3) (Rive	rine)			
□ Water	Marks (B1) (Nonr	verine)				Hydrogen S	Sulfide Od	or (C1)				Drainage Pat	terns (B10)				
Sedim	ent Deposits (B2)	(Nonrive	erine)			Oxidized R	hizosphere	es along	Living Root	s (C3)		Dry-Season V	Nater Table	(C2)			
Drift D	eposits (B3) (Non i	viverine))			Presence o	f Reduced	d Iron (C4	ł)			Crayfish Burr	ows (C8)				
Surfac	e Soil Cracks (B6)					Recent Iror	Reductio	n in Tille	d Soils (C6)			Saturation Vis	sible on Aer	ial Imag	ery (CS))	
🔲 Inunda	ation Visible on Ae	rial Imag	ery (B	7)		Thin Muck	Surface (C	27)				Shallow Aqui	tard (D3)				
□ Water-	Stained Leaves (E	39)				Other (Expl	ain in Ren	narks)				FAC-Neutral	Test (D5)				
Field Observ	vations:																
Surface Wate	er Present?	Yes	\boxtimes	No		Depth	(inches):	<u>1</u>									
Water Table	Present?	Yes	\boxtimes	No		Depth	(inches):	<u>0</u>									
Saturation Pr (includes cap		Yes	\boxtimes	No		Depth	(inches):	<u>0</u>		Wetla	nd Hydr	ology Prese	nt?	Yes	\boxtimes	No	
	corded Data (strea	m gauge	e, moni	itoring	well, a	erial photos,	previous i	nspectio	ns), if availa	ble:							

Project Site: <u>SPTC-JPA</u>					City/Count	ty: Folsom/	El Dorado	Samp	ling Date:	12/23	/201	4
Applicant/Owner: <u>El Dorado County Department o</u>	f Econom	ic De	evelopr	ment	-		State:	CA Sampl	ing Point:	41b		
Investigator(s): KCV					Section, To	ownship, Ra	ange: <u>S 22,</u>	T8, R1				
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, conv	ex, none): <u>n</u>	ione	Slo	pe (%):	5	
Subregion (LRR): <u>C</u>	Lat: 3	8.59	2748			Long:	121.047569	<u>3</u> I	Datum: <u>N</u>	VAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	nt slo	opes					NWI classification:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No	□ (If no, e	explain in Remarks.)				
Are Vegetation , Soil , or Hydrology	🗌 sigi	nifica	ntly dis	sturbec	? Are "	Normal Circ	umstances"	present?	Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	nat	urally	y proble	ematic	? (If ne	eded, expla	in any answe	ers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowina	sam	plina	point	locations.	transects	s. importan	t features. etc.				
Hydrophytic Vegetation Present?	Yes		No				,					
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Area	within a Wet	land?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No									
Remarks:												
VEGETATION – Use scientific names of plants												
Tree Stratum (Plot size:)	Absolute		Domin		Indicator	Dominan	ce Test Wor	ksheet:				
	% Cove	<u>r</u>	Specie	es?	Status							
1 2.							f Dominant S OBL, FACW,					(A)
3.												
4.							ber of Domir cross All Stra					(B)
50% =, 20% =			– Tota	l Cove	 r	-						
Sapling/Shrub Stratum (Plot size:)			- 1010				f Dominant S OBL, FACW,					(A/B)
1.						Prevalence	ce Index wo	rksheet:				
2.							Total % C		Multiply	v bv:		
3						OBL spec			x1 =	<u>1 21.</u>		
4.						FACW sp			x2 =		-	
5.						FAC spec			x3 =		-	
50% =, 20% =			= Tota	I Cove	r	FACU spe			x4 =		-	
Herb Stratum (Plot size:)						UPL spec			x5 =		-	
1. <u>Erodium botrys</u>	<u>40</u>		ves		FACU	Column T		(A)	10		- (B)
2. <u>Festuca perennis</u>	<u>15</u>		<u>no</u>		FAC	Column		valence Index = B/A =	_			-
3. Elymus captu-medusae	<u>60</u>		ves			Hydrophy		on Indicators:				
4.	00		<u>ycs</u>				-	e Test is >50%				
5.												
6								e Index is <u><</u> 3.0¹				
7.								ical Adaptations ¹ (Pro narks or on a separat		orting		
8							Droblomati	a Lludranhutia Varata	tion ¹ (Evr	alaia)		
50% = , 20% =	115		- Tota	l Cove			Problemati	c Hydrophytic Vegeta	tion (Exp	lain)		
Woody Vine Stratum (Plot size:)	<u>115</u>		- 1018					il and wetland hydrol				
1.						be presen	t, unless dist	urbed or problematic.				
2.												
50% =, 20% =			= Tota	l Cove		Hydrophy Vegetatio		Yes		No		\boxtimes
% Bare Ground in Herb Stratum	% Co	vero	f Biotic			Present?						
Remarks:	/0 00		. 5.040	. 0.001		I						
Romano.												

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL											Samp	ling Po	oint: <u>4</u>	11 <u>b</u>
Profile Descr	iption: (Descri	be to th	ne depti	h need	led to d	locument the indicator or co	onfirm the abs	sence o	f indicat	ors.)				
Depth	Matr	rix				Redox Features								
(inches)	Color (moist	<u>t)</u>	<u>%</u>	<u>Cc</u>	olor (Mo	<u>ist) % Type</u>	Loc ²	-	<u>Textur</u>	re <u>Remarks</u>				
<u>0-12</u>	<u>7.5YR 4/3</u>		<u>100</u>					_	Gravel/c	<u>clay</u>				
		_						_						
		_						_						
		_						_						
		_						_						
		_						_						
¹ Type: C= Cor	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or Coated S	and Grains. 2	Locatio	n: PL=Pc	ore Lining, M=Matrix.				
Hydric Soil In	ndicators: (App	olicable	to all L	.RRs, u	unless	otherwise noted.)				cators for Problematic H	lydric S	Soils ³ :		
Histosol	l (A1)					Sandy Redox (S5)				1 cm Muck (A9) (LRR	C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)				2 cm Muck (A10) (LRF	R B)			
Black H	istic (A3)					Loamy Mucky Mineral (F1)				Reduced Vertic (F18)				
Hydroge	en Sulfide (A4)					Loamy Gleyed Matrix (F2)				Red Parent Material (1	[F2)			
	d Layers (A5) (I	LRR C)				Depleted Matrix (F3)				Other (Explain in Rem				
	uck (A9) (LRR [-				Redox Dark Surface (F6)			_		/			
	d Below Dark S		(A11)			Depleted Dark Surface (F7								
	ark Surface (A1		(,)			Redox Depressions (F8)				2				
_	Mucky Mineral (-				Vernal Pools (F9)				³ Indicators of hydrophy	•			
-	Gleyed Matrix (S									wetland hydrology n unless disturbed o		-	it,	
,	ayer (if present	,									proble	mano.		
Type:	ayer (il present	.												
Depth (Inches	.). 						Hydric So	oils Pre	sent?	Yes		No	\boxtimes	1
Remarks:							inyane et		Jointi	103		110		2
Remarks.														
HYDROLOG	GY													
Wetland Hydr	rology Indicato	ors:												
Primary Indica	ators (minimum	of one r	required	; checl	k all tha	t apply)			Secor	ndary Indicators (2 or mor	e requir	ed)		
Surface	e Water (A1)					Salt Crust (B11)				Water Marks (B1) (Riveri	ne)			
🔲 High W	ater Table (A2)					Biotic Crust (B12)				Sediment Deposits (B2) (Riverin	e)		
□ Saturat	ion (A3)					Aquatic Invertebrates (B13)				Drift Deposits (B3) (River	ine)			
U Water M	Marks (B1) (No r	nriverin	ie)			Hydrogen Sulfide Odor (C1				Drainage Patterns (B10)				
Sedime	ent Deposits (B2	2) (Non r	riverine)		Oxidized Rhizospheres alo	ng Living Roots	s (C3)		Dry-Season Water Table	(C2)			
Drift De	eposits (B3) (No	onriverii	ne)			Presence of Reduced Iron	C4)			Crayfish Burrows (C8)				
	e Soil Cracks (B					Recent Iron Reduction in T				Saturation Visible on Aeri	al Imag	ery (C	9)	
	tion Visible on A	-	nagerv (l	B7)		Thin Muck Surface (C7)	()			Shallow Aquitard (D3)	0		,	
	Stained Leaves			,		Other (Explain in Remarks)				FAC-Neutral Test (D5)				
Field Observa		(= •)				,								
Surface Water		Yes		No	\boxtimes	Depth (inches):								
Water Table F		Yes		No		Depth (inches):	-							
Saturation Pre		162		INU			_							
(includes capi	llary fringe)	Yes		No	\boxtimes	Depth (inches):			nd Hydr	ology Present?	Yes		No	\boxtimes
Describe Reco	orded Data (stre	eam gau	uge, mo	nitorinę	g well, a	aerial photos, previous inspec	ions), if availal	ble:						
Romarks.														

US Army Corps of Engineers

Project Site: <u>SPTC-JPA</u>			City/Count	y: Folsom/El Dorado	Sampling Dat	te: <u>12/23/</u>	2014
Applicant/Owner: El Dorado County Department o	f Economic D	evelopment		State: CA	Sampling Poir	nt: <u>42b</u>	
Investigator(s): KCV			Section, To	ownship, Range: <u>S 36, T9N, R8E</u>			
Landform (hillslope, terrace, etc.): Hillslope		Lo		ncave, convex, none): none	S	Slope (%):	<u>1</u>
Subregion (LRR): <u>C</u>	Lat: <u>38.5</u>	950804		Long: <u>-121.0520526</u>	Datum:	NAD 83	
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 percent s	lopes		NWI classi	ification: Upland	<u>d</u>	
Are climatic / hydrologic conditions on the site typi	ical for this tir	ne of year?	Yes 🛛	No 🔲 (If no, explain in Re	marks.)		
Are Vegetation □, Soil □, or Hydrology	□ signific	antly disturbed	? Are "	Normal Circumstances" present?	Ye	es 🛛	No 🗆
Are Vegetation □, Soil □, or Hydrology	natural	ly problematic	? (If ne	eded, explain any answers in Remar	ks.)		
SUMMARY OF FINDINGS – Attach site map sl	owing oor	nnling noint	locations	transacto important factures	oto		
Hydrophytic Vegetation Present?	Yes 🛛		locations,	transects, important reatures,	610.		
Hydric Soil Present?	Yes 🗆		Is the Sam	pled Area within a Wetland?	Ye	s □ ∣	No 🖂
Wetland Hydrology Present?	Yes 🛛			F			
	100 23						
Remarks:							
VEGETATION – Use scientific names of plant	S. Absolute	Dominant	Indicator				
Tree Stratum (Plot size:)	<u>% Cover</u>	Species?	<u>Status</u>	Dominance Test Worksheet:			
1				Number of Dominant Species			(A)
2				That Are OBL, FACW, or FAC:		_	() ()
3				Total Number of Dominant			(B)
4				Species Across All Strata:			(2)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species			(A/B)
Sapling/Shrub Stratum (Plot size:)				That Are OBL, FACW, or FAC:		_	(,,,,,)
1				Prevalence Index worksheet:			
2				Total % Cover of :	Multi	iply by:	
3				OBL species <u>70</u>	x1 =	<u>70</u>	
4				FACW species	x2 =		
5				FAC species 2	x3 =	<u>6</u>	
50% =, 20% =		= Total Cove	r	FACU species <u>40</u>	x4 =	<u>120</u>	
Herb Stratum (Plot size:)				UPL species <u>15</u>	x5 =	<u>75</u>	
1. <u>Juncus xiphioides</u>	<u>70</u>	<u>ves</u>	<u>OBL</u>	Column Totals: <u>127</u> (A)		<u>271</u> (I	3)
2. Lactuca serriola	<u>40</u>	<u>ves</u>	FACU	Prevalence Ind	ex = B/A = <u>2.13</u>		
3. <u>Geranium molle</u>	<u>15</u>	no	UPL	Hydrophytic Vegetation Indicator	rs:		
4. <u>Rumex pulcher</u>	<u>2</u>	no	FAC	Dominance Test is >50	%		
5				Prevalence Index is <3.	0 ¹		
6.				- Morphological Adaptati		nnorting	
7.				data in Remarks or on a			
8.				Problematic Hydrophyti	c Vogotation ¹ (E	ivalaia)	
50% = , 20% =	127	= Total Cove	r		c vegetation (L	лріант)	
Woody Vine Stratum (Plot size:)				¹ Indicators of hydric soil and wetlan		st	
1.				be present, unless disturbed or pro	blematic.		
2.							
50% = , 20% =		= Total Cove	r	Hydrophytic Vegetation	Yes 🛛	No	
% Bare Ground in Herb Stratum	% Cover	of Biotic Crust		Present?			
	,0 00ver	e. Biolio Orust					
Remarks:							

US Army Corps of Engineers

Project Site:	<u>SPTC-JPA</u>	
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SOIL												Samp	oling Po	oint: <u>4</u>	12b
Profile Desc	ription: (Descr	ibe to th	ne deptl	h need	ed to c	locument the indicato		firm the abs	sence o	f indicat	ors.)				
Depth	Mat	trix				Redox Feat									
<u>(inches)</u>	Color (mois		<u>%</u>		lor (Mo		Type ¹	Loc	-	Textu	re <u>Remarks</u>				
<u>0-12</u>	<u>10YR 4/3</u>		<u>90</u>	<u>1</u>	0YR 4	<u>/4 10</u>			_	Gravel/o	<u>lay</u>				
		-				·			_						
		-				·			_						
		-				·			_						
		-				·			_						
1															
						rix, CS=Covered or Co	ated San	d Grains.	Locatio		ore Lining, M=Matrix.		a 3		
	= =	plicable	to all L	_RRS, U		otherwise noted.)				_	cators for Problemati		Solls":		
						Sandy Redox (S5)					1 cm Muck (A9) (LR	-			
_	Epipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A10) (L	-			
	Histic (A3)					Loamy Mucky Miner					Reduced Vertic (F1				
	en Sulfide (A4)					Loamy Gleyed Matrix					Red Parent Materia				
	ed Layers (A5)	. ,				Depleted Matrix (F3)					Other (Explain in Re	emarks)			
	luck (A9) (LRR					Redox Dark Surface									
	ed Below Dark		(A11)			Depleted Dark Surfa	. ,								
	Oark Surface (A					Redox Depressions	(F8)				³ Indicators of hydrop	ohytic veg	etation	and	
	Mucky Mineral	. ,				Vernal Pools (F9)					wetland hydrology			ıt,	
-	Gleyed Matrix (1			unless disturbed	d or proble	ematic.		
	ayer (if preser.	nt):													
Туре:	. —										v	_		5-7	
Depth (Inches	s):							Hydric S	oils Pre	sent?	Yes		No	X	
Remarks:															
HYDROLO	GY														
Wetland Hyd	Irology Indicat	ors:													
Primary Indic	ators (minimum	n of one i	required	l; check	all tha	it apply)				Secor	ndary Indicators (2 or m	nore requi	red)		
Surfac	e Water (A1)					Salt Crust (B11)					Water Marks (B1) (Riv	erine)			
🖾 🛛 High V	Vater Table (A2)				Biotic Crust (B12)					Sediment Deposits (B2	2) (Riverin	ie)		
Satura	tion (A3)					Aquatic Invertebrates	s (B13)				Drift Deposits (B3) (Riv	/erine)			
□ Water	Marks (B1) (No	onriverin	ie)			Hydrogen Sulfide Oc	lor (C1)				Drainage Patterns (B1)	D)			
Sedim	ent Deposits (B	2) (Non i	riverine	e)		Oxidized Rhizospher	es along	Living Root	s (C3)		Dry-Season Water Tab	ole (C2)			
Drift D	eposits (B3) (N	onriveri	ne)			Presence of Reduce	d Iron (C	4)			Crayfish Burrows (C8)				
□ Surfac	e Soil Cracks (I	B6)				Recent Iron Reduction	on in Tille	d Soils (C6)			Saturation Visible on A	erial Imag	ery (C	9)	
🔲 Inunda	tion Visible on	Aerial Im	nagery (B7)		Thin Muck Surface (C7)				Shallow Aquitard (D3)				
□ Water-	Stained Leaves	s (B9)				Other (Explain in Re	marks)				FAC-Neutral Test (D5)				
Field Observ	vations:														
Surface Wate	er Present?	Yes		No	\boxtimes	Depth (inches):									
Water Table	Present?	Yes	\boxtimes	No		Depth (inches):	2								
Saturation Pr (includes cap	esent?	Yes	\boxtimes	No		Depth (inches):	<u>0</u>		Wetla	ınd Hydr	ology Present?	Yes	\boxtimes	No	
Describe Rec	corded Data (str	ream gau	uge, mo	onitoring	g well, a	aerial photos, previous	inspectio	ns), if availa	ble:						
Remarks:															

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Project Site: <u>SPTC-JPA</u>					City/Count	nty: <u>Fo</u>	olsom/	El Dorac	do		Samplir	ng Date:	12/23	8/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopi	ment				Sta	te: <u>C/</u>	<u>A</u>	Samplin	g Point:	<u>43a</u>		
Investigator(s): KCV					Section, To	Townsh	iip, Ra	nge: <u>S</u>	<u>22, T8</u>	<u>, R1</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	oncave	conve	ex, none): <u>con</u>	icave		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.59	936			Lo	ong: <u>-</u>	121.055	94		Da	atum: <u>N</u>	NAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	nt slo	opes						1	NWI classi	fication:	Seasona	al Wetla	and	
Are climatic / hydrologic conditions on the site typi	cal for this	s tim	e of ye	ear?	Yes 🛛	3	No] (If	no, exp	olain in Re	marks.)				
Are Vegetation □, Soil □, or Hydrology	🗆 sigi	nifica	ntly di	sturbed	? Are "	"Norm	al Circ	umstanc	es" pre	esent?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗌 nat	urally	y probl	ematic?) (If ne	eeded,	explai	n any ar	nswers	in Remar	ks.)				
								_							
SUMMARY OF FINDINGS – Attach site map sh Hydrophytic Vegetation Present?	Yes	sam ⊠	pling No	point	locations,	s, tran	sects	, impoi	rtant f	eatures,	etc.				
Hydric Soil Present?	Yes		No		Is the Sam	mplad	Aroay	vithin a	Wotla	nd2		Yes		No	
•					is the Sall	Inpieu	Aleav	viuiiii a	Wella			163		NU	
Wetland Hydrology Present?	Yes	\boxtimes	No												
Remarks:															
VEGETATION – Use scientific names of plants			Develo		la dia atau	-									
Tree Stratum (Plot size:)	Absolute <u>% Cove</u>		Domir Specie		Indicator Status	Don	ninano	e Test	Works	heet:					
1						Nun	nber of	Domina	ant Spe	ecies					(A)
2						Tha	t Are C	OBL, FA	CW, or	FAC:					(A)
3						Tota	al Num	ber of D	omina	nt					(B)
4						Spe	cies A	cross Al	l Strata	a:					(B)
50% =, 20% =			= Tota	al Cover				Domina							(A/B)
Sapling/Shrub Stratum (Plot size:)						Tha	t Are C	OBL, FA	CW, or	FAC:					(AD)
1						Pre	valenc	e Index	works	sheet:					
2								Total 9	% Cov	er of :		Multipl	<u>y by:</u>		
3						OBL	speci	es	_			x1 =		_	
4						FAC	W spe	ecies	_			x2 =		_	
5						FAC	speci	es				x3 =		_	
50% =, 20% =			= Tota	al Cover		FAC	U spe	cies				x4 =		_	
Herb Stratum (Plot size:)						UPL	. speci	es	_			x5 =		_	
1. <u>Festuca perennis</u>	<u>30</u>		<u>yes</u>		FAC	Colu	umn To	otals:		(A)				_ (B	5)
2. <u>Hordeum marinum</u>	<u>40</u>		<u>yes</u>		FAC				Pre	valence In	dex = B/A	= <u>3</u>			
3						Hyd	rophy	tic Vege	etation	Indicator	'S:				
4						D	3	Domina	ance T	est is >50°	%				
5]	Prevale	ence In	ndex is <3.	0 ¹				
6							_			I Adaptatio		ide supr	ortina		
7										rks or on a			3		
8]	Proble	matic F	lydrophyti	c Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>70</u>		= Tota	al Cover						<u>, , , , , , , , , , , , , , , , , , , </u>	- 5				
Woody Vine Stratum (Plot size:)										and wetlan bed or pro		gy must			
1						net	n esen	, uness	นเอเนท		orematic.				
2.						Hurd	ronh	tic							
50% =, 20% =			= Tota	al Cover			rophy etatio				Yes	\boxtimes	No	,	
% Bare Ground in Herb Stratum	% Cov	ver o	f Biotic	c Crust		Pre	sent?								
Remarks:															

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SOIL													Samp	ling Po	oint: <u>4</u>	<u>3a</u>
Profile Descr	ription: (Descri	be to th	e depth	n need	ed to d	ocument the indicato	r or con	firm the abs	sence of	indicate	ors.)					
Depth	Matr	ix				Redox Featu	ires									
(inches)	Color (moist	<u>)</u>	<u>%</u>	Co	<u>lor (Mo</u>	<u>ist) %</u>	Type ¹	Loc ²		Texture	<u>e Rema</u>	arks				
<u>0-12</u>	<u>7.5YR 4/2</u>		<u>80</u>	7	.5YR 4	<u>4 20</u>	<u>D</u>	M		<u>Clay</u>						
		_							_							
									_							
									_							
									_							
									_							
¹ Type: C= Co	ncentration, D=	Depletio	n, RM=	Reduc	ed Mati	ix, CS=Covered or Coa	ated San	d Grains. 2	Locatior	n: PL=Po	re Lining, M=Mat	rix.				
Hydric Soil In	ndicators: (App	licable	to all L	RRs, u	inless	otherwise noted.)					cators for Proble		lydric S	soils ³ :		
Histoso	l (A1)					Sandy Redox (S5)					1 cm Muck (A9	9) (LRR (C)			
Histic E	pipedon (A2)					Stripped Matrix (S6)					2 cm Muck (A1	0) (LRR	2 B)			
Black H	listic (A3)					Loamy Mucky Minera	al (F1)				Reduced Vertic	c (F18)	-			
	en Sulfide (A4)					Loamy Gleyed Matrix					Red Parent Ma		F2)			
	ed Layers (A5) (I					Depleted Matrix (F3)	. ()				Other (Explain		-			
	uck (A9) (LRR [,				Redox Dark Surface	(F6)									
	ed Below Dark S	,	A11)			Depleted Dark Surface										
	ark Surface (A1		,,,,,			Redox Depressions (0					
_	Mucky Mineral (-				Vernal Pools (F9)	10)				³ Indicators of h		-			
	Gleyed Matrix (S										wetland hydr unless dist				t,	
	ayer (if present	,												matic.		
	ayer (ii presen	<i>.</i> ,.														
Type:								Hydric So	alle Drog	cont?		Yes	\boxtimes	No		1
Depth (Inches Remarks:	5)							Hyunc Sc		Senti		163		NU		1
Remarks.																
HYDROLOG	GY															
Wetland Hyd	rology Indicato	ors:														
Primary Indica	ators (minimum	of one r	equired	; check	all tha	t apply)				Secon	dary Indicators (2	2 or more	e requir	ed)		
Surface	e Water (A1)					Salt Crust (B11)					Water Marks (B1)	(Riverii	ne)			
🖂 🛛 High W	/ater Table (A2)					Biotic Crust (B12)					Sediment Deposit	ts (B2) (Riverin	e)		
Saturat	tion (A3)					Aquatic Invertebrates	s (B13)				Drift Deposits (B3) (Riveri	ine)			
Water I	Marks (B1) (Nor	nriverin	e)			Hydrogen Sulfide Od	or (C1)				Drainage Patterns	s (B10)				
	ent Deposits (B2		-)		Oxidized Rhizospher		Living Roots	s (C3)		Dry-Season Wate		(C2)			
	eposits (B3) (No		-			Presence of Reduce	d Iron (C	4)	. ,		Crayfish Burrows		. ,			
	e Soil Cracks (B					Recent Iron Reduction					Saturation Visible	. ,	al Imag	erv (CS	9)	
	tion Visible on A	-	agery (E	37)		Thin Muck Surface (Shallow Aquitard			, (,	
	Stained Leaves		97 (-			Other (Explain in Rei	,				FAC-Neutral Test					
Field Observ		(20)								<u> </u>		(20)				
Surface Wate		Yes	\boxtimes	No		Depth (inches):	<u>1</u>									
Water Table F																
Saturation Pre		Yes		No		Depth (inches):	<u>0</u>							_		_
(includes capi	illary fringe)	Yes	\boxtimes	No		Depth (inches):	<u>0</u>			nd Hydro	ology Present?		Yes	\boxtimes	No	
Describe Rec	orded Data (stre	eam gau	ige, mor	nitoring	y well, a	erial photos, previous i	nspectio	ons), if availat	ble:							
Pomorko:														_		-

Project Site: <u>SPTC-JPA</u>					City/Count	nty: <u>Fol</u> s	som/EI D	orado		Samplir	ng Date:	12/23	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopr	ment				State:	CA	Samplin	ng Point:	<u>43b</u>		
Investigator(s): KCV					Section, To	Fownship	, Range:	<u>S 22.</u>	<u>T8, R1</u>					
Landform (hillslope, terrace, etc.): Hillslope				Loo	cal relief (cor	oncave, c	onvex, n	one): <u>I</u>	none		Slo	oe (%):	<u>5</u>	
Subregion (LRR): <u>C</u>	Lat: 3	88.60	35011			Lon	g: <u>-121.</u>	058922	<u>.8</u>	D	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	nt slo	opes						NWI class	fication:	<u>Upland</u>			
Are climatic / hydrologic conditions on the site typi	cal for thi	s tim	e of ye	ar?	Yes 🛛	1 1	No 🗌	(If no,	explain in Re	marks.)				
Are Vegetation , Soil , or Hydrology	🗌 sigi	nifica	ntly di	sturbed	? Are "l	"Normal	Circums	tances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗆 nat	urally	y probl	ematic?	? (If ne	eeded, e	xplain ar	ny answ	ers in Remar	ks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowing	sam	pling	point	locations,	s, transe	ects, im	porta	nt features,	etc.				
Hydrophytic Vegetation Present?	Yes		No											
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	mpled A	rea withi	in a We	tland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes										
Remarks:														
VEGETATION – Use scientific names of plants	6.													
Tree Stratum (Plot size:)	Absolute		Domin Specie		Indicator	Domi	nance To	est Wo	rksheet:					
1.	<u>% Cove</u>	<u>.</u>	<u>opecie</u>	<u>55 !</u>	<u>Status</u>	Numb	er of Dor	minant	Snacias					
2.									, or FAC:					(A)
3						Total	Number	of Domi	inant					(5)
4							es Acros							(B)
50% =, 20% =			= Tota	al Cover		Perce	nt of Dor	ninant S	Species					(A/B)
Sapling/Shrub Stratum (Plot size:)						That A	Are OBL,	FACW	, or FAC:					(AVD)
1						Preva	lence In	dex wo	orksheet:					
2							<u>Tc</u>	otal % C	Cover of :		Multiply	<u>/ by:</u>		
3						OBL s	species				x1 =		-	
4						FACV	/ species	6			x2 =		_	
5						FAC s	species				x3 =		-	
50% =, 20% =			= Tota	l Cover		FACU	species				x4 =		_	
Herb Stratum (Plot size:)						UPL s	pecies				x5 =		_	
1. <u>Elymus caput-medusae</u>	<u>80</u>		<u>ves</u>		UPL	Colun	nn Totals	:	(A)				_ (B)
2. <u>Festuca perennis</u>	<u>10</u>		<u>no</u>		FAC			Pre	evalence Inde	ex = B/A =				
3						Hydro	ophytic \		ion Indicato					
4							Do	minanc	e Test is >50	%				
5							Pre	evalence	e Index is <u><</u> 3.	.0 ¹				
6									jical Adaptati			orting		
7							dat	ta in Re	marks or on a	a separate	sheet)			
8							Pro	oblemat	ic Hydrophyti	c Vegetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>90</u>		= Tota	l Cover		¹ India	otoro of b	u dria au	oil and wetlar	d hudrolo				
Woody Vine Stratum (Plot size:)									turbed or pro		yy musi			
1														
2						Hydro	phytic			M	_			57
50% =, 20% =			= Tota	al Cover		Veget				Yes		No		\boxtimes
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	crust		11636								
Remarks:														

US Army Corps of Engineers

Project Site:	SPTC-JPA
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SOIL											Samp	oling Po	oint: <u>4</u>	1 <u>3b</u>
Profile Descr	ription: (Descri	be to th	ne deptł	h need	led to d	locument the indicator or con	firm the abs	ence o	f indicat	tors.)				
Depth	Matr	ix				Redox Features								
(inches)	Color (moist	:)	%	Co	olor (Mo	<u>vist) % Type¹</u>	Loc ²		Textu	re <u>Remarks</u>				
<u>0-12</u>	<u>7.5YR 4/3</u>		<u>100</u>					_	Gravel-	clay				
		_						_						
		-						_						
		_						_						
		_						_						
		_						_						
¹ Type: C= Co	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=Covered or Coated San	d Grains. 2	Locatio	n: PL=P	ore Lining, M=Matrix.				
Hydric Soil In	ndicators: (App	olicable	to all L	.RRs, ı	unless	otherwise noted.)				cators for Problematic	Hydric \$	Soils ³ :		
Histoso	l (A1)					Sandy Redox (S5)				1 cm Muck (A9) (LRR				
	pipedon (A2)					Stripped Matrix (S6)				2 cm Muck (A10) (LR	-			
	listic (A3)					Loamy Mucky Mineral (F1)				Reduced Vertic (F18)	-			
	en Sulfide (A4)					Loamy Gleyed Matrix (F2)				Red Parent Material (
	ed Layers (A5) (I					Depleted Matrix (F3)				Other (Explain in Ren	-			
	uck (A9) (LRR [-				Redox Dark Surface (F6)								
	ed Below Dark S	-	(Δ11)			Depleted Dark Surface (F7)								
	ark Surface (A1		(,,,,,)			Redox Depressions (F8)								
_						Vernal Pools (F9)				³ Indicators of hydroph				
-	Mucky Mineral (Vernai Foois (F9)				wetland hydrology		-	t,	
· · · · ·	Gleyed Matrix (S	,								unless disturbed	or proble	ematic.		
	ayer (if presen	t):												
Type:	<u> </u>						Undela Ca			N	_	N	N7	4
Depth (Inches	s):						Hydric So	olis Pre	sent?	Yes		No	X	
Remarks:														
HYDROLOG	GY													
	rology Indicato	ors:												
	ators (minimum		required	; checl	k all tha	t apply)			Seco	ndary Indicators (2 or mo	re requir	red)		
	e Water (A1)		· ·			Salt Crust (B11)				Water Marks (B1) (River				
	/ater Table (A2)					Biotic Crust (B12)				Sediment Deposits (B2)	-	e)		
_	tion (A3)					Aquatic Invertebrates (B13)				Drift Deposits (B3) (Rive	-	-,		
_	Marks (B1) (No r	nriverin	e)			Hydrogen Sulfide Odor (C1)				Drainage Patterns (B10)	-			
	ent Deposits (B2		-	<u>،</u>		Oxidized Rhizospheres along	Living Roots	s (C3)		Dry-Season Water Table				
	ent Deposits (B2) eposits (B3) (No	<i>,</i> ,		,		Presence of Reduced Iron (C	-	s (00)		Crayfish Burrows (C8)	(02)			
						Recent Iron Reduction in Tille	,			Saturation Visible on Ae	iol Imoo		2	
	e Soil Cracks (B tion Visible on A	-	ogon//l	D7)		Thin Muck Surface (C7)	u 30115 (CO)			Shallow Aquitard (D3)	iai iiliay	ery (C:	"	
			iagery (i	57)										
	Stained Leaves	(D9)				Other (Explain in Remarks)				FAC-Neutral Test (D5)				
Field Observ		N/	_		F 7									
Surface Wate		Yes		No		Depth (inches):								
Water Table F		Yes		No	\boxtimes	Depth (inches):								
Saturation Pre (includes capi	illary fringe)	Yes		No	\boxtimes	Depth (inches):			ind Hydr	rology Present?	Yes		No	\boxtimes
Describe Rec	orded Data (stre	eam gau	uge, mo	nitorinę	g well, a	aerial photos, previous inspectio	ns), if availat	ole:						
Romarks ·														

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Project Site: <u>SPTC-JPA</u>					City/Count	nty: <u>Folso</u>	om/El Dor	rado		Samplir	ng Date:	12/23	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopn	nent			S	State: <u>(</u>	CA	Samplin	g Point:	<u>44a</u>		
Investigator(s): KCV					Section, To	ownship,	Range:	<u>S 22, T</u>	<u>8, R1</u>					
Landform (hillslope, terrace, etc.): Hillslope				Loc	al relief (cor	ncave, co	nvex, nor	ne): <u>cc</u>	oncave		Slo	oe (%):	<u>0</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.60	35			Long	: <u>-121.0</u>	<u>5896</u>		D	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	nt slo	opes						NWI classif	ication:	Seasona	I Wetla	nd	
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of yea	ar?	Yes 🛛	N	• □ ((If no, e	xplain in Rer	narks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	ntly dis	sturbed	? Are "	"Normal C	Circumsta	nces" p	resent?		Yes	\boxtimes	No	
Are Vegetation D, Soil D, or Hydrology	🗌 nat	urally	y proble	ematic?	(If ne	eeded, ex	plain any	answei	rs in Remark	(s.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nlina	noint	locations	transe	cts imn	ortant	features	etc				
Hydrophytic Vegetation Present?	Yes		No		ieoutione,	,	oto, imp	ortain	- routur oo,					
Hydric Soil Present?	Yes		No		Is the Sam	npled Are	ea within	a Wetl	and?		Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes		No			•								
Remarks:		_												
VEGETATION – Use scientific names of plants	Absolute	е	Domina	ant	Indicator	Domin	ance Tes	t Work	chaoti					
Tree Stratum (Plot size:)	% Cove	<u>r</u>	<u>Specie</u>	es?	Status									
1							er of Domi re OBL, F							(A)
2					—									
3							lumber of s Across							(B)
50% =, 20% =			= Total	l Cover			t of Domi							
Sapling/Shrub Stratum (Plot size:)							re OBL, F							(A/B)
1.						Preval	ence Ind	ex worl	ksheet:					
2.							Tota	al % Co	ver of :		Multiply	/ by:		
3.						OBL sp					x1 =			
4.							species	-			x2 =		-	
5.						FAC sp		-			x3 =	-		
50% =, 20% =			= Total	l Cover			species	-			x4 =		_	
Herb Stratum (Plot size:)						UPL sp	-	-			x5 =		-	
1. <u>Cyperus eragrostis</u>	<u>5</u>		no		<u>OBL</u>		n Totals:	-	(A)				_ _ (B	0
2. <u>Hordeum marinum</u>	<u>20</u>		ves		FAC	Colum	i i otais.	Pr	evalence Ind	dev – B/A	- 3		_ (=	,
3. Festuca perennis	<u>10</u>		-		FAC	Hydro	obytic Vo		on Indicators		- <u>-</u>			
4. Geranium molle	<u>5</u>		<u>no</u> no					-	Test is >50%					
5.	<u>5</u>		110											
									Index is <3.0					
6 7.							Morp data	ohologic in Rem	al Adaptatio	ns' (Prov separate	ide supp sheet)	orting		
8.										•				
	40		= Total				Prob	ematic	Hydrophytic	vegetati	on (Exp	iain)		
50% =, 20% = Woody Vine Stratum (Plot size:)	<u>40</u>		= 10(a)	Cover					and wetland		gy must			
· · · · · · · · · · · · · · · · · · ·						be pres	sent, unle	ss distu	irbed or prob	lematic.				
1 2.					—									
					—	Hydro				Yes	\boxtimes	No		
50% =, 20% = % Bare Ground in Herb Stratum	0/ 0		= Total f Biotic			Vegeta Preser					_			
	‰ U0	vero		GIUST										
Remarks:														

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SOIL												Samp	ling Po	oint: <u>4</u>	4 <u>a</u>
Profile Desc	ription: (Describe	e to the de	epth nee	ded to d	locument the indi	cator or conf	irm the abs	sence of	f indica	tors.)					
Depth	Matrix				Redox F	eatures									
(inches)	Color (moist)	<u>%</u>	<u>C</u>	olor (Mo	<u>vist) %</u>	Type ¹	Loc ²	2	<u>Textu</u>	<u>re Re</u>	marks				
<u>0-12</u>	<u>7.5YR 4/2</u>	<u>90</u>		7.5YR 4	<u>/4 10</u>	<u>D</u>	<u>M</u>		Clay						
			_					_							
			_					_							
			_					_							
¹ Type: C= Co	oncentration. D=D	epletion. R	_ M=Redu	ced Mat	rix, CS=Covered or	Coated Sand	d Grains. 2	Locatior	n: PL=P	ore Lining, M=N	latrix.				
					otherwise noted.)					icators for Prol		Hvdric S	Soils ³ :		
Histoso			,		Sandy Redox (S					1 cm Muck (-			
	Epipedon (A2)				Stripped Matrix (2 cm Muck (-			
	Histic (A3)				Loamy Mucky Mi					Reduced Ve		,			
_	jen Sulfide (A4)				Loamy Gleyed N					Red Parent					
	ed Layers (A5) (LF				Depleted Matrix					Other (Expla					
		,				. ,						iai ksj			
_	luck (A9) (LRR D)		、		Redox Dark Surf										
	ed Below Dark Su)		Depleted Dark S										
	Dark Surface (A12)				Redox Depressio					³ Indicators o	f hydrophy	ytic vege	etation	and	
	Mucky Mineral (S				Vernal Pools (F9))				wetland h				t,	
-	Gleyed Matrix (S4	-								unless c	listurbed c	or proble	matic.		
Restrictive L	ayer (if present):														
Туре:												_			_
Depth (Inche	s):						Hydric So	oils Pres	sent?		Yes	\boxtimes	No		ł
Remarks:															
HYDROLO	GY														
Wetland Hyd	drology Indicator	s:													
Primary Indic	ators (minimum of	one requ	ired; cheo	ck all tha	it apply)				Seco	ndary Indicators	s (2 or mor	re requir	ed)		
Surfac	e Water (A1)				Salt Crust (B11)					Water Marks (E	31) (River i	ine)			
🖾 🛛 High V	Vater Table (A2)				Biotic Crust (B12	2)				Sediment Depo	osits (B2) (Riverin	e)		
Satura	ition (A3)				Aquatic Inverteb	rates (B13)				Drift Deposits (B3) (Rive i	rine)			
U Water	Marks (B1) (Nonr	iverine)			Hydrogen Sulfide	e Odor (C1)				Drainage Patte	rns (B10)				
□ Sedim	ent Deposits (B2)	(Nonriver	ine)		Oxidized Rhizos	pheres along	Living Roots	s (C3)		Dry-Season Wa	ater Table	(C2)			
_	eposits (B3) (Non	-			Presence of Red	-	-	. ,		Crayfish Burrov		. ,			
	e Soil Cracks (B6)	-			Recent Iron Red					Saturation Visit		ial Imag	erv (CS	9)	
	ation Visible on Ae		rv (B7)		Thin Muck Surfa		()			Shallow Aquita				,	
	-Stained Leaves (E	-	., (2.)		Other (Explain in					FAC-Neutral Te					
Field Observ															
Surface Wate		Yes [🛛 No		Depth (inche	es): <u>3</u>									
Water Table						, _									
		Yes	No No		Depth (inche	es): <u>0</u>									
Saturation Pr (includes cap	oillary fringe)		No No		Depth (inche aerial photos, previo	<i>·</i> _	ac) if availab		nd Hyd	rology Present	?	Yes	\boxtimes	No	
Describe Rec	Joinen Data (Silea	m yauye,	monitoril	iy well, a	aeriai priotos, pievio	us inspection	is), ii availai	DIE.							

Project Site: <u>SPTC-JPA</u>					City/Count	y: Folsom/El Dorado Sampling Date: 12/23/20	014
Applicant/Owner: El Dorado County Department o	f Econom	ic De	evelopr	nent		State: <u>CA</u> Sampling Point: <u>44b</u>	
Investigator(s): KCV					Section, To	ownship, Range: <u>S 22, T8, R1</u>	
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	cave, convex, none): <u>none</u> Slope (%): <u>1</u>	<u>I</u>
Subregion (LRR): <u>C</u>	Lat: 3	38.60	35011			Long: <u>-121.0589228</u> Datum: <u>NAD 83</u>	
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	nt slo	opes			NWI classification: Upland	
Are climatic / hydrologic conditions on the site typi	cal for thi	s tim	e of ye	ar?	Yes 🛛	No 🔲 (If no, explain in Remarks.)	
Are Vegetation , Soil , or Hydrology	🗌 sig	nifica	antly dis	sturbed	? Are "	Normal Circumstances" present? Yes 🛛 Normal Circumstances	∘ □
Are Vegetation \Box , Soil \Box , or Hydrology	🗆 nat	urally	y proble	ematic?	? (If ne	eded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map sh	nowing	sam	plina	point	locations.	transects, important features, etc.	
Hydrophytic Vegetation Present?	Yes		No			······································	
Hydric Soil Present?	Yes		No		Is the Sam	pled Area within a Wetland? Yes 🔲 No	• 🖂
Wetland Hydrology Present?	Yes		No	\bowtie			
Remarks:							
VEGETATION – Use scientific names of plants							
Tree Stratum (Plot size:)	Absolute		Domin		Indicator	Dominance Test Worksheet:	
	% Cove	<u>r</u>	Specie	es?	Status		
1 2						Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
3						Total Number of Dominant	(P)
4						Species Across All Strata:	(B)
50% =, 20% =			= Tota	l Cover		Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size:)						That Are OBL, FACW, or FAC:	(A/B)
1						Prevalence Index worksheet:	
2						Total % Cover of : Multiply by:	
3						OBL species x1 =	
4						FACW species x2 =	
5						FAC species x3 =	
50% =, 20% =			= Tota	l Cover		FACU species x4 =	
Herb Stratum (Plot size:)						UPL species x5 =	
1. <u>Avena sp.</u>	<u>80</u>		<u>yes</u>		<u>UPL</u>	Column Totals: (A)	(B)
2. <u>Lactuca serroila</u>	<u>20</u>		<u>yes</u>		FACU	Prevalence Index = B/A =	
3						Hydrophytic Vegetation Indicators:	
4						Dominance Test is >50%	
5	. <u> </u>					Prevalence Index is $<3.0^{1}$	
6						 Morphological Adaptations¹ (Provide supporting 	
7						data in Remarks or on a separate sheet)	
8			<u> </u>			Problematic Hydrophytic Vegetation ¹ (Explain)	
50% =, 20% =	<u>100</u>		= Tota	l Cover		¹ Indicators of hydric soil and wetland hydrology must	
Woody Vine Stratum (Plot size:)						be present, unless disturbed or problematic.	
1							
2						Hydrophytic	2
50% =, 20% =			= Tota	l Cover		Vegetation Yes No Present?	\boxtimes
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust			
Remarks:							

US Army Corps of Engineers

SOIL										Samp	oling Poin	nt: <u>4</u>	
Profile Desc	ription: (Describe to t	he depth ne	eeded to d	ocument the ind	icator or confirm	n the absence	of indic	ators.)					
Depth	Matrix			Redox	Features								
(inches)	Color (moist)	<u>%</u>	Color (Moi	<u>st) %</u>	Type ¹	Loc ²	Text	<u>ure</u> <u>Rer</u>	<u>marks</u>				
<u>0-6</u>	<u>7.5YR 4/4</u>	<u>100</u>					Grave	I-clay					
ype: C= Co	oncentration, D=Depleti	ion, RM=Red	duced Matr	ix, CS=Covered c	r Coated Sand C	Grains. ² Locati	on: PL=l	Pore Lining, M=Ma	atrix.				
ydric Soil I	ndicators: (Applicable	e to all LRR	s, unless o	otherwise noted.)		Inc	dicators for Prob	lematic H	lydric S	Soils ³ :		
] Histoso	ol (A1)			Sandy Redox (S	S5)			1 cm Muck (A	49) (LRR	C)			
] Histic E	Epipedon (A2)			Stripped Matrix	(S6)			2 cm Muck (A	A10) (LRF	R B)			
Black H	Histic (A3)			Loamy Mucky M	lineral (F1)			Reduced Ver	rtic (F18)				
] Hydrog	jen Sulfide (A4)			Loamy Gleyed	Matrix (F2)			Red Parent N	Material (T	F2)			
Stratifie	ed Layers (A5) (LRR C)		Depleted Matrix	(F3)			Other (Explai	in in Rem	arks)			
] 1 cm N	luck (A9) (LRR D)			Redox Dark Sur	face (F6)								
Deplet	ed Below Dark Surface	(A11)		Depleted Dark S	Surface (F7)								
] Thick [Dark Surface (A12)			Redox Depress	ons (F8)			³ Indicators of	bydrophy	rtic vea	etation a	hd	
] Sandy	Mucky Mineral (S1)			Vernal Pools (F	9)			wetland hy		•		u	
] Sandy	Gleyed Matrix (S4)								isturbed o				
estrictive L	_ayer (if present):												
ype:													
epth (Inche	s):				1	Hydric Soils Pr	esent?		Yes		No	\bowtie	
emarks:													
YDROLO													
	drology Indicators:												
	ators (minimum of one	required; ch						ondary Indicators		-	ed)		
	e Water (A1)			Salt Crust (B11)				Water Marks (B	1) (Riveri	ne)			
High V	Vater Table (A2)			2)		Sediment Deposits (B2) (Riverine)							
Satura	ition (A3)			Aquatic Inverteb	orates (B13)			Drift Deposits (E	33) (River	ine)			
Water	Marks (B1) (Nonriveri	ne)		Hydrogen Sulfid	e Odor (C1)			Drainage Patter	ns (B10)				
Sedim	ent Deposits (B2) (Nor	nriverine)		Oxidized Rhizos	pheres along Liv	ving Roots (C3)		Dry-Season Wa	ter Table	(C2)			
Drift D	eposits (B3) (Nonriver	ine)		Presence of Re	duced Iron (C4)			Crayfish Burrow	ıs (C8)				
Surfac	e Soil Cracks (B6)			Recent Iron Rec	luction in Tilled	Soils (C6)		Saturation Visib	le on Aeri	al Imag	ery (C9)		
Inunda	ation Visible on Aerial Ir	magery (B7)		Thin Muck Surfa	ace (C7)			Shallow Aquitar	d (D3)				
Water.	Stained Leaves (B0)			Other (Evolain i	Pomarke)		EAC-Neutral Test (D5)						

Field Observations:						
Surface Water Present?	Yes		No	\boxtimes	Depth (inches):	
Water Table Present?	Yes		No	\boxtimes	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes		No	\boxtimes	Depth (inches):	w
Describe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if avai	lable:

Arid West - Version 2.0

Yes

No \boxtimes

Wetland Hydrology Present?

Project Site: <u>SPTC-JPA</u>					City/Count	nty: <u>Fo</u>	olsom/	El Dorac	do	Samplir	ng Date:	12/29	/201	4
Applicant/Owner: El Dorado County Department of	Econom	ic De	evelopn	nent				Sta	ate: <u>CA</u>	Samplin	g Point:	<u>45b</u>		
Investigator(s): KCV					Section, To	Townsh	iip, Ra	nge: <u>S</u>	32, T9N, R9E					
Landform (hillslope, terrace, etc.): Hillslope				Loc	cal relief (cor	oncave,	conve	ex, none): <u>none</u>		Slo	oe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.59	71682			Lc	ong: <u>-</u>	121.019	5897	Da	atum: <u>N</u>	IAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	nt slo	opes						NWI clas	sification: <u>l</u>	<u>Jpland</u>			
Are climatic / hydrologic conditions on the site typi	cal for thi	s tim	e of yea	ar?	Yes 🛛	3	No	🗋 (lf	no, explain in R	emarks.)				
Are Vegetation , Soil , or Hydrology	🗌 sig	nifica	antly dis	sturbed	? Are "l	"Norma	al Circ	umstanc	ces" present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗆 nat	urall	y proble	ematic?	lf ne	needed,	explai	in any ar	nswers in Rema	arks.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nlina	noint	locations	s tran	sects	impo	rtant feature	s etc				
Hydrophytic Vegetation Present?	Yes		No		io calicito,	,		,		,				
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	mpled	Area v	vithin a	Wetland?		Yes		No	
Wetland Hydrology Present?	Yes		No			•								
Remarks:														
VEGETATION – Use scientific names of plants	Absolute	е	Domin	ant	Indicator	Don	ainana	Toot I	Workshoot					
Tree Stratum (Plot size:)	% Cove	r	Specie	es?	<u>Status</u>	Don	ninano	e rest	Worksheet:					
1									ant Species CW, or FAC:					(A)
2						ma	IAIEC	JDL, I A	CW, UT AC.					
3								ber of D cross Al	ominant					(B)
4			= Tota	Cavar	—									
50% = , $20% =$	<u> </u>		= 101a	Cover					ant Species CW, or FAC:					(A/B)
Sapling/Shrub Stratum (Plot size:)														
1 2.			—			Prev	valenc		worksheet: % Cover of :		Multiph	(h)(
3.						OBI	. speci		70 COVEL OF .		Multiply x1 =	<u>y Dy.</u>		
4.							W speci				x2 =		-	
							speci				x2 =		-	
5, 20% =			= Tota				U speci				x4 =		-	
			= 101a	Cover			•				x4 =		-	
Herb Stratum (Plot size:)	00				FAC.		. speci		(A)		X3 =		- /D	
1. <u>Festuca perennis.</u>	<u>90</u>		<u>yes</u>		FAC	Colu	ımn To	otals:	(A)					
2. <u>Lactuca serroila</u>	<u>5</u>		<u>no</u>		FACU	<u> </u>			Prevalence Inc					
3					—	-		-	etation Indicat					
4					—				ance Test is >5					
5								Prevale	ence Index is <u><</u>	3.01				
6									ological Adapta Remarks or or			orting		
7					—		_			·				
8								Proble	matic Hydrophy	rtic Vegetatio	on' (Exp	lain)		
50% =, 20% =	<u>95</u>		= Tota	l Cover		¹ Ind	icators	of hvdri	ic soil and wetla	and hvdroloc	av must			
Woody Vine Stratum (Plot size:)									disturbed or pr		,,			
1					—									
2						-	rophy			Yes	\boxtimes	No		
50% =, 20% =				l Cover			etatio sent?	n		100		NO		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust										
Remarks:														

US Army Corps of Engineers

SOIL													Samp	ling Po	int: <u>4</u>	5b
Profile Desc	cription: (Descri	ibe to th	e depth	n neede	ed to d	ocument the indicate	or or conf	firm the abs	sence of	indica	tors.)					
Depth	Mat	rix				Redox Feat	ures									
(inches)	Color (moist	<u>t)</u>	<u>%</u>	<u>Col</u>	or (Mo	<u>ist) %</u>	Type ¹	Loc ²	-	Textu	re <u>R</u>	emarks				
<u>0-12</u>	<u>7.5YR 3/2</u>		<u>100</u>						_	<u>clay</u>	<u> </u>					
		_							_							
		-							_							
		-							_							
		-							_							
						ix, CS=Covered or Co	ated San	d Grains.	Locatior		ore Lining, M=			2		
		plicable	to all LI	RRs, u	_	otherwise noted.)					icators for Pro			Soils':		
Histoso						Sandy Redox (S5)					1 cm Muck		-			
_	Epipedon (A2)					Stripped Matrix (S6)					2 cm Muck		R B)			
	Histic (A3)					Loamy Mucky Miner					Reduced V					
	gen Sulfide (A4)					Loamy Gleyed Matri						t Material (,			
_	ed Layers (A5) (Depleted Matrix (F3					Other (Exp	lain in Rem	narks)					
	Muck (A9) (LRR	-				Redox Dark Surface										
	ed Below Dark S		(A11)			Depleted Dark Surfa	. ,									
_	Dark Surface (A1					Redox Depressions	(F8)				³ Indicators	of hydroph	ytic vege	etation	and	
-	Mucky Mineral (Vernal Pools (F9)						hydrology r			t,	
	Gleyed Matrix (1			unless	disturbed of	or proble	matic.		
	Layer (if presen	t):														
Type:	、											Mar	_		57	
Depth (Inche	es):							Hydric So	olis Pres	sent?		Yes		No	\boxtimes	
Remarks:																
HYDROLO	GY															
Wetland Hyd	drology Indicate	ors:														
Primary Indic	cators (minimum	of one r	equired;	; check	all that	t apply)				Seco	ndary Indicato	rs (2 or mo	re requir	ed)		
Surfac	ce Water (A1)					Salt Crust (B11)					Water Marks	(B1) (River	ine)			
🛛 High V	Nater Table (A2))				Biotic Crust (B12)					Sediment Dep	oosits (B2)	(Riverin	e)		
Satura Satura	ation (A3)					Aquatic Invertebrate	s (B13)				Drift Deposits	(B3) (Rive	rine)			
Water	Marks (B1) (No	nriverin	ie)			Hydrogen Sulfide O	dor (C1)				Drainage Patt	erns (B10)				
Sedim Sedim	nent Deposits (B2	2) (Nonr	riverine))		Oxidized Rhizosphe	res along	Living Root	s (C3)		Dry-Season V	Vater Table	(C2)			
Drift D	Deposits (B3) (No	onriverir	ne)			Presence of Reduce	d Iron (C4	4)			Crayfish Burro	ows (C8)				
Surfac	ce Soil Cracks (E	86)				Recent Iron Reducti	on in Tille	d Soils (C6)			Saturation Vis	sible on Aer	ial Imag	ery (CS)	
🔲 Inunda	ation Visible on A	Aerial Im	agery (E	37)		Thin Muck Surface (C7)				Shallow Aquit	ard (D3)				
U Water	-Stained Leaves	(B9)				Other (Explain in Re	marks)				FAC-Neutral	Test (D5)				
Field Observ	vations:															
Surface Wate	er Present?	Yes	\boxtimes	No		Depth (inches):	<u>1</u>									
Water Table	Present?	Yes	\boxtimes	No		Depth (inches):	<u>0</u>									
Saturation Pr (includes cap	oillary fringe)	Yes	\boxtimes	No		Depth (inches):				nd Hyd	rology Preser	nt?	Yes	\boxtimes	No	
Describe Ree	corded Data (str	eam gau	uge, mor	nitoring	well, a	erial photos, previous	inspection	ns), if availa	ble:							

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folsor</u>	n/El Dorado		Samplir	ng Date:	12/23	/201	4
Applicant/Owner: El Dorado County Department of	Econom	nic De	evelopn	nent			State:	<u>CA</u>	Samplin	ng Point:	<u>46a</u>		
Investigator(s): KCV					Section, To	ownship, F	Range: <u>S 4,</u>	<u>T9N, R9E</u>					
Landform (hillslope, terrace, etc.): Hillslope				Lo	cal relief (cor	ncave, con	vex, none):	concave		Slo	pe (%):	<u>1</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.57	874			Long:	<u>-121.00188</u>		Da	atum: <u>N</u>	NAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	ent slo	opes					NWI classific	ation:	Seasona	al Wetla	nd	
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of yea	ar?	Yes 🛛	No	☐ (If no,	, explain in Rem	arks.)				
Are Vegetation D, Soil D, or Hydrology	🗌 sig	nifica	ntly dis	sturbed	? Are "	Normal Ci	rcumstances	" present?		Yes	\boxtimes	No	
Are Vegetation , Soil , or Hydrology	🗆 nat	turally	y proble	ematic?	lf ne	eded, exp	lain any ansv	vers in Remarks	.)				
SUMMARY OF FINDINGS – Attach site map sh	owing	sam	nlina	noint	locations	transec	ts imnorta	nt features e	tc				
Hydrophytic Vegetation Present?	Yes		No		iocations,	transco	is, importa	int reatures, c					
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sam	pled Area	a within a We	etland?		Yes		No	
Wetland Hydrology Present?	Yes		No			•							
Remarks:			-										
VEGETATION – Use scientific names of plants	5.												
Tree Stratum (Plot size:)	Absolut % Cove		Domina Specie		Indicator Status	Domina	nce Test Wo	orksheet:					
1.	<u>/// COve</u>	<u></u>	Specie	<u>,5 :</u>	<u>Status</u>	Number	of Dominant	Species					
2.							OBL, FACW						(A)
3						Total Nu	mber of Dom	ninant					
4							Across All St			·			(B)
50% =, 20% =			= Total	I Cover		Percent	of Dominant	Species					
Sapling/Shrub Stratum (Plot size:)						That Are	OBL, FACW	/, or FAC:					(A/B)
1						Prevale	nce Index w	orksheet:					
2							Total % (Cover of :		Multipl	<u>y by:</u>		
3						OBL spe	ecies			x1 =		_	
4						FACW s	pecies			x2 =		_	
5						FAC spe	ecies			x3 =		_	
50% =, 20% =			= Total	I Cover		FACU sp	pecies			x4 =		_	
Herb Stratum (Plot size:)						UPL spe	cies			x5 =		_	
1. <u>Rumex crispus</u>	<u>10</u>		no		FAC	Column	Totals:	(A)				_ (B	.)
2. <u>Hordeum marinum</u>	<u>15</u>		no		FAC			Prevalence Inde	ex = B/A	. = <u>3</u>			
3. <u>Festuca perennis</u>	<u>70</u>		ves		FAC	Hydropi	hytic Vegeta	tion Indicators:					
4.			-			⊠ .	Dominand	ce Test is >50%					
5							Prevalenc	the lndex is $\leq 3.0^{1}$					
6						_		gical Adaptation		ide supp	ortina		
7							data in Re	emarks or on a s	eparate	sheet)	g		
8							Problema	tic Hydrophytic V	√egetati	on ¹ (Exp	lain)		
50% =, 20% =	<u>95</u>		= Total	I Cover									
Woody Vine Stratum (Plot size:)								soil and wetland sturbed or proble		gy must			
1							,						
2						Hydropi	hytic						
50% =, 20% =			= Total	l Cover		Vegetat	ion		Yes	\boxtimes	No		
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	Crust		Present	7						
Remarks:													

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SOIL													Samp	ling Po	nt: <u>4</u>	<u>16a</u>
Profile Descri	ption: (Describ	be to th	e depth	n need	ed to d	ocument the indic	cator or co	nfirm the abs	sence of	indicat	ors.)					
Depth	Matri	x				Redox F										
(inches)	Color (moist)	<u> </u>	<u>%</u>		lor (Mo		<u>Type¹</u>	Loc	-	Textur	re <u>Re</u>	emarks				
<u>0-12</u>	<u>7.5YR 4/1</u>		<u>80</u>	<u>7.</u>	.5YR 4/	<u>/4</u> <u>20</u>	<u>D</u>	<u>M</u>		<u>Clay</u>						
		_							_							
		_							_							
		-							_							
		-							-							
			<u> </u>								<u> </u>					
			-			ix, CS=Covered or	Coated Sa	nd Grains.	Location		ore Lining, M=N					
		licable	to all L	.RRS, U	_	otherwise noted.)	-				cators for Pro		-	OIIS :		
Histosol						Sandy Redox (St					1 cm Muck		-			
	ipedon (A2)					Stripped Matrix (S					2 cm Muck					
Black His						Loamy Mucky Mi					Reduced Ve					
	n Sulfide (A4)					Loamy Gleyed M					Red Parent	-				
Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Image: A com Munk (A0) (LRR D) Image: A com Munk (A0) (LRR D)											Other (Expl	ain in Ken	larks)			
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Dark Surface (A44) Depleted Dark Surface (F7)																
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7																
	irk Surface (A1:					Redox Depressio					³ Indicators of	• •				
	lucky Mineral (S	-				Vernal Pools (F9))					iydrology i			,	
-	leyed Matrix (S	-									uniess	disturbed	or proble	matic.		
Restrictive La	yer (if present):														
Type:								Hydric S	oile Droc	ont?		Yes	\boxtimes	No		1
Depth (Inches) Remarks:	·							Hyune 3				165		NO		1
Remarks.																
HYDROLOG	Y															
Wetland Hydr	ology Indicato	rs:														
Primary Indicat	tors (minimum o	of one r	required	; check	all that	t apply)				Secor	ndary Indicators	s (2 or mo	re requir	ed)		
Surface	Water (A1)					Salt Crust (B11)					Water Marks (I	B1) (River	ine)			
🖾 🛛 High Wa	ater Table (A2)					Biotic Crust (B12	.)				Sediment Dep	osits (B2)	(Riverin	e)		
Saturatio	on (A3)					Aquatic Invertebr	ates (B13)				Drift Deposits ((B3) (Rive	rine)			
Water N	larks (B1) (Nor	riverin	ie)			Hydrogen Sulfide	e Odor (C1)				Drainage Patte	erns (B10)				
Sedimer	nt Deposits (B2) (Non r	iverine)		Oxidized Rhizosp	pheres along	g Living Root	s (C3)		Dry-Season W	ater Table	e (C2)			
Drift Dep	posits (B3) (No	nriveriı	ne)			Presence of Red	uced Iron (C	24)			Crayfish Burro	ws (C8)				
Surface	Soil Cracks (Be	6)				Recent Iron Redu	uction in Till	ed Soils (C6)			Saturation Visi	ble on Aeı	rial Imag	ery (C9)	
Inundati	on Visible on A	erial Im	agery (I	B7)		Thin Muck Surfac	ce (C7)				Shallow Aquita	ard (D3)				
□ Water-S	tained Leaves	(B9)				Other (Explain in	Remarks)				FAC-Neutral T	est (D5)				
Field Observa	tions:															
Surface Water	Present?	Yes	\boxtimes	No		Depth (inche	es): <u>1</u>									
Water Table P	resent?	Yes	\boxtimes	No		Depth (inche	es): <u>0</u>									
Saturation Pres (includes capill		Yes	\boxtimes	No		Depth (inche	es): <u>0</u>		Wetlar	nd Hydr	ology Present	t?	Yes	\boxtimes	No	
Describe Reco	rded Data (stre	am gau	uge, mor	nitoring	well, a	erial photos, previo	ous inspecti	ons), if availa	ble:							

Project Site: <u>SPTC-JPA</u>					City/Count	ty: <u>Folson</u>	n/El Dorado	<u>)</u>	Samplir	ng Date:	12/29	/201	4
Applicant/Owner: El Dorado County Department of	Econom	nic De	evelopr	ment			State	e: <u>CA</u>	Samplir	ng Point:	<u>46b</u>		
Investigator(s): KCV					Section, To	ownship, R	ange: <u>S 2</u>	2, T8, R1					
Landform (hillslope, terrace, etc.): Hillslope				Loo	cal relief (cor	ncave, con	vex, none):	none		Slo	pe (%):	<u>5</u>	
Subregion (LRR): <u>C</u>	Lat: 3	38.57	87715			Long:	<u>-121.0018</u>	<u>38</u>	D	atum: <u>N</u>	VAD 83		
Soil Map Unit Name: Argonaut very rocky loam, 3 to	30 perce	ent slo	opes					NWI clas	sification:	Upland			
Are climatic / hydrologic conditions on the site typic	cal for thi	s tim	e of ye	ar?	Yes 🛛	No	🔲 (lf n	o, explain in R	emarks.)				
Are Vegetation , Soil , or Hydrology	🗌 sig	nifica	antly dis	sturbed	? Are "	Normal Cir	rcumstance	s" present?		Yes	\boxtimes	No	
Are Vegetation \Box , Soil \Box , or Hydrology	🗆 nat	turall	y proble	ematic?) (If ne	eded, expl	lain any ans	swers in Rema	arks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowina	sam	plina	point	locations.	transect	ts. import	ant features	s. etc.				
Hydrophytic Vegetation Present?	Yes		No										
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sam	npled Area	a within a V	Vetland?		Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No										
Remarks:													
VEGETATION – Use scientific names of plants													
Tree Stratum (Plot size:)	Absolut		Domin		Indicator	Domina	nce Test W	orksheet:					
1.	<u>% Cove</u>	<u>er</u>	Specie	es?	<u>Status</u>	Number	of Dominor	t Chaolea					
2.							of Dominar OBL, FAC						(A)
3.						Total Nu	mber of Do	minant					
4							Across All S						(B)
50% =, 20% =			= Tota	l Cover		Percent	of Dominan	t Species					
Sapling/Shrub Stratum (Plot size:)						That Are	OBL, FAC	W, or FAC:					(A/B)
1						Prevaler	nce Index v	vorksheet:					
2							Total %	Cover of :		Multiply	<u>y by:</u>		
3						OBL spe	cies			x1 =		_	
4	<u> </u>					FACW s	pecies			x2 =		-	
5						FAC spe	cies			x3 =		_	
50% =, 20% =			= Tota	I Cover		FACU sp	pecies			x4 =		_	
Herb Stratum (Plot size:)						UPL spe	cies			x5 =		_	
1. <u>Elymus caput-medusae</u>	<u>40</u>		<u>yes</u>		UPL	Column	Totals:	(A)	l.			(B)
2. <u>Avena sp.</u>	<u>20</u>		<u>ves</u>		UPL		F	Prevalence Inc	dex = B/A =				
3						Hydroph		ation Indicat					
4							Dominar	nce Test is >5	0%				
5							Prevaler	nce Index is <u><</u>	3.0 ¹				
6							Morphol	ogical Adapta	tions ¹ (Prov	ide supp	orting		
7								Remarks or on					
8							Problem	atic Hydrophy	rtic Vegetati	ion ¹ (Exp	olain)		
50% =, 20% =	<u>60</u>		= Tota	al Cover		1							
Woody Vine Stratum (Plot size:)								soil and wetla disturbed or pr		gy must			
1							,	'					
2						Hydroph	nytic			_			_
50% =, 20% =	<u> </u>		= Tota	al Cover		Vegetati	ion		Yes		No		\boxtimes
% Bare Ground in Herb Stratum	% Co	ver o	f Biotic	crust		Present	ſ						
Remarks:													

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Project Site: S	SPTC-JPA
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SOIL																	Sa	mpli	ing Po	int: <u>4</u>	6 <u>b</u>
Profile Desci	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)																				
Depth	Mati	rix					Redox F	Feature	es												
(inches)	Color (moist	<u>t)</u>	<u>%</u>	<u>Cc</u>	olor (Mo	<u>ist)</u>	<u>%</u>	-	Type ¹		Loc ²		<u>Textu</u>	ire	<u>R</u> e	<u>emarks</u>					
<u>0-8</u>	<u>7.5YR 4/3</u>		<u>100</u>					-		_			gravel-	<u>clay</u>							
		-						-		_											
		-						-		_				_							
		-						-		_											
		_						_		_				_							
		_						-		_											
¹ Type: C= Co	ncentration, D=	Depletic	on, RM=	Reduc	ed Mat	rix, CS=C	overed o	r Coat	ed Sano	d Grains	s. ² Lo	ocatior	n: PL=P	ore Linii	ng, M=N	Matrix.					
Hydric Soil I	ndicators: (App	plicable	e to all L	.RRs, I	unless	otherwis	e noted.))					Ind	icators	for Pro	blemati	c Hydri	c So	oils ³ :		
Histoso	ol (A1)					Sandy	Redox (S	S5)						1 cn	n Muck	(A9) (LR	R C)				
Histic E	pipedon (A2)					Strippe	d Matrix	(S6)						2 cn	n Muck	(A10) (L	.RR B)				
Black H	listic (A3)					Loamy	Mucky M	lineral	(F1)					Red	uced V	ertic (F1	8)				
Hydrog	en Sulfide (A4)					Loamy	Gleyed N	Matrix ((F2)					Red	Parent	Materia	l (TF2)				
Stratifie	ed Layers (A5) (LRR C)				Deplete	ed Matrix	(F3)						Othe	er (Expl	ain in Re	emarks)				
□ 1 cm M	uck (A9) (LRR I	D)				Redox	Dark Sur	face (F	-6)												
Deplete	ed Below Dark S	Surface	(A11)			Deplete	ed Dark S	Surface	e (F7)												
Thick D	ark Surface (A1	12)				Redox	Depressi	ons (F	8)					³ Indi	ootoro	of hydrop	- butio v		otion	and	
Sandy I	Mucky Mineral ((S1)				Vernal	Pools (F9	9)								ydrology	•	•			
Sandy G	Gleyed Matrix (S	S4)														disturbed				.,	
Restrictive L	ayer (if presen	t):																			
Type:																					
Depth (Inches	s):									Hydri	ic Soil	ls Pres	sent?			Yes			No	\boxtimes	1
Remarks:	, <u> </u>																				
HYDROLO																					
-	Irology Indicate															<i>(</i> 2					
	ators (minimum	of one i	required	; chec										-		s (2 or m		luire	ed)		
	e Water (A1)						ust (B11)									B1) (Riv	-				
	/ater Table (A2)						Crust (B12	-							-	osits (B2		rine	e)		
	tion (A3)					-	c Inverteb								-	(B3) (Ri v	-				
	Marks (B1) (No i	nriverin	ıe)				en Sulfid								-	erns (B10					
	ent Deposits (B2	2) (Non i	riverine)		Oxidize	ed Rhizos	spheres	s along	Living F	Roots	(C3)		Dry-Se	ason W	ater Tab	ole (C2)				
Drift De	eposits (B3) (No	onriveri	ne)			Presen	ice of Red	duced	Iron (C4	4)				Crayfis	h Burro	ws (C8)					
Surface	e Soil Cracks (B	36)				Recent	Iron Red	luction	in Tille	d Soils ((C6)			Saturat	ion Visi	ble on A	erial Im	age	ry (CS)	
🗌 Inunda	tion Visible on A	Aerial Im	nagery (l	B7)		Thin M	uck Surfa	ace (C7	7)					Shallov	v Aquita	ard (D3)					
□ Water-	Stained Leaves	(B9)				Other (Explain ir	n Rema	arks)					FAC-N	eutral T	est (D5)					
Field Observ	ations:																				
Surface Wate	er Present?	Yes		No	\boxtimes	De	epth (inch	es):													
Water Table F	Present?	Yes		No	\boxtimes	De	epth (inch	es):													
Saturation Pro (includes cap	illary fringe)	Yes		No	\boxtimes		epth (inch						nd Hyd	rology	Presen	t?	Ye	s		No	\boxtimes
Describe Rec	orded Data (stre	eam gau	uge, mo	nitoring	g well, a	erial pho	tos, previ	ious in:	spectio	ns), if av	vailabl	e:									
Remarks [.]																					

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