

#### LS POWER GRID CALIFORNIA, LLC

## **COLLINSVILLE 500/230 KILOVOLT SUBSTATION PROJECT**

## AQUATIC RESOURCES DELINEATION REPORT

**FEBRUARY 2025** 

PREPARED FOR:



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## 1 – INTRODUCTION

LS Power Grid California, LLC (LSPGC) retained Insignia Environmental (Insignia) to conduct wetland and waters surveys for the Collinsville 500/230 Kilovolt (kV) Substation Project (Proposed Project). As depicted in Figure 1: Proposed Project Overview Map, the Proposed Project involves the construction of a new 500/230 kV substation (Collinsville Substation), the construction of two new 500 kV single-circuit transmission line segments that would interconnect Pacific Gas and Electric Company's (PG&E's) existing Vaca Dixon-Tesla 500 kV Transmission Line into the proposed Collinsville Substation, and the construction of one new 230 kV double-circuit transmission line (Proposed Project Transmission Line) that would connect the proposed Collinsville Substation to PG&E's existing Pittsburg Substation. The Proposed Project has been designed to address overloads on the existing Contra Costa-Newark 230 kV corridor and provide an additional supply into the northern greater San Francisco Bay Area to increase reliability to the area and advance additional power generation.

This Aquatic Resources Delineation Report (Report) presents the results of a delineation of wetlands and waters to support the necessary permits and authorizations prior to Proposed Project construction. Potentially jurisdictional wetlands and waters within the survey area, as defined in Section 4.1 Delineation of Wetlands and Waters, were assessed for jurisdiction under the United States (U.S.) Army Corps of Engineers (USACE), pursuant to Section 404 of the Clean Water Act (CWA), as well as the Regional Water Quality Control Board (RWQCB), pursuant to the Porter-Cologne Water Quality Control Act (California Water Code § 13000 et seq.) or Section 401 of the CWA. In addition, wetlands, waters, and associated riparian or hydrophytic vegetation were assessed for jurisdiction under the California Department of Fish and Wildlife (CDFW), pursuant to Section 1600 of the California Fish and Game Code. This report summarizes the regulatory framework, field methods, and results of the delineation of wetlands and waters.

# 2 – PROPOSED PROJECT DESCRIPTION

## 2.0 PROPOSED PROJECT LOCATION

The proposed Collinsville Substation would be located near the unincorporated community of Collinsville, which is located in the southwestern portion of Solano County. As depicted in Figure 2: Hydrologic Region Map, the survey area is located north and south of the Sacramento-San Joaquin River Delta (Delta). The Proposed Project would create a connection to PG&E's existing Pittsburg Substation, which is located in the City of Pittsburg in the northern portion of Contra Costa County.

## 2.1 PROPOSED PROJECT OVERVIEW

The following main components of the Proposed Project are depicted on Figure 1: Proposed Project Overview Map:

• A new approximately 11-acre 500/230 kV substation near the unincorporated community of Collinsville in Solano County (Proposed LSPGC Collinsville Substation);

- Two new approximately 1.5-mile-long single-circuit 500 kV, onshore transmission line segments (Proposed PG&E 500 kV Interconnection) that will interconnect PG&E's existing Vaca Dixon-Tesla 500 kV Transmission Line into the proposed Collinsville Substation;<sup>1</sup>
- A new approximately 6-mile-long double-circuit 230 kV transmission line that will connect the proposed Collinsville Substation to PG&E's existing Pittsburg Substation and include the following components:
  - An approximately 1-mile-long overhead transmission line segment will connect between the proposed Collinsville Substation and the north shore of the Delta (Proposed LSPGC 230 kV Overhead Segment),
  - Approximately four 4.7-mile-long submarine cables installed below the bed of the Delta (Proposed LSPGC 230 kV Submarine Segment),
  - Four onshore underground utility vaults near PG&E's existing Pittsburg Substation that will transition the submarine cables to underground cables that will terminate at approximately two new riser poles adjacent to PG&E's existing Pittsburg Substation (Proposed LSPGC 230 kV Underground Segment); and
- Two new telecommunications paths to the proposed Collinsville Substation (a new microwave tower that will be constructed at the substation and a new fiber optic path that would be installed between existing fiber in the City of Pittsburg and the proposed Collinsville Substation (Proposed LSPGC Telecommunications Extension).

# 3 – REGULATORY FRAMEWORK

## 3.0 UNITED STATES ARMY CORPS OF ENGINEERS

#### 3.0.0 Section 404 of the Clean Water Act

Under Section 404 of the CWA, the USACE has jurisdiction over waters of the U.S. (WOTUS). The purpose of the CWA is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." The USACE has regulatory authority to issue permits for the discharge of dredged or fill material in WOTUS, according to Title 33, Section 1344 of the U.S. Code. The USACE issues individual or general permits (i.e., Nationwide Permits) for such discharges. The Proposed Project is under the jurisdiction of the USACE's San Francisco District.

Two Supreme Court of the U.S. (Supreme Court) cases—*Solid Waste Agency of Northern Cook County v. USACE* (SWANCC) and *Rapanos v. U.S.* (Rapanos)—redefined the USACE

<sup>&</sup>lt;sup>1</sup> PG&E would be responsible for the final configuration of the northern tie-in of the 500 kV loop-in between the proposed Collinsville Substation and the existing Vaca Dixon-Tesla 500 kV Transmission Line. LSPGC would be responsible for the installation of dead-end structures near the proposed Collinsville Substation to facilitate looping in the 500 kV lines.



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jurisdiction within the parameters of the CWA. As a result of these court cases, the U.S. Environmental Protection Agency (EPA) and the USACE issued a joint memorandum addressing guidance on determining the jurisdiction of WOTUS (EPA and USACE 2008). Since that time, a final Revised Definition of "Waters of the United States" was published to the *Federal Register* on January 18, 2023, and it took effect on March 20, 2023 (EPA 2024).

However, a third Supreme Court case—*Sackett v. EPA* (Sackett)—further amended the definition of a WOTUS regarding jurisdiction over "adjacent wetlands" on May 25, 2023. The Supreme Court's new two-part test for "adjacent wetlands" is: (1) the body of water to which the wetland is connected is a "relatively permanent body of water" that is connected to traditional navigable waters; and (2) the wetland has a "continuous surface connection with that [connected] water, making it difficult to determine where the 'water' ends and the wetland begins" (Supreme Court 2023). This decision modifies the Supreme Court's existing ruling and eliminates the agencies' jurisdiction over wetlands "adjacent" to non-navigable tributaries when those wetlands had "a significant nexus to a traditional navigable water." On August 29, 2023, the EPA and USACE issued a final rule to amend the 2023 WOTUS rule to be consistent with the Supreme Court's decision, and it became effective in certain states, including California, on September 8, 2023.

Under the final rule following the decision in *Sackett v. EPA*, Title 40, Section 120.2(a) of the Code of Federal Regulations (CFR) defines WOTUS as follows:

- 1. Waters which are:
  - *i. currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;*
  - *ii. the territorial seas; or*
  - *iii. interstate waters;*
- 2. Impoundments of waters otherwise defined as WOTUS under this definition, other than impoundments of waters identified under paragraph (a)(5) of this section;
- 3. Tributaries of waters identified in paragraph (a)(1) or (2) of this section that are relatively permanent, standing or continuously flowing bodies of water;
- 4. Wetlands adjacent to the following waters:
  - *i.* waters identified in paragraph (a)(1) of this section; or
  - ii. relatively permanent, standing or continuously flowing bodies of water identified in paragraph (a)(2) or (a)(3) of this section and with a continuous surface connection to those waters;
- 5. Intrastate lakes and ponds not identified in paragraphs (a)(1) through (4) of this section that are relatively permanent, standing or continuously flowing bodies of water with a continuous surface connection to the waters identified in paragraph (a)(1) or (a)(3) of this section.

Title 40, Section 120.2(c) of the CFR defines wetlands as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that

under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." Three parameters—hydrophytic vegetation, hydric soils, and wetland hydrology—must all be present to classify an area as a USACE-jurisdictional wetland under normal circumstances.

The limits of USACE jurisdiction are as follows:

- 1. Territorial Seas: The limit of jurisdiction in the territorial seas is measured from the baseline in a seaward direction for a distance of 3 nautical miles (33 CFR § 329.12).
- 2. Tidal WOTUS: The landward limits of jurisdiction in tidal waters extend to the following:
  - the high tide line, or
  - the limits as identified in non-tidal WOTUS when adjacent to non-tidal waters of the U.S.
- 3. Non-Tidal WOTUS: The limits of jurisdiction in non-tidal waters extend to the following:
  - the ordinary high water mark (OHWM) in the absence of adjacent wetlands,
  - beyond the OHWM to the limit of adjacent wetlands when such wetlands are present, and
  - the limit of the wetland when the WOTUS consist only of wetlands.

The application of EPA and USACE guidance results in a formalized oversight process involving both agencies in the adoption of approved jurisdictional determinations (AJDs). The intent of this formal process is to ensure consistency in how the agencies interpret the rulings and guidance at all levels. The USACE issued Regulatory Guidance Letter No. 08-02 on the subject of jurisdictional determinations (USACE 2008a) to institute the program by which jurisdictional determinations are made. This guidance creates a distinction between an applicant's request for a preliminary jurisdictional determination (PJD) and an AJD. If an applicant pursues a PJD, the determination would be inclusive of all features that have historically been regulated by the USACE under Section 404 of the CWA and Sections 9 and 10 of the Rivers and Harbors Appropriation Act of 1899 (i.e., prior to the SWANCC and Rapanos cases). A PJD excludes exempted jurisdictional waters, but not those excluded by court ruling interpretations. An AJD provides a more thorough evaluation of issues of isolation and adjacency as contemplated by the courts, and it excludes from USACE regulation any areas that fail to meet the necessary litmus tests of the Supreme Court decision and the agencies' implementation guidance.

## 3.0.1 Rivers and Harbors Appropriation Act Section 10

The USACE regulates construction in navigable waterways of the U.S. through Section 10 of the Rivers and Harbors Act (RHA) of 1899 (33 U.S. Code [USC] 403). Section 10 of the RHA requires USACE approval and a permit for excavation or fill, or alteration or modification of the course, location, condition, or capacity of, any port, roadstead, haven, harbor, canal, lake, harbor or refuge, or enclosure within the limits of any breakwater, or of the channel of any navigable WOTUS. Section 10 requirements apply only to navigable waters themselves, and are not applicable to tributaries, adjacent wetlands, and similar aquatic features not capable of supporting interstate commerce.

## 3.1 REGIONAL WATER QUALITY CONTROL BOARD

#### 3.1.0 Section 401 of the Clean Water Act

The RWQCB regulates activities in waters of the State—including wetlands—through Section 401 of the CWA (RWQCB 2014). While the USACE administers permitting programs that authorize impacts to WOTUS, any USACE permit authorized for a proposed project would be invalid unless the RWQCB has issued a project-specific water quality certification (WQC) or waiver of water quality. A WQC requires a finding by the RWQCB that the activities permitted by the USACE would not violate state water quality standards individually or cumulatively over the term of the issued USACE permit.

## 3.1.1 Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act (California Water Code § 13260) requires "any person discharging waste, or proposing to discharge waste, within any region that could affect the waters of the State to file a report of discharge" with the RWQCB through an application for waste discharge (California Water Code § 13260[a][1]) (RWQCB 2014). The term "waters of the State" is defined as any surface water or groundwater, including saline waters, within the boundaries of the state (California Water Code § 13050[e]). Pursuant to the Porter-Cologne Water Quality Control Act, the RWQCB also regulates "isolated wetlands," or those wetlands considered to be outside of the USACE's jurisdiction pursuant to court decisions. In 2019, the State Water Resources Control Board (SWRCB) further defined which wetlands are considered waters of the state in the State (Procedures). The Procedures for Discharges of Dredged or Fill Material to Waters of the State (Procedures), an area is a wetland if it meets the following three criteria:

- The area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both
- The duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and
- The area's vegetation is dominated by hydrophytes, or the area lacks vegetation.

In April 2020, the SWRCB released the following implementation guidance that includes an updated definition of waters of the state (SWRCB 2020):

"California Code of Regulations, title 23, section 3831(w) states that '[a]ll waters of the United States are also 'waters of the state.' This regulation has remained in effect despite Supreme Court decisions such as Rapanos and SWANCC, which added limitations to what could be considered a water of the U.S. Therefore, the regulation reflects the Water Boards intent to include a broad interpretation of waters of the United States into the definition of waters of the state. Waters of the state includes features that have been determined by the U.S. EPA or the U.S. Army Corps of Engineers to be 'waters of the U.S.' in an approved jurisdictional determination; 'waters of the U.S.' identified in an aquatic resource report certified by the Corps upon which a permitting decision was based; and features that are consistent with any current or historic final judicial interpretation of 'waters of the U.S.' or any current or historic federal regulation defining

'waters of the U.S.' Because the interpretation of waters of the U.S. in place at the time section 3831(w) was adopted was broader than any post-Rapanos or post-SWANCC regulatory definitions that incorporated more limitations into the scope of federal jurisdiction, it is consistent with the Water Boards' intent to include both historic and current definitions of waters of the United States into the Water Boards' wetland jurisdictional framework."

The RWQCB generally considers filling in waters of the state to be pollution. Pollution is defined as an alteration of the quality of the waters of the state by waste that unreasonably affects its beneficial uses (California Water Code § 13050[1]). To determine whether a project should be regulated pursuant to the Porter-Cologne Water Quality Control Act, the RWQCB's litmus test is if the action could result in any threat to water quality.

## 3.2 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

#### 3.2.0 California Fish and Game Code Section 1600

Sections 1601 through 1606 of the California Fish and Game Code require that a Notification of Lake or Streambed Alteration Agreement (LSAA) application must be submitted to the CDFW for "any activity that may substantially divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake." The CDFW reviews the proposed actions and, if necessary, submits to the applicant a proposal that includes measures to protect affected fish and wildlife resources. A LSAA is the final proposal that is mutually agreed upon by the CDFW and the applicant.

Generally, the CDFW-jurisdictional boundaries are broader than the USACE-jurisdictional boundaries and include the following:

- rivers/streams;
- lakes;
- entire floodplains;
- wetlands associated with rivers, streams, lakes, or wildlife resources; and
- artificial drainage ditches (in some circumstances).

The CDFW's jurisdiction includes the following:

- areas with a definable bed, bank, or channel;
- areas that support periodic or intermittent flows, perennial flows, or subsurface flows; support fish or other aquatic life; or support riparian or hydrophytic vegetation in association with a streambed; and
- areas that simply have a hydrologic source and/or terminus.

# 4 – METHODS

## 4.0 LITERATURE AND DATABASE REVIEW

Prior to conducting field work, Insignia biologists reviewed U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory maps (USFWS 2024), U.S. Geological Survey (USGS)

National Hydrography Dataset maps (USGS 2024a), and color aerial photographs (both recent and past) of the survey area and surrounding area. In addition, the biologists reviewed and referenced the Natural Resources Conservation Service (NRCS) Web Soil Survey, and USGS topographic maps. National Oceanic and Atmospheric Administration (NOAA) seasonal rainfall data were also reviewed (NOAA 2024a). The database review was used to determine if any aquatic resources had been previously mapped or otherwise documented in the Proposed Project area and to create a list of features to verify in the field.

#### 4.1 DELINEATION OF WETLANDS AND WATERS

Vegetation mapping and preliminary waters mapping were conducted for the Proposed Project by Insignia biologists during a habitat assessment conducted in May, June, July, September, and December 2023. At that time, potentially jurisdictional aquatic features were preliminarily mapped and identified for formal delineations. Insignia biologists conducted formal wetland and waters delineations from May 6, 2024, through July 10, 2024, for any feature that was identified during the vegetation and preliminary waters mapping. The survey area included a minimum buffer of 100 feet around the Proposed Project's Collinsville Substation and terrestrial linear components; however, the buffer varies from 100 feet to 500 feet in some locations to accommodate future design changes and to collect additional data in the field for certain areas. The survey area is depicted in Attachment A: Aquatic Resources Delineation Map. The approximately 578.8-acre survey area was also designed to include all potential terrestrial areas of temporary and permanent disturbance associated with the Proposed Project.

## 4.1.0 Drainage Mapping

Insignia biologists used guidance from *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States: A Delineation Manual* (USACE 2008b) to determine the location and size of drainages potentially under the jurisdiction of the USACE and RWQCB. Culverts, if found within the survey area, were also mapped to assist with determining downstream connectivity for potential jurisdictional features within the survey area. The overall landforms, slopes, and climatic and hydrologic conditions were also assessed. Photographs were taken for each drainage feature to record downstream and upstream conditions, as well as OHWM indicators; these photographs are included in Attachment B: Photograph Log. Evidence supporting the delineation of each potentially jurisdictional drainage feature was recorded using a mobile data collection platform that reflected the USACE Arid West Ephemeral and Intermittent Stream OHWM Data Sheet.

Top-of-bank (TOB) measurements were noted for each drainage to assess the areas that may be CDFW-jurisdictional under Section 1600 of the California Fish and Game Code.

#### 4.1.1 Wetland Mapping

Insignia biologists surveyed for wetlands under the jurisdiction of the USACE, RWQCB, and/or CDFW within the survey area. Wetland delineations were conducted in accordance with the USACE's wetlands delineation manual (USACE 1987) in conjunction with the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0)* (USACE 2008c). For an area to be defined as a wetland under normal circumstances, the USACE's routine on-site determination methods call for determining the presence of

hydrophytic vegetation, hydric soils, and wetland hydrology. Insignia biologists determined the presence of hydric soils using the NRCS's Field Indicators of Hydric Soils in the United States (NRCS 2018). Each of these parameters is discussed in further detail in the subsections that follow.

## Hydrophytic Vegetation

Hydrophytic vegetation is defined as "the community of macrophytes that occurs in areas where inundation or soil saturation is either permanent, or of sufficient frequency and duration to exert a controlling influence on the plant species present" (USACE 2008c). Hydrophytic vegetation is determined to be present when the plant community is dominated by species that can tolerate prolonged inundations or soil saturation during the growing season. The National Wetland Plant List (USACE 2018) provides a wetland indicator status for plant species in the U.S. The wetland indicator status is a predictor of the likelihood that the plant would occur in wetlands, and is defined as follows:

- Obligate Plant (OBL): a plant that almost always occurs in wetlands.
- Facultative Wetland Plant (FACW): a plant that usually occurs in wetlands, but may occur in non-wetlands.
- Facultative Plant (FAC): a plant that usually occurs in wetlands and non-wetlands.
- Facultative Upland Plant (FACU): a plant that usually occurs in non-wetlands, but may occur in wetlands.
- Upland Plant: a plant that almost never occurs in wetlands.

Hydrophytic vegetation was determined to be present if any of the following indicator tests were satisfied:

- Dominance Test (Indicator 1): More than 50 percent of the dominant plant species across all strata are rated OBL, FACW, or FAC.
- Prevalence Test (Indicator 2): The prevalence index, which is a weighted-average wetland indicator status of all plant species in the sampling plot, is 3.0 or less.
- Morphological Adaptations (Indicator 3): This procedure is used when FACU plant species in wetlands exhibit morphological adaptations to wetland conditions; or it is used in areas of problematic vegetation where hydrophytic vegetation is absent, but indicators of hydric soil and wetland hydrology are present.
- Problematic Hydrophytic Vegetation (Indicator 4): This procedure is used in areas of problematic vegetation where indicators of hydric soil and wetland hydrology are present.

## **Hydric Soils**

A hydric soil is defined as "a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part" (USACE 2008c). Characteristic field indicators of hydric soils, as described in the Field Indicators of Hydric Soils in the United States (NRCS 2018), include the following:

- presence of a histic epipedon,
- presence of sulfidic material,
- presence of an aquic or peraquic moisture regime,
- reducing soil conditions,
- soil color (including gleyed soils or soils with a low matrix chroma, with or without bright mottles),
- iron or manganese concretions, and
- soils listed as hydric by the NRCS.

Hydric soil data was collected using a drain spade shovel to extract soil samples at least 12 inches in depth and color matched using the Munsell Soil Color Book. Following the analysis, the soil sample was returned to its original location.

#### Wetland Hydrology

Wetland hydrology is indicated by an area that is inundated or saturated for a period long enough to create anaerobic vegetation and soil conditions during the growing season (USACE 2008c). Primary field indicators of wetland hydrology are described in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0)* (USACE 2008c) and include surface water, high water table, soil saturation, water marks, sediment deposits, drift deposits, surface soil cracks, biotic crust, oxidized rhizospheres along living roots, presence of reduced iron, and water-stained leaves, among others. Secondary indicators include, but are not limited to, water marks, sediment deposits, drift deposits, and drainage patterns. These indicators were used in the field to make a determination on whether soil saturation or inundation exists for a long enough period of time during the growing season to create anaerobic conditions and thus conclude whether wetland hydrology was present.

#### 4.1.2 Global Positioning System Data Collection

Drainage and wetland data were mapped using a Trimble DA2-BT Global Positioning System (GPS) unit with submeter accuracy. A data model within the GPS software ensured consistent data collection in the field and was developed in accordance with LSPGC schema. All spatial data was collected in the North American Datum 1983 State Plane California Zone 2 coordinate system.

## 5 – RESULTS

#### 5.0 ENVIRONMENTAL SETTING

The survey area is located at the southern border of the Sacramento Valley Subregion and the northern border of the San Joaquin Valley Subregion of the California Floristic Province (Jepson eFlora 2024). Ground surface elevations throughout the survey area range from 3 feet to 250 feet above mean sea level. The highest points within the survey area exist along the northernmost components of the Proposed Project. Elevation gradually decreases to approximately 3 feet as the survey area intersects the Delta. The survey area receives an average of 23 inches of rainfall per year, with the majority of precipitation falling between November and March (NOAA 2024a). Average annual temperatures range from 48 to 73 degrees Fahrenheit (NOAA 2024b).

Many of the drainages within the survey area are ephemeral and only flow when it rains. However, several drainages within the survey area have been altered due to agriculture and development and differ from their historical locations and/or were channelized.

## 5.0.0 Hydrology

As depicted in Figure 2: Hydrologic Region Map, the survey area occurs within the San Francisco Bay basin and the Lower Sacramento basin (USGS 2024a). Subbasins crossed include the Suisun Bay subbasin, which encompasses three crossed watersheds, and the Lower Sacramento subbasin, which encompasses one crossed watershed. The portion of the survey area south of the Delta is highly developed, so stormwater runoff in this area mainly flows through storm drains. North of the Delta, unnamed and non-jurisdictional drainages run through the survey area and drain south into the Delta. Several wetland features identified were observed to have connectivity downstream. This portion of the survey area experiences a high amount of surface runoff as topography is very hilly and gradually decreases in elevation as it joins with the Delta. Findings from soil test pits, which are further detailed in Attachment C: Wetland Determination Data Forms, support this assessment of the hydrology with the presence of wetlands increasing in the southern portion of the survey area closer to the Delta.

## 5.0.1 Vegetation

Twenty-two vegetation communities and land cover types were identified within the survey area (Insignia 2024). The vegetation classification system and the associated vegetation community descriptions that were used conform to *A Manual of California Vegetation, Second Edition* (CNPS 2024). Insignia biologists observed that no riparian vegetation was present within the channel or riparian zone surrounding the drainage within the survey area.

Ten hydrophytic vegetation communities were identified throughout the survey area, with at least one of these communities occurring within each of the mapped wetland features. The following communities and their dominant plant species are defined according to the National Wetland Plant List (USACE 2018):

- *Distichlis spicata* Herbaceous Alliance FAC,
- Frankenia salina Herbaceous Alliance FACW,
- Juncus arcticus (var. balticus, mexicanus) Herbaceous Alliance FACW,
- Lolium perenne Herbaceous Semi-natural Alliance FAC,
- Polygonum lapathifolium Xanthium strumarium Herbaceous Alliance UPL,
- Rosa californica Shrubland Alliance FAC,
- Sarcocornia pacifica (Salicornia depressa) Herbaceous Alliance OBL,
- Schoenoplectus (acutus, californicus) Herbaceous Alliance OBL,
- Schoenoplectus acutus/Rosa californica Association OBL, and
- Schoenoplectus americanus Herbaceous Alliance OBL.

## 5.0.2 Soils

Soils in the survey area that were mapped by the NRCS Web Soil Survey are shown in Figure 3: Soil Units Map and summarized in Table 1: Summary of NRCS Soil Descriptions.



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Map Unit Symbol	Soil Series	NRCS- Listed Hydric Soil (Yes/No)	Water Drainage	Material	Drainage and Permeability
Cc	Clear Lake clay, 0 to 15 percent slopes, MLRA 15	No	Poorly drained	Clayey alluvium derived from metamorphic and sedimentary rock	High runoff, slow to very slow permeability
DaC	Diablo-Ayar clays, 2 to 9 percent slopes	No	Well drained	Residuum weathered from weakly consolidated sediments	Very high runoff, slow permeability
DaE2	Diablo-Ayar clays, 9 to 30 percent slopes, eroded	No	Well drained	Residuum weathered from weakly consolidated sediments	Very high runoff, slow permeability
Ob	Omni silty clay	Yes	Poorly drained	Alluvium derived from sedimentary rock	Medium runoff, slow permeability
RbC	Rincon clay loam, 2 to 9 percent slopes, MLRA 14	No	Well drained	Clayey alluvium derived from sedimentary rock	High runoff
Та	Tamba mucky clay, MLRA 16	Yes	Very poorly drained	Organic material and/or clayey alluvium derived from igneous, metamorphic, and sedimentary rock	Low runoff, moderate permeability
Va	Valdez silt loam, drained, 0 to 2 percent slopes, MLRA 16	Yes	Poorly drained	Fine-silty alluvium derived from igneous, metamorphic, and sedimentary rock	Low runoff, moderately slow permeability
Vd	Valdez silty clay loam, strongly saline, 0 to 2 percent slopes, MLRA 16	Yes	Poorly drained	Alluvium derived from igneous, metamorphic, and sedimentary rock	High runoff, moderately slow permeability

#### Table 1: Summary of NRCS Soil Descriptions

As shown in Table 1: Summary of NRCS Soil Descriptions, the following eight soil map units were mapped within the survey area:

- Clear Lake clay, 0 to 15 percent slopes, Major Land Resource Area (MLRA) 15;
- Diablo-Ayar clays, 2 to 9 percent slopes;
- Diablo-Ayar clays, 9 to 30 percent slopes, eroded;
- Omni silty clay;
- Rincon clay loam, 2 to 9 percent slopes, MLRA 14;
- Tamba mucky clay, MLRA 16;
- Valdez silt loam, drained, 0 to 2 percent slopes, MLRA 16; and
- Valdez silty clay loam, strongly saline, 0 to 2 percent slopes, MLRA 16.

Table 1: Summary of NRCS Soil Descriptions provides a summary of the NRCS soil descriptions, as well as NRCS-listed hydric soils, within the survey area. Sampling investigations were conducted within all the vegetation alliances listed in Section 5.0.1 Vegetation due to the presence of hydrophytic vegetation. Identified hydric soil indicators (NRCS 2018), including their alphanumeric listing, include the following:

- Depleted below dark surface (A11),
- Thick dark surface (A12),
- Depleted matrix (F3),
- Loamy gleyed matrix (F2),

- Redox dark surface (F6),
- Redox depressions (F8), and
- Sandy redox (S5).
- 5.1 POTENTIALLY JURISDICTIONAL HYDROLOGICAL FEATURES

In total, 20 potentially jurisdictional features (one ephemeral drainage and 19 wetlands) were mapped within the survey area; these potentially jurisdictional features are depicted in Attachment A: Aquatic Resources Delineation Map. All features were identified north of the Delta and no potentially jurisdictional features were identified within the survey area south of the Delta (i.e., portion of survey area in the City of Pittsburg). Further, the survey area overlaps the Delta, a feature regulated by the USACE, RWQCB, and CDFW. No culverts were identified in the survey area. Attachment B: Photograph Log presents photographs of each jurisdictional feature observed and mapped within the survey area. Table 2: Metrics for D-1 and Table 3: Features within the Survey Area present the characteristics of the observed features, including a unique feature identification number (ID), hydrological regime or Cowardin classifications, and an assessment of agency jurisdiction. Features that were preliminarily mapped during initial reconnaissance-level surveys are included in Table 3: Features within the Survey Area and have a corresponding feature ID; however, as presented in the table, those features do not meet any of the established criteria for a wetland. They were included in the table to show that they were fully analyzed, but they are not mapped in Attachment A. The wetland determination data for the potentially jurisdictional wetlands is detailed in Attachment C: Wetland Determination Data Forms. Eight wetlands are potentially under the jurisdiction of the USACE and CDFW, and all wetlands are potentially under the jurisdiction of the RWQCB, according to Insignia's professional opinion. The ephemeral drainage (D-1) is potentially under the jurisdiction of the CDFW and RWQCB, but does not meet the criteria of WOTUS.

Although W-3, W-5, W-7, and W-9 do not currently have surface connections to navigable waters, it is suspected they are hydrologically connected to the Delta via groundwater due to the presence of salt-tolerant vegetation in the areas. A review of historical aerial imagery suggests these features were once tidally influenced by a surface connection, but due to heavy modification to the landscape (i.e., the addition of a berm), they no longer exhibit a surface connection to the Delta or other tidal waterbody. Aerial imagery does not indicate when this modification occurred. As a result, these features would be considered historic wetlands and likely under the jurisdiction of the USACE. W-1, W-4, and W-6 are tidally influenced by the Delta, making the adjacent wetlands—W-3, W-5, W-7, and W-9—CDFW-jurisdictional.

Four aquatic features evaluated within the survey area—W-19, W-24, W-27, and W-30 satisfied the USACE's vegetation criterion, but did not pass either the soils or hydrology test in accordance with USACE criteria. However, wetland delineator Christina Rodriguez observed that each feature had strong field indicators for the two respective tests they did pass and therefore initially concluded each of these features was a potential wetland. As a result, "Y [Yes]" was marked for the "Is the sampled area within a wetland?" section of the data forms while in the field. Subsequently, the datasheets were reviewed and further evaluation was given to each aquatic feature when determining which agencies have potential jurisdiction. Because the four aquatic features did not meet all three wetland parameters, the determination in the datasheet was changed to "N[No]" based exclusively on the three parameters documented in the field. Attachment C: Wetland Determination Data Forms details the findings and determinations of each of these features and notes any post-fieldwork modifications to the forms.

Table 4: Hydrological Feature Summary within the Survey Area summarizes the total assumed jurisdictional area, by agency, within the survey area.

Metric	Value
Feature ID	D-1
Hydrological Regime	Ephemeral
Page Number in Attachment A: Aquatic Resources Delineation Map	3
Approximate Length of Drainage in Survey Area (feet)	926.37
Average OHWM Depth (feet)	0.10
Average OHWM Width (feet)	3.00
Average Top of Bank (TOB Depth) (feet)	2.20
Average TOB Width (feet)	4.90
Approximate USACE-Jurisdictional Area (acres)	0.00
Approximate RWQCB-Jurisdictional Area (acres)	0.06
Approximate CDFW-Jurisdictional Area (acres)	0.10
Feature Description	Unnamed Tributary to the Delta

#### Table 2: Metrics for D-1

Table 3: Features within the Survey Area
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Feature ID	Cowardin Classification <sup>2</sup>	Attachment A Page Number	Approximate Size of Feature within Survey Area (acres)			Notes
			USACE	RWQCB	CDFW	
W-1	E2EM1	4	14.66	14.66	14.66	The feature meets USACE wetland determination criteria for the Arid West Region and has connectivity to a tidal WOTUS. As a result, the feature is also jurisdictional to the RWQCB and CDFW.
W-2	PEM1	4	0.00	0.56	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-3	PEM2	4	0.03	0.03	0.03	The feature meets USACE wetland determination criteria for the Arid West Region. While currently separated by a man-made berm, the feature was historically connected to a tidal WOTUS. As a result, the feature would also be jurisdictional to the RWQCB. The feature is associated with the Delta and therefore under CDFW jurisdiction.
W-4	E2EM1	4	2.60	2.60	2.60	The feature meets USACE wetland determination criteria for the Arid West Region and has connectivity to a tidal WOTUS. As a result, the feature would also be jurisdictional to the RWQCB. The feature is associated with the Delta and therefore under CDFW jurisdiction. Steep terrain and rip rap separate W-4 from W-6, preventing substantial vegetation growth.

 <sup>&</sup>lt;sup>2</sup> PEM1 = Palustrine Emergent Wetland: persistent.
PEM2 = Palustrine Emergent Wetland: non-persistent.
E2EM1 = Estuarine Intertidal Emergent Wetland: persistent.

Feature ID	Cowardin Classification <sup>2</sup>	Attachment A Page Number	Approxima	Approximate Size of Feature within Survey Area (acres)		Notes
			USACE	RWQCB	CDFW	
W-5	PEM2	4	0.07	0.07	0.07	The feature meets USACE wetland determination criteria for the Arid West Region. While currently separated by a man-made berm, the feature was historically connected to a tidal WOTUS. As a result, the feature would also be jurisdictional to the RWQCB. The feature is associated with the Delta and therefore under CDFW jurisdiction.
W-6	E2EM1	4	1.28	1.28	1.28	The feature meets USACE wetland determination criteria for the Arid West Region. While currently separated by a man-made berm, the feature was historically connected to a tidal WOTUS. As a result, the feature would also be jurisdictional to the RWQCB. The feature is associated with the Delta and therefore under CDFW jurisdiction. Steep terrain and rip rap separate W-6 from W-4, preventing substantial vegetation growth.
W-7	E2EM1	4	0.19	0.19	0.19	The feature meets USACE wetland determination criteria for the Arid West Region. While currently separated by a man-made berm, the feature was historically connected to a tidal WOTUS. As a result, the feature would also be jurisdictional to the RWQCB. The feature is associated with the Delta and therefore under CDFW jurisdiction.
W-8	-	-	-	-	-	The feature does not meet the USACE wetland determination criteria for the Arid West Region. The feature is not an isolated wetland under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and is not under CDFW jurisdiction.

Feature ID	Cowardin Classification <sup>2</sup>	Attachment A Page Number	Approximate Size of Feature within Survey Area (acres)			Notes
			USACE	RWQCB	CDFW	
W-9	E2EM1	4	0.84	0.84	0.84	The feature meets USACE wetland determination criteria for the Arid West Region. While currently separated by a man-made berm, the feature was historically connected to a tidal WOTUS. As a result, the feature would also be jurisdictional to the RWQCB. The feature is associated with the Delta and therefore under CDFW jurisdiction.
W-10	-	-	-	-	-	The feature does not meet the USACE wetland determination criteria for the Arid West Region. The feature is not an isolated wetland under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-11	PEM1	2	0.00	0.99	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-12	PEM1	2	0.85	0.85	0.85	The feature meets USACE wetland determination criteria for the Arid West Region. While currently separated by a man-made berm, the feature was historically connected to a tidal WOTUS. As a result, the feature would also be jurisdictional to the RWQCB. The feature is associated with the Delta and therefore under CDFW jurisdiction.
W-13	PEM1	2	0.00	0.46	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.

Feature ID	Cowardin Classification <sup>2</sup>	Attachment A Page Number	Approximate Size of Feature within Survey Area (acres)			Notes
			USACE	RWQCB	CDFW	
W-14	PEM1	2	0.00	0.51	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-15	PEM1	2	0.00	0.02	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-16	PEM1	2	0.00	0.28	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream or lake and therefore is not under CDFW jurisdiction.
W-17	PEM1	2	0.00	0.03	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-18	-	-	-	-	-	The feature does not meet the USACE wetland determination criteria for the Arid West Region. The feature is not an isolated wetland under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.

Feature ID	Cowardin Classification <sup>2</sup>	Attachment A Page Number	Approximate Size of Feature within Survey Area (acres)			Notes
			USACE	RWQCB	CDFW	
W-19 <sup>3</sup>	-	-	-	-	-	The feature does not meet the USACE wetland determination criteria for the Arid West Region. The feature is not an isolated wetland under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-22	PEM1	2	0.00	0.95	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-23	PEM1	2	0.00	1.92	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-24	-	-	-	-	-	The feature does not meet the USACE wetland determination criteria for the Arid West Region. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.

<sup>&</sup>lt;sup>3</sup> Feature W-19 was initially thought to be three separate features (i.e., W-19, W-20, and W-21). Following additional evaluation, it was determined that one larger feature was present. As a result, the feature was named W-19, interrupting the sequential numbering of wetland features. This numbering scheme is reflected in Attachment A: Aquatic Resources Delineation Map and Attachment C: Wetland Determination Data Forms.

Feature ID	Cowardin Classification <sup>2</sup>	Attachment A Page Number	Approxima	Approximate Size of Feature within Survey Area (acres)		Notes
			USACE	RWQCB	CDFW	
W-25	-	-	-	-	-	The feature does not meet the USACE wetland determination criteria for the Arid West Region. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-26	-	-	-	-	-	The feature does not meet the USACE wetland determination criteria for the Arid West Region. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-27	-	-	-	-	-	The feature does not meet the USACE wetland determination criteria for the Arid West Region. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-28	PEM1	1	0.00	0.45	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.
W-29	PEM1	1	0.00	0.06	0.00	The feature meets USACE wetland determination criteria for the Arid West Region but does not have connectivity to a WOTUS. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.

Feature ID	Cowardin Classification <sup>2</sup>	Attachment A Page Number	Approximate Size of Feature within Survey Area (acres)			Notes	
			USACE	RWQCB	CDFW		
W-30	-	-	-	-	-	The feature does not meet the USACE wetland determination criteria for the Arid West Region. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.	
W-31	-	-	-	-	-	The feature does not meet the USACE wetland determination criteria for the Arid West Region. The feature was determined to be an isolated wetland and is therefore a Water of the State under the jurisdiction of the RWQCB. The feature is not associated with a river, stream, or lake and therefore is not under CDFW jurisdiction.	
Total			20.52	26.75	20.52	•	

	Potential Jurisdiction								
Feature	US	ACE	RW	QCB	CDFW				
Туре	Area (Acres)	Length (Linear Feet)	Area (Acres)	Length (Linear Feet)	Area (Acres)	Length (Linear Feet)			
Wetlands	20.52	-	26.75	-	20.52	-			
Ephemeral Drainages	-	-	0.06	926.37	0.10	926.37			
Total	20.52	-	26.81	926.37	20.62	926.37			

#### Table 4: Hydrological Feature Summary within the Survey Area

## 5.2 NON-JURISDICTIONAL FEATURES

Non-jurisdictional hydrological features, including swales and erosional features, were present throughout the survey area. These features were reviewed during the jurisdictional delineation survey and were determined to not fall under the jurisdiction of the USACE, RWQCB, or CDFW. Though these features can carry surface water, they are not included in this report because they are non-jurisdictional.

## 6 – CONCLUSION

In total, 20 potentially jurisdictional hydrological features were identified within the survey area, including one ephemeral drainage and 19 wetlands potentially under the jurisdiction of the USACE, RWQCB, and/or CDFW. If temporary or permanent impacts to jurisdictional features were to occur, a Section 404 authorization from the USACE, a Section 401 WQC and Waste Discharge Requirement permit from the RWQCB, and/or an LSAA from the CDFW would need to be obtained prior to construction.

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ATTACHMENT A: AQUATIC RESOURCES DELINEATION MAP








ATTACHMENT B: PHOTOGRAPH LOG

## ATTACHMENT B: PHOTOGRAPH LOG































February 2025 B-8

































ATTACHMENT C: WETLAND DETERMINATION DATA FORMS

	W-1
WETLAND DETERN	IINATION DATA FORM – Arid West Region
Project/Site: Collinsuine	City/County: Solano Canty Sampling Date: 6-6-20
Applicant/Owner: LS POWEr	State: <u>CA</u> Sampling Point: <u>SP-</u>
Investigator(s): Karen Bach, Victoria Vefremer	KOJASection, Township, Range: SØØ T3N RSE
Landform (hillslope, terrace, etc.): +Destore	Local relief (concave, convex, none): Slope (%): _
Subregion (LRR): LRRC	Lat: 38.0749792 Long: -121.8269361 Datum: NAD 83
Soil Map Unit Name: Valdez Silt LOAM, drained	, 0+02% STORES, MLRA 16 NWI classification: EZEM 1P
Are climatic / hydrologic conditions on the site typical for this ti	me of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology sign	
Are Vegetation, Soil, or Hydrology nat	
	nowing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes <u>X</u> No Hydric Soil Present? Yes X No	is the campica mea
	within a Wetland? Yes No
Remarks:	

VEGETATION			In diantan	Deminence Test workshoot
Tree Stratum (Use scientific names.) (=30 <sup>1</sup>	Absolute % Cover	Dominant Species?		Dominance Test worksheet:          Number of Dominant Species         That Are OBL, FACW, or FAC:
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
Total Cov	er:	-		That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (>15				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				$\frac{1}{\text{OBL species}} = \frac{7}{7} \text{ x1} = \frac{7}{7}$
3				FACW species $13 \times 2 = 26$
4			·	FAC species $8^3$ $x_3 = 249$
5	0			FACU species $\bigcirc$ $x = \bigcirc$
Herb Stratum	er	- ,		UPL species $\bigcirc$ x 5 = $\bigcirc$
Herb Stratum (= 5' 1. Distichtis spiceta	80	Y	FAC	Column Totals: $103$ (A) $282$ (B)
2. Typha lationia	1	N	OBL	
3. Phrasmiles australis	1	N	FACW	Prevalence Index = $B/A = 2.74$
4. COTOLA COCOMPIFOLICA	5	N	OBL	Hydrophytic Vegetation Indicators:
5. Levidium laticatium	3	N	FAC	∠ Dominance Test is >50%
6. AtriPlax prostruta	2	N	FIACW	✓ Prevalence Index is ≤3.0 <sup>1</sup>
7. Scholngele Ltus acutus	1	N	OBL	Morphological Adaptations <sup>1</sup> (Provide supporting
8. Frankenia salina	10	N	FACU	data in Remarks or on a separate sheet)
Total Cov	er: 103			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum VEIS		7		States California Contraction of the
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cov	ver: O			Hydrophytic
0	ver of Biotic C	Crust	0	Vegetation Present? Yes No
Remarks:				-
Sample plot located within fro	nuenia s	intina) C	Distichio	spiceth alliance adjuant to
Schamparty millare. Some Sch	Denopuel	15/typh	a/phia	smites extending into advacant
Ves commity at small cover and	nts but	SP-1	locate	wholly within F. salina / D. spicht co

## SOIL

Sampling Point: SP-1

• .

Depth	Matrix		oth needed to docu Red	ox Feature	20			
(inches)	Color (moist)	%	Color (moist)	%		_Loc <sup>2</sup>	Texture	Domestic
0-5	2.5 43/2	260					SIGL	Remarks
	104 4/1	39					SICL	
1		5					Sill	Gley Paye
	N 2,5/0						Sich	Gley page
5-16	569 4/1	99	104R2/6	1	С	pl/oc	Sicl	Gry Page
<sup>1</sup> Type: C=Co	ncentration, D=Dep	letion. RM	=Reduced Matrix		PI =Por	e Lining R		nnel, M=Matrix.
Hydric Soil Ir	ndicators: (Applic	able to all	LRRs, unless othe	erwise not	ted )	e Lining, P	Indicator	s for Problematic Hydric Soils <sup>3</sup> :
Histosol (					eu.,			
-	ipedon (A2)		Sandy Rec Stripped M					Muck (A9) (LRR C)
Black His								Muck (A10) (LRR B)
	Sulfide (A4)		Loamy Mu					ced Vertic (F18)
	Layers (A5) (LRR	C)	Depleted N					Parent Material (TF2)
	ck (A9) (LRR D)	-/	Redox Dar				Outer	(Explain in Remarks)
	Below Dark Surfac	e (A11)	Depleted D					
_ Thick Dar	k Surface (A12)	,,	Redox Dep					
	ucky Mineral (S1)		Vernal Poo		,		<sup>3</sup> Indicators	s of hydrophytic vegetation and
	eyed Matrix (S4)			, , , , , , , , , , , , , , , , , , ,				d hydrology must be present.
	ayer (if present):							a ny storegy maar so prosont.
resultive La	ayer (if present):							
								,
Type: _//	ine	-	_				Undeia Cal	
Type: Depth (inch Remarks:	nes):		_				Hydric Soi	1
Type: <u>A</u> Depth (inch Remarks:	nes):	a mi	xture of s ark (i.e. 3	(z)	(0101.	s. A150 Soit.		A11 Since surface
Type: <u>A</u> Depth (inch Remarks: TOP 5" [age (DROLOG	of soil is of soil is is prevomine	Hy D	xture of s ark (i.e. 3	Several 5/2) C	COTOR.	s. A150 Soit.		1
Type: <u>A</u> Depth (inch Remarks: TOP 5" [age/ (DROLOG	of soil is is prevomina	Hy D	ark (i.e., 3	5eural 5/2) c	Color.	s. A150 20:1.	0 meets	/
Type: <u>A</u> Depth (inch Remarks: TOP 5" (age (DROLOG Vetland Hydr	of soil is of soil is is prevomine	Hy D	ark (i.e, z	5eural 5/2) C	Colored	5. A150 Soi 1.	O meets	A11 Since surface
Type: <u>A</u> Depth (inch Remarks: TOP 5" (age (DROLOG Vetland Hydr	es): of soil is is predomina is r ology Indicators: tors (any one indic	Hy D	ark (i.e, z	5/2) (	Colored	5. A150 Soi 1.	0 meets <u>Seco</u>	A11 Since surface Indary Indicators (2 or more required) Water Marks (B1) (Riverine)
Type: <u>A</u> Depth (inch Remarks: TOP 5" (agc <b>/DROLOG</b> Vetland Hydr rimary Indicat Surface W	of soil is of soil is is predomine if ology Indicators: tors (any one indic later (A1)	Hy D	cient)	(B11)	COTOCE)	5. A150 Soit.	0 meets 	A11 Since surface andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: <u>A</u> Depth (inch Remarks: TOP 5" [age /DROLOG /etland Hydro rimary Indicat Surface W High Wate	CF Soil is OF Soil is is predomine is predomine is is tors (any one indic vater (A1) or Table (A2)	Hy D	cient) 	: (B11) st (B12)	orored	s. A150 Soit.	0 meets <u>Seco</u>	A11 Since surface andary Indicators (2 or more required) Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type: <u>A</u> Depth (inch Remarks: TOP 5" [age /DROLOG /etland Hydro rimary Indicate Surface W High Wate Saturation	Cf Soil is of Soil is is predomine if ology Indicators: tors (any one indic later (A1) ar Table (A2) (A3)	ator is suffi	cient) Salt Crust Biotic Cru Aquatic In	(B11) st (B12) vertebrate	es (B13)	5. ANSO Soit.	2 meets <u>Seco</u>   	A11 Since surface andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type: <u>A</u> Depth (inch Remarks: TOP S" [age /DROLOG /etland Hydr rimary Indicat Surface W High Wate Saturation Water Mar	of Soil is is predomina is predomina is ology Indicators: tors (any one indic later (A1) or Table (A2) (A3) ks (B1) (Nonriveri	ator is suffi	cient) Salt Crust Biotic Cru Aquatic In Hydrogen	: (B11) st (B12) vertebrate Sulfide O	හා හැදුව es (B13) dor (C1)	Soi1.	0 meets <u>Seco</u>  	A11 Since surface andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Type: Depth (inch temarks: TOP 5" [age /DROLOG /etland Hydr /rimary Indicat Surface W High Wate Saturation Water Mari Sediment I	CF Soil is of Soil is is predomina is predom	ator is suffi ne) nriverine)	cient) Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	: (B11) st (B12) vertebrate Sulfide O Rhizosphe	es (B13) dor (C1) eres along	Soil.	0 meets <u>Seco</u>       	A11 Since surface Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Type: Depth (inch Remarks: TOP 5" [age /DROLOG /etland Hydr / Surface W High Wate Saturation Sediment I Sediment I Sediment I	CAL hes): Of Soil is is predomine is pre	ator is suffi ne) nriverine)	cient) Salt Crust Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce	es (B13) dor (C1) eres along ed Iron (C4	Soil.	0 meets <u>Seco</u> <u></u> <u></u>  _	A11 Since Surface Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Type: Depth (inch Remarks: TOP 5" [age /DROLOG /etland Hydro rimary Indicat Surface W High Wate Saturation Water Mari Sediment I Drift Depos Surface So	CAL hes): Of Soil is is predomine is pre	ne) nriverine) ine)	cient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce	es (B13) dor (C1) eres along ed Iron (C4 ion in Plov	Soil.	Seco <u>Seco</u> <u>Seco</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u>	A11 Since Surface andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type: Depth (inch temarks: TOP 5" [950] (DROLOG /etland Hydro frimary Indicat Surface W High Wate Saturation  Water Mart  Surface So  Surface So  Surface So  Surface So	Cf Soil is of Soil is is predomina if ology Indicators: tors (any one indic /ater (A1) er Table (A2) (A3) ks (B1) (Nonriveri Deposits (B2) (Nor sits (B3) (Nonriver sits (B3) (Nonriver sits (B6) Visible on Aerial Ir	ne) nriverine) ine)	cient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce	es (B13) dor (C1) eres along ed Iron (C4 ion in Plov	Soil.	0 meets <u>Seco</u> <u>Seco</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u>	A11 Since Surface andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Type: Depth (inch temarks: TOP 5" [age //DROLOG //etland Hydr //DROLOG //etland Hydr //DROLOG	CAL hes): Of Soil is is predomina is pre	ne) nriverine) ine)	cient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce	es (B13) dor (C1) eres along ed Iron (C4 ion in Plov	Soil.	0 meets <u>Seco</u> <u>Seco</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u>	A11 Since Surface andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS
Type: Depth (inch Remarks: TOP 5" [age //DROLOG //U	CAL hes): Of Soil is is predomina is pre	ne) nriverine) ine)	cient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc Other (Exp	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce on Reducti plain in Re	es (B13) dor (C1) eres along ed Iron (C4 ion in Plov	Soil.	0 meets <u>Seco</u> <u>Seco</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u>	A11 Since Surface andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3)
Type: Depth (inch Remarks: TOP 5" [agg/ /DROLOG /vetland Hydre /rimary Indicat / Surface W / High Wate / Saturation Sediment I / Sediment I / Surface So Surface So Nuter-Stain eld Observat	Content of Soil is of Soil is is predomina is predomina	ne) nriverine) ine) magery (B7	cient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce on Reducti plain in Re	es (B13) dor (C1) eres along ed Iron (C4 ion in Plov	Soil.	0 meets <u>Seco</u> <u>Seco</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u>	A11 Since Surface andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3)
Type: Depth (inch Remarks: TOP 5" (age YDROLOG Vetland Hydro YDROLOG Wetland Hydro High Wate Saurface W High Wate Saturation Water Mart Sediment I Sediment I Surface So Surface So Inundation	CAL hes): Of Soil is is predomina is predomina is predomina is predomina is predomina is (any one indic tors (any one indic t	ne) nriverine) nagery (B7	cient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc Other (Exp	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce on Reducti plain in Re	es (B13) dor (C1) eres along ed Iron (C4 ion in Plov	Soil.	0 meets <u>Seco</u> <u>Seco</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u>	A11 Since Surface andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3)
Type: Depth (inch Remarks: TOP 5" [0gc <b>YDROLOG</b> <b>Vetland Hydro</b> <b>YDROLOG</b> <b>Vetland Hydro</b> <b>YDROLOG</b> Vetland Hydro Firmary Indicat Surface W High Water Saturation Water Mart Sediment I Sediment I Surface So Inundation Water-Stain eld Observat	CAL hes): Of Soil is is predomina is predomina is predomina is predomina is predomina is predomina present (A1) ratable (A2) (A3) ratable (A2) (Nonriveri poil Cracks (B6) Present? Ye sent? Ye	ator is suffi ne) nriverine) ine) magery (B7	cient) Salt Crust Biotic Cru Aquatic In Aquatic In Hydrogen Oxidized I Presence Recent Inc Other (Exp No Depth (in	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce on Reducti plain in Re ches): <u>\</u>	es (B13) dor (C1) eres along ed Iron (C4 ion in Plov emarks)	Living Roo 4) ved Soils ((	0 meets <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u>	A11 Since Surface andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3)

Remarks:

			FORM	W-1
Project/Site: <u>COllinsville</u>	c	ity/County:	Solano	County Sampling Date: 5-6-29
Applicant/Owner: LS Power				State: CA Sampling Point: SP - 2
Investigator(s): Karen Bach, victory yetremen	Nove S	Section, Tow	nship, Rang	10: SOO TON RAE
Landform (hillslope, terrace, etc.): + OCS10PC		Local relief (	concave, co	nvex, none): <u>flat</u> Slope (%): <u>45</u>
Subregion (LRR): LRRC	Lat: 38.	07506	20	Long: - 121.8269983 Datum: NAD83
Soil Map Unit Name: Vandez Sitt Damy dramed,	0.1025	Sloves, 1	NLKAI	NWI classification: EZEM) P
Are climatic / hydrologic conditions on the site typical for this	time of yea	r? Yes	× No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology sig				lormal Circumstances" present? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology na	turally prob	plematic?		ded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing	sampling		
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: SP-2 is located on a slightly	erevat	Is the within	e Sampled / n a Wetland	Area d? Yes <u>No</u>
located just north of sp-2 and se	outh of	SP-3.		
/EGETATION				
	Absolute			Dominance Test worksheet:
	% Cover	Species?	Status	Number of Dominant Species
2				That Are OBL, FACW, or FAC: (A)
3.				Total Number of Dominant
4.				Species Across All Strata: (B)
Total Cover:	0			Percent of Dominant Species
Sapling/Shrub Stratum	-10-			That Are OBL, FACW, or FAC:O (A/B
1				Prevalence Index worksheet:
2			_	Total % Cover of: Multiply by:
3				OBL species 25 x1= 35
				FACW species 41 x2= 82
				FAC species 5 x 3 = 5
Hoth Stratum 0 = 5 Total Cover:	_0_			FACU species x 4 =
leib Stratum	40		E4	UPL species 0 x 5 = 0
- Frankenia salina		<u> </u>	FACW	Column Totals: 6 (A) 132 (E
- Jalicornic Pacifica	35		DBL	
Distighting atifoliam		_N	FAC	Prevalence Index = B/A =
- PISTICITIO SPICATO		_N	FAL	Hydrophytic Vegetation Indicators:
-Atriplex Prostrata		-N_	FACW	<u>✓</u> Dominance Test is >50%
Fustica purennis	_2	N	FAC	∴ Prevalence Index is ≤3.0 <sup>1</sup>
				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
Voody Vine Stratum		-		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
			_	<sup>1</sup> Indicators of hydric soil and wetland hydrology mus
				be present.
	0			
Total Cover:	81			Hydrophytic
Total Cover:	of Biotic C	- Crust	ð	Hydrophytic Vegetation Present? Yes X No

۰.

Depth	cription: (Describe to Matrix		D	edox Features				
inches)	Color (moist)	%				Loc <sup>2</sup>	Texture	Remarks
								Ternante
5.5	or your in the	0.01					SICK	
5-5	2.573/2	100						
-18	2.57 5/2	80	7.5YR	1/6 20	_C_	M/PL	SICL	tedax fromment
	oncentration, D=Deple Indicators: (Applica					e Lining, R		inel, M=Matrix. s for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy I					Muck (A9) (LRR C)
	pipedon (A2)			Matrix (S6)				Muck (A10) (LRR B)
	istic (A3)			Mucky Minera	l (F1)			ced Vertic (F18)
_ Hydroge	en Sulfide (A4)			Gleyed Matrix				Parent Material (TF2)
Stratified	d Layers (A5) (LRR C	)		d Matrix (F3)				(Explain in Remarks)
	uck (A9) (LRR D)		/ •	Dark Surface (	(F6)			
X Deplete	d Below Dark Surface	(A11)	Deplete	d Dark Surfac	e (F7)			
_ Thick Da	ark Surface (A12)		Redox	Depressions (I	F8)			
	Aucky Mineral (S1)		Vernal	Pools (F9)			<sup>3</sup> Indicators	s of hydrophytic vegetation and
	loved Matrix (CA)						wetland	d hydrology must be present.
	Bleyed Matrix (S4)							
estrictive	Layer (if present):							
	Layer (if present):							3
Type: Depth (in	Layer (if present):		_		¢		Hydric Soi	Il Present? Yes <u>×</u> No
Type: Depth (in eemarks:	Layer (if present): // A ches):		=		ç		Hydric Soi	ll Present? Yes <u>×</u> No
Type: Depth (in Remarks:	Layer (if present): // A ches):				¢			I Present? Yes <u>X</u> No
Restrictive Type: Depth (in Remarks: YDROLO Vetland Hy	Layer (if present): // A ches):	tor is suffi	cient)		¢		Seco	ondary Indicators (2 or more required)
Type: Depth (in Remarks: CDROLO Vetland Hy rimary India	Layer (if present): // A ches): GY drology Indicators:	tor is suffi	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rust (B11)	<		\	ondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Type: Depth (in eemarks: CDROLO Vetland Hy rimary India Surface	Layer (if present): //A ches): GY drology Indicators: cators (any one indica Water (A1)	tor is suffic	Salt C		¢			ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: Depth (in emarks: /DROLO /etland Hy rimary India Surface High Wa	Layer (if present): //A ches): GY drology Indicators: cators (any one indica Water (A1) ater Table (A2)	tor is suffic	Salt C Biotic	Crust (B12)	¢		<u>Seco</u>	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Aestrictive Type: Depth (in Remarks: (DROLO (Vetland Hy rimary India Surface High Wa Saturati	Layer (if present): // A ches): GY drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3)		Salt C Biotic Aquati	Crust (B12) c Invertebrate			<u>Seco</u>	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Restrictive Type: Depth (in Remarks: //DROLO //etland Hy //imary India Surface High Wa Saturatia Water M	Layer (if present): // A ches): GY drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverin	ne)	Salt C Biotic Aquati Hydro	Crust (B12) c Invertebrate gen Sulfide Od	dor (C1)		<u>Seco</u>	andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Restrictive Type: Depth (in Remarks: //DROLO //etland Hy //imary India Surface High Wa Saturati Water M Sedimen	Layer (if present): // A ches): GGY drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverin nt Deposits (B2) (Non	ne) riverine)	Salt C Biotic Aquati Hydro Oxidiz	Crust (B12) c Invertebrate gen Sulfide Od ed Rhizosphe	dor (C1) res along		<u>Seco</u>     ts (C3)	andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Restrictive Type: Depth (in Remarks: (DROLO Vetland Hy Vetland Hy Vetland Hy Vetland Hy Vetland Hy Surface High Wa Saturati Water M Sedimei Drift Dej	Layer (if present): // A ches): GY drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverin nt Deposits (B2) (Non posits (B3) (Nonriverin	ne) riverine)	Salt C Biotic Aquati Hydro Oxidiz Presen	Crust (B12) c Invertebrate gen Sulfide Od ed Rhizosphe nce of Reduce	dor (C1) res along ed Iron (C4	4)	<u>Seco</u> 	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Restrictive Type: Depth (in Remarks: YDROLO Vetland Hy rimary India Surface High Wa Saturati Water M Sedimen Drift Dep Surface	Layer (if present): // A ches): GY drology Indicators: cators (any one indicators)) cators (any one indicators)) cators (any one indicators)) cato	ne) riverine) ne)	Salt C Biotic Aquati Hydro Oxidiz Presei Recen	Crust (B12) c Invertebrate gen Sulfide Od ed Rhizosphe nce of Reduce t Iron Reducti	dor (C1) res along ed Iron (C4 ion in Plov	4)	<u>Seco</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Aestrictive Type: Depth (in Remarks: //DROLO //etland Hy rimary India Surface High Wa Saturatia Saturatia Water Mater Ma	Layer (if present): // A ches): GGY drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverin nt Deposits (B2) (Non posits (B3) (Nonriveri Soil Cracks (B6) on Visible on Aerial In	ne) riverine) ne)	Salt C Biotic Aquati Hydro Oxidiz Presei Recen	Crust (B12) c Invertebrate gen Sulfide Od ed Rhizosphe nce of Reduce	dor (C1) res along ed Iron (C4 ion in Plov	4)	<u>Seco</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Aestrictive Type: Depth (in Remarks: //DROLO //etland Hy rimary Indii Surface High Wa Saturatii Water M Sedimen Drift Dep Surface Inundatii Water-S	Layer (if present): // A ches): Ch	ne) riverine) ne)	Salt C Biotic Aquati Hydro Oxidiz Presei Recen	Crust (B12) c Invertebrate gen Sulfide Od ed Rhizosphe nce of Reduce t Iron Reducti	dor (C1) res along ed Iron (C4 ion in Plov	4)	<u>Seco</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Restrictive Type: Depth (in Remarks: YDROLO Vetland Hy Yrimary India Surface High Wa Saturatia Water M Sedimea Drift Deg Surface Inundati Water-S ield Obser	Layer (if present): // A ches): GGY drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverin nt Deposits (B2) (Non posits (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial In itained Leaves (B9) vations:	ne) riverine) ne) nagery (B7	Salt C Biotic Aquati Hydro Oxidiz Presei Recen Other	Crust (B12) c Invertebrate gen Sulfide Od ed Rhizosphe nce of Reduce t Iron Reducti (Explain in Re	dor (C1) res along ed Iron (C4 ion in Plov	4)	<u>Seco</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
estrictive Type: Depth (in emarks:	Layer (if present): A / A ches): GY drology Indicators: cators (any one indicators: cators	ne) riverine) ne) nagery (B7 s N	Salt C Solution Solu	Crust (B12) c Invertebrate gen Sulfide Od ed Rhizosphe nce of Reduce t Iron Reducti (Explain in Re	dor (C1) ares along ad Iron (C4 on in Plov emarks)	4) ved Soils (C	<u>Seco</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Restrictive Type: Depth (in Remarks: YDROLO Vetland Hy rimary India Surface High Wa Saturatia Water Na Sedimen Surface Inundatia Water-S ield Obser Surface Water Vater Table aturation P ncludes ca	Layer (if present): A / A ches): GY drology Indicators: cators (any one indicators: cators (B2) (Non socials (B3) (Nonriveriants socials (B3) (Non	ne) riverine) nagery (B7 s N s N s N	Salt C     Biotic     Aquati     Hydro     Oxidiz     Presei     Recer ) Other	Crust (B12) c Invertebrate gen Sulfide Od ed Rhizosphe nce of Reduce t Iron Reducti (Explain in Re n (inches): n (inches): n (inches):	dor (C1) ares along ad Iron (C4 ion in Plov emarks)	4) ved Soils (C		Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Restrictive Type: Depth (in Remarks: YDROLO Vetland Hy Primary India Surface High Wa Saturatii Water N Sedimei Drift Dej Surface Inundati Water-S Sield Obser Surface Wate Vater Table Saturation P includes ca Describe Re	Layer (if present): A / A ches): GY drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrivering nt Deposits (B2) (Non posits (B3) (Nonrivering Soil Cracks (B6) on Visible on Aerial In itained Leaves (B9) vations: er Present? Ye Present? Ye resent? Ye	ne) riverine) nagery (B7 s N s N s N	Salt C     Biotic     Aquati     Hydro     Oxidiz     Presei     Recer ) Other	Crust (B12) c Invertebrate gen Sulfide Od ed Rhizosphe nce of Reduce t Iron Reducti (Explain in Re n (inches): n (inches): n (inches):	dor (C1) ares along ad Iron (C4 ion in Plov emarks)	4) ved Soils (C		Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Restrictive Type: Depth (in Remarks: (DROLO Vetland Hy rimary India Surface High Wa Saturatia Water M Sedimen Surface Inundatia Water-S ield Obser Auface Water Vater Table aturation P ncludes ca Describe Re	Layer (if present): A / A ches): GY drology Indicators: cators (any one indicators: cators (B2) (Non socials (B3) (Nonriveriants socials (B3) (Non	ne) riverine) nagery (B7 s N s N s N gauge, mo	Salt C     Biotic     Aquati     Hydro     Oxidiz     Presei     Recen     Other     Other	Crust (B12) c Invertebrate gen Sulfide Od ed Rhizosphe nce of Reduce t Iron Reducti (Explain in Re n (inches): n (inches): n (inches): rial photos, pr	dor (C1) ares along ad Iron (C4 ion in Plov emarks)	4) ved Soils (C		Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)

W-1
WETLAND DETERMINATION DATA FORM – Ar	rid West	Region
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Project/Site:	City/County: Soland	county	Sampling Date: 5-6-24
Applicant/Owner: LS Power		State: CA	Sampling Point: SP-Z
Investigator(s): Karen Bach, victora yefremunique			
Landform (hillslope, terrace, etc.): + OCSI QC	Local relief (concave, co	onvex, none): Flat	Slope (%): <u>45</u>
Subregion (LRR): LRRC Lat:		Long: - 121.826	9983 Datum: NAD83
Soil Map Unit Name: Vardez Sitt Dam, Scand, 010	LASIOPOS, MLKA 1	NWI classific	cation: <u>EZEMIP</u>
Are climatic / hydrologic conditions on the site typical for this time of	i year? Yes X No	(If no, explain in R	
	ntly disturbed? Are "N	ormal Circumstances" p	present? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology naturally	problematic? (If nee	ded, explain any answe	ers in Remarks.)
			torrestant factures ate

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>×</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes No
Remarks: SP-2 is located on located just north o		J area just north of SP-1. A depression is SP-3.

#### VEGETATION

	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Use scientific names.) $P = 30$	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1				.1
2				Total Number of Dominant Species Across All Strata: (B)
4 Total Cover. Sapling/Shrub Stratum ルンテリン	Ø			Percent of Dominant Species That Are OBL, FACW, or FAC:(D_(2)(A/B)
1				Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species 25 x1 = 35
4				FACW species x 2 = 82
5				FAC species $5 \times 3 = 15$
5 Total Cover:	a			FACU species x 4 =
Herb Stratum	10			UPL species x 5 =
1. Eventienia salina	40	Y	FACW	Column Totals: $(A)$ (A) $132$ (B)
2. Salicornia parifica	35	1	OBL	
3. Lepidium Intifolium		N	FAC	Prevalence Index = B/A =63
4. Distichlis spicate			FAL	Hydrophytic Vegetation Indicators:
5. Atriplase Prostrata		N	FACW	X Dominance Test is >50%
6. Fustuca purennis		N	FAC	X Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
Woody Vine Stratum D=15 Total Cover:	81			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1				be present.
Total Cover:	81			Hydrophytic
% Bare Ground in Herb Stratum % Cover of		ust/	8	Vegetation Present? Yes X No
Remarks:				

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#### WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Collinsville	City/County: Solano County Sampling Date: 5-6-24
Applicant/Owner: LS POLICE	State: CA Sampling Point: SP-3
Investigator(s): Karen Bach, Victoria Veframmanuava	Section, Township, Range: $S \not                                  $
Landform (hillslope, terrace, etc.): toeslope	Local relief (concave, convex, none): Slope (%): <u>LS</u>
Subregion (LRR): LRRC Lat: 3	8.0751080 Long: -121, 8267615 Datum: NAD 83
Soil Map Unit Name: Valdez Sil loan drained, 010;	
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally pr	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?     Yes No       Hydric Soil Present?     Yes No       Wetland Hydrology Present?     Yes No	Is the Sampled Area within a Wetland? Yes No

Remarks:						2.	~ 1	10'000	and all of	Ell varter	worldo 1
CP-3	is	located	Soft of	Jownsle	pe of	a dift	1000	, Minor	umbarro or	fill materie	
Withh	50,1	Pit but	soil tex	dute is	constant	t with	other	SUIK SEN	pled in this	luction (SP-	and Sp-2)

#### VEGETATION

	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Use scientific names.) C= 30 <sup>1</sup> 1	2000	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
Sapling/Shrub Stratum (>>5	0			That Are OBL, FACW, or FAC: <u>50 %</u> (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species O x 1 = O
4.				FACW species 3 x 2 = 6
5.		-		FAC species $55 \times 3 = 165$
Total Cover	0			FACU species $\int I = x 4 = 244$
Herb Stratum (=5				UPL species x 5 =
1. Hordeum mutinum	60	Y	FACU	Column Totals: 120 (A) 4120 (B)
2. Festuca perrinis	45	4	FAC	
3. Distichtis spicata	10	Ň	FAC	Prevalence Index = B/A = 3.5
4. Frunklinia salina	3	N	FACW	Hydrophytic Vegetation Indicators:
5. Realtich Disra	1	N	UPL	Dominance Test is >50%
6. Muldella leprosa	1	N	FACU	Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting
8.				data in Remarks or on a separate sheet)
Total Cover	120			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (=15				Indiantary of huddle call and watland hudrology must
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
2		-		
% Bare Ground in Herb Stratum	of Biotic C	- rust (	2	Hydrophytic Vegetation Present? Yes No _X
Remarks:				
i tomana,				

SOIL	A State State						Street States		int: <u>SF-3</u>
Profile Des	cription: (Describe t	o the de	pth needed to doc	ument the	indicator	or confir	m the absence of in	dicators.)	
Depth	Matrix		Re	dox Feature	es				
(inches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>			Remark	
3.5	organic lege	d							
0-8	2.54 3/2	99	10412 3/	6 41	6	Μ	SICL		
8-11	107R 4/3	80	7.5YR 41	6 20	C	Μ	SICK		
11-15	10412 4/1	80	7.5YR 3	14 20	C	M	SICL		
	oncentration, D=Deple					e Lining,			
	Indicators: (Applica	ble to al			ted.)			Problematic Hyd	ric Soils <sup>3</sup> :
_ Histosol			Sandy Re				1 cm Muck (A9) (LRR C)		
-	pipedon (A2) istic (A3)			Matrix (S6)			<ul> <li>2 cm Muck (A10) (LRR B)</li> <li>Reduced Vertic (F18)</li> <li>Red Parent Material (TF2)</li> <li>Other (Explain in Remarks)</li> </ul>		
	en Sulfide (A4)		Loamy M	ucky Minera					
	d Layers (A5) (LRR C	)	Depleted						
	uck (A9) (LRR D)	/	Redox Da						
	d Below Dark Surface	(A11)		Dark Surfa					
	ark Surface (A12)			epressions					
_ Sandy N	Aucky Mineral (S1)		Vernal Po				<sup>3</sup> Indicators of hydrophytic vegetation and		
	Gleyed Matrix (S4)						wetland hydr	ology must be pre	esent.
	Layer (if present):								
Type: Depth (ind	ches):						Hydric Soil Pres	sent? Yes	No
Remarks:								and the second	
_									
DROLO									
etland Hyd	drology Indicators:						Secondary	Indicators (2 or r	more required
rimary Indic	cators (any one indicat	or is suff	ficient)				Water	Marks (B1) (Rive	erine)
Surface	Water (A1)		Salt Cru	st (B11)			Sedim	ent Deposits (B2)	(Riverine)

Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient)	Water Marks (B1) (Riverine)
Drift Deposits (B3) (Nonriverine) Presence of Rec	ates (B13)       Drainage Patterns (B10)         c Odor (C1)       Dry-Season Water Table (C2)         oheres along Living Roots (C3)       Thin Muck Surface (C7)         uced Iron (C4)       Crayfish Burrows (C8)         uction in Plowed Soils (C6)       Saturation Visible on Aerial Imagery (C9)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes <u>No X</u> Depth (inches):	
Saturation Present? Yes <u>No Yes</u> Depth (inches): (includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos Remarks:	, previous inspections), if available:

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WETLAND DETERMINATION DATA FORM – Arid West Region
Project/Site: <u>CONTOSUDILE</u> City/County: <u>SOLAND COUNTY</u> Sampling Date: <u>5-6-24</u>
Applicant/Owner: LS FOWER State: CA Sampling Point: SP - 4
Investigator(s): Karen Bach, Victoria Yefremmerou Section, Township, Range: SOD T3N R1E
Landform (hillslope, terrace, etc.): footslope Local relief (concave, convex, none): Slope (%): 45
Subregion (LRR): LRR C Lat: 38.0748484 Long: -121.8303343 Datum: NAD 83
Soil Map Unit Name: Valdez Silty clay law, Strongly Saline, Oto 2%, STOPES NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes Yes No Is the Sampled Area

Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No	Is the Sampled Area within a Wetland?	Yes No
Remarks:			

#### VEGETATION

<u>Tree Stratum</u> (Use scientific names.) (= 30 <sup>1</sup> 1		Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
23				Total Number of Dominant (	(B)
4					(D)
Sapling/Shrub Stratum	0			Percent of Dominant Species That Are OBL, FACW, or FAC:0つ	(A/B)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species 0 x1= 0	
4				FACW species 83 x 2= 166	
5.				FAC species x 3 =	
Total Cover	. 0			FACU species 2 x4= 8	
Herb Stratum C=S				UPL species $1 \times 5 = 5$	
1. Frankunia salina	80	Y	FACW	Column Totals: <u>87</u> (A) <u>179</u>	(B)
2. Hordeum Murinum	.1	N	FACU		(0)
3. Festula permis	1	N	TACU	Prevalence Index = $B/A = 2.05$	
4. Carduus pycholephalus	1	N	UPL	Hydrophytic Vegetation Indicators:	
5. Silybum marianon	1	N	UPL	X Dominance Test is >50%	
6. Atoplex prostanta	3	N	FACW	X Prevalence Index is ≤3.0 <sup>1</sup>	
7				Morphological Adaptations <sup>1</sup> (Provide supportin	ng
8				data in Remarks or on a separate sheet)	
Woody Vine Stratum (= 15) Total Cover	87			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	)
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology mu	ust
2.				be present.	
Total Cover.	0			Hydrophytic Vegetation	
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	ust	)	Present? Yes No	
Remarks:					

US Army Corps of Engineers

D-2.5       Ø yearte         Micrit       Micrit         Micrit       Micrit         Micrit       Micrit         SIL       Micrit         Silipped       Micrit         Micrit       Silipped         Micrit       Micrit         Micrit       Carnet         Micrit       Carnet         Micrit       Carnet         Micrit       Carnet         Micrit       Carnet         Micrit       Carnet	marks
Image: Secondary Indicators:       Image: Secondary Indicators:         Image: Secondary Indicators:       Image: Secondary Indicators:         Image: Secondary Indicators:       Image: Secondary Indicators:         Image: Secondary Indicators:       Image: Secondary Indicators:         Image: Secondary Indicators:       Image: Secondary Indicators:         Image: Secondary Indicators:       Secondary Indicators:	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix. <sup>2</sup> Location: PL=Pore Lining, RC=Root Channel, M=Matrix.         indicators: (Applicable to all LRRs, unless otherwise noted.)       Indicators for Problematic         Histos (A1)       Sandy Redox (S5)       1 cm Muck (A9) (LRR O         Histic Epipedon (A2)       Stripped Matrix (S6)       2 cm Muck (A10) (LRR         Black Histic (A3)       Loamy Mucky Mineral (F1)       Reduced Vertic (F18)         Hydrogen Sufide (A4)       Loamy Gleyed Matrix (F2)       Red Parent Material (T1         Stratified Layers (A5) (LRR C)       X Depleted Matrix (F3)       Other (Explain in Remain 1 remains (F1))         1 cm Muck (A9) (LRR D)       Redox Dark Surface (F6)       Other (Explain in Remains (F8))         Sandy Mucky Mineral (S1)       Vernal Pools (F9) <sup>9</sup> Indicators of hydrophytic vernal Pools (F9)         Sandy Gleyed Matrix (S4)       wetland hydrology must 1         verticitive Layer (if present):       Ype:         Depth (inches):       Muck (A1)       Satt Crust (B11)         straticators (any one indicator is sufficient)       Water Marks (B1)         Surface Water (A1)       Satt Crust (B11)       Sediment Deposits (B3)         Saturation (A3)       Aquatic Invertebrates (B13)       Drainage Paterns)         Saturation (A3)       Aquatic Invertebrates (B13)       Drainage Paterns) <td></td>	
Indicators:       (Applicable to all LRRs, unless otherwise noted.)       Indicators for Problematic         Histosol (A1)       Sandy Redox (S5)       1 cm Muck (A9) (LRR O         Histosol (A2)       Stripped Matrix (S6)       2 cm Muck (A10) (LRR         Biack Histic (A3)       Loamy Mucky Mineral (F1)       Reduced Vertic (F18)         Histosol (A4)       Loamy Gleyed Matrix (F2)       Red Parent Material (TF         Stratified Layers (A5) (LRR C)       Y Depleted Matrix (F3)       Other (Explain in Remainant and the construction of the constructi	
Histosol (A1)	1.1.2.2.1.3
Histic Epipedon (A2)       Stripped Matrix (S6)       2 cm Muck (A10) (LRR         Black Histic (A3)       Loamy Mucky Mineral (F1)       Reduced Vertic (F18)         Hydrogen Sulfide (A4)       Loamy Gléyed Matrix (F2)       Red Parent Material (TF         Stratified Layers (A5) (LRR C)       Y Depleted Matrix (F3)       Other (Explain in Rema         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)       ************************************	
Black Histic (A3)       Loamy Mucky Mineral (F1)       Reduced Vertic (F18)         Hydrogen Sulfide (A4)       Loamy Gléyed Matrix (F2)       Red Parent Material (TF         Stratified Layers (A5) (LRR C)       Depleted Matrix (F3)       Other (Explain in Remain 1000)         1 cm Muck (A9) (LRR D)       Redox Dark Surface (F6)       Other (Explain in Remain 1000)         2 bepleted Below Dark Surface (A11)       Depleted Dark Surface (F7)       Thick Dark Surface (A12)         Sandy Mucky Mineral (S1)       Vernal Pools (F9) <sup>3</sup> Indicators of hydrophytic versions (F8)         Sandy Gleyed Matrix (S4)       wetland hydrology must 1         estrictive Layer (if present):       Type:         Type:       Hydric Soil Present?         Pepth (inches):       Hydric Soil Present?         emarks:       Salt Crust (B11)       Secondary Indicators (B1)         Surface Water (A1)       Salt Crust (B12)       Drift Deposits (B3)         Saturation (A3)       Aquatic Invertebrates (B13)       Drinage Patterns         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)       Dry-Season Water         Sediment Deposits (B3) (Nonriverine)       Oxidized Rhizospheres along Living Roots (C3)       Thin Muck Surface         Ordine Marks (B6)       Presence of Reduced Iron (C4)       Crayfish Burrows (Cayfish Burrows (Cayfish Burrows (Cayfish Burows (Cayf	
Hydrogen Sulfide (A4)       Loamy Gléved Matrix (F2)       Red Parent Material (TF         Stratified Layers (A5) (LRR C)       Depleted Matrix (F3)       Other (Explain in Remain 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) <sup>3</sup> Indicators of hydrophytic verwetland hydrology must lestrictive Layer (if present):         Type:	5)
Stratified Layers (A5) (LRR C)               Depleted Matrix (F3)            Other (Explain in Remain and the construction of the constructi	2)
1 cm Muck (A9) (LRR D)       Redox Dark Surface (F6)         2 Depleted Below Dark Surface (A11)       Depleted Dark Surface (F7)	ks)
Sandy Mucky Mineral (S1)Vernal Pools (F9) <sup>3</sup> Indicators of hydrophytic verwetland hydrology must I estrictive Layer (if present): 	
	netation and
estrictive Layer (if present):         Type:         Depth (inches):         marks:         /DROLOGY         /etland Hydrology Indicators:         rimary Indicators (any one indicator is sufficient)	T
Type:       Hydric Soil Present?       Yes         Depth (inches):       Hydric Soil Present?       Yes         emarks:       Present?       Yes         Portion of the system       Secondary Indicators?       Water Marks (B1)	
Depth (inches):       Hydric Soil Present?       Yes         emarks:       for an and the secondary Indicators:       Secondary Indicators (and the secon	
Propertion       Secondary Indicators:         Interpretion       Secondary Indicators (any one indicator is sufficient)	X No
YDROLOGY       Secondary Indicators:       Secondary Indicators ( 	
rimary Indicators (any one indicator is sufficient)	· · · · · · · · · · · · · · · · · · ·
Construction Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)       Crayfish Burrows (         Surface Soil Cracks (B6)       Recent Iron Reduction in Plowed Soils (C6)       Saturation Visible	
Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Saturation Visible	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (	
Water-Stained Leaves (B9) FAC-Neutral Test	D5)
ield Observations:	
urface Water Present? Yes No X Depth (inches):	
Vater Table Present? Yes No Depth (inches):	N/
aturation Present? Yes No Depth (inches): Wetland Hydrology Present? Ye	<u>X</u> No
escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
lemarks:	

## W-I

#### WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: CONINSVINC	City/County: SOLGOD	county .	Sampling Date: 5-7-24
Applicant/Owner: LS Power	3		Sampling Point: SP-5
Investigator(s): Karen Buch, Victoria Yerremenkava	Section, Township, Range	E: SOO T3N	RIE
Landform (hillslope, terrace, etc.): <u>FootStoPec</u>	Local relief (concave, cor	nvex, none):	+ 510Pe_ Slope (%):
Subregion (LRR): LRR Lat:	38.0746872 1	ong:121.83.05	195 Datum: NAD 83
Soil Map Unit Name: Vardez Silty day loam, strong	14 Saline, 0102% ML	RA 16 NWI classifie	cation: <u>N/A</u>
Are climatic / hydrologic conditions on the site typical for this time of	of year? Yes X No	(If no, explain in F	Remarks.)
Are Vegetation, Soil, or Hydrology significa	intly disturbed? Are "No	ormal Circumstances"	present? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology naturall	y problematic? (If need	led, explain any answe	ers in Remarks.)

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>X</u> No <u></u> Yes <u>X</u> No <u></u> Yes <u></u> No <u>X</u>	Is the Sampled Area within a Wetland?	Yes	No
Remarks:				

#### VEGETATION

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3.				Species Across All Strata: (B)
4.				Percent of Dominant Species
Total Cover:	D			That Are OBL, FACW, or FAC:(A/B)
Sapling/Shrub Stratum		1	<i>c</i>	
1. Public examinicus	05	1	FAC	Prevalence Index worksheet:
2. 2050 Californica	70	X	FAC	Total % Cover of:Multiply by:
3.		/		OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Total Cover:	95			FACU species x 4 =
Herb Stratum		~/	UPL	UPL species x 5 =
1. Cardus Pychoaphalus	2	1		Column Totals: (A) (B)
2. Canium macalentism	15	<u> </u>	FACW	
3. Markubjan Valgure		N	FACU	Prevalence Index = B/A =
4.		/		Hydrophytic Vegetation Indicators:
5				$\underline{\times}$ Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
				Morphological Adaptations <sup>1</sup> (Provide supporting
7		-		data in Remarks or on a separate sneet)
8 Total Cover:	7.7		-	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum				
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1	-			be present.
2 Total Cover	0			Hydrophytic
-			0	Vegetation Present? Yes No
% Bare Ground in Herb Stratum % Cover	of Biotic C	rust	<u> </u>	Present? Yes <u>No</u>
Remarks:				

w-

SOIL								Sampling Point:	5
Profile Des	cription: (Describe t	o the dept	h needed to docum	nent the i	ndicator	or confirm	n the absence	e of indicators.)	
Depth	Matrix	0/		x Features	S Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
(inches)	Color (moist)		Color (moist)	%	Type	LUC	Texture	Remarks	
0-12	104/2 2/1	95	57R 4/6	5	C	PL	SICL	Relay firmenent	
12-16	10/10_ 4/3	98	7.5 YR 4/0	2		M	sic		
	oncentration, D=Deple Indicators: (Applica					e Lining, F	RC=Root Char	nnel, M=Matrix. s for Problematic Hydric Soils <sup>3</sup> :	
Black H Hydroge Stratifier 1 cm Mu Deplete Thick Da Sandy M	I (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) (LRR C uck (A9) (LRR D) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4)		Sandy Redo Stripped Ma Loamy Muc Depleted M ↓ Redox Dark Depleted Dark Redox Depleted Dark Redox Depleted Dark Vernal Pool	atrix (S6) ky Mineral ved Matrix atrix (F3) c Surface ( ark Surface ressions (F	(F2) F6) e (F7)		2 cm Redu Red F Other <sup>3</sup> Indicators	Muck (A9) (LRR C) Muck (A10) (LRR B) ced Vertic (F18) Parent Material (TF2) • (Explain in Remarks) s of hydrophytic vegetation and d hydrology must be present.	
Restrictive Type: Depth (in			_				Hydric Soi	il Present? Yes X No	
YDROLO	GY								
Vetland Hy	drology Indicators:						Seco	ondary Indicators (2 or more requir	ed)
Primary India Surface High Wa Saturatia Water M Sedimer Drift Dep Surface Inundatia Water-S	Cators (any one indica Water (A1) ther Table (A2) on (A3) larks (B1) (Nonriverin th Deposits (B2) (Non- bosits (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial In- tained Leaves (B9)	ie) riverine) ne)	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence o Recent Iro	et (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reduction	dor (C1) res along d Iron (C4 on in Plov	4)	ots (C3) (C6)	Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Image Shallow Aquitard (D3) FAC-Neutral Test (D5)	
	er Present? Ye Present? Ye		o X Depth (ind o X Depth (ind	ches): ches):		Wet		gy Present? Yes No	X

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region
Project/Site: Collins Ville City/County: Soland County Sampling Date: 5/7/24
Applicant/Owner: LS Power State: CA Sampling Point: SP-6
Investigator(s): Karn Bach Victoria Ychimmian Section, Township, Range: SOU TON RIE
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): 400500 PC Slope (%):
Subregion (LRR): LIZIZ Lat: 38.0744036 Long: -121.8307010 Datum: NAD 8
Soil Map Unit Name: Judez Sit 10000, drained 0.1021. STORES, MLRA 16 NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes 📈 No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 📈 No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc
Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Area         Hydric Soil Present?       Yes       No       within a Wetland?       Yes       No

Remarks:

Wetland Hydrology Present?

Yes X

No\_

	<u>% Cover</u>		<u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant
ppling/Shrub Stratum Y ≈ 15 <sup>1</sup> Total Cover:	_			Total Number of Dominant
apling/Shrub Stratum $\gamma = 15'$	ð			Species Across All Strata: (B)
				Percent of Dominant Species (A/B) That Are OBL, FACW, or FAC:
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
				OBL species70 $x1 = 70$ FACW species $(2 x2 = 24)$
				FAC species 10 x 3 = 30
Total Cover:	0			FACU species x 4 =
rb Stratum (=5)	S. 10			UPL species O x 5 = O
Salicornia Pacifica	70	Y	OBL	Column Totals: <u>92</u> (A) <u>134</u> (B)
Frankenia salina	10	N	FACW	
Atriplex prostrata	2	_W	FACW	Prevalence Index = B/A =6
Distichiis spicata	5	N	FAC	Hydrophytic Vegetation Indicators:
Lepidium lationium	3	N	FAC	X Dominance Test is >50%
Festuca perfenis	1	N	FAC	Prevalence Index is ≤3.0 <sup>1</sup>
Hordeum Marinum	1	N	FAC	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Total Cover:	92			—
body Vine Stratum (= 15 <sup>1</sup>				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
				Hydrophytic
Total Cover: Bare Ground in Herb Stratum % Cover of		ustC	>	Vegetation Present? Yes <u>×</u> No
marks:				

.

#### SOIL

Sampling Point: SP-6

Depth	Matrix	o trie dep		Feature		or confirm	the absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0-4	10 YP 2/1	99	7.5YR 3/4	_1	_C_	M	SICLLO
4-15	54 4/1	90	7.540 3/4	10		M	SICK
				<u></u> Y			•
	<u> </u>						
<sup>1</sup> Type: C=Co	oncentration, D=Deple	tion, RM=	Reduced Matrix.	<sup>2</sup> Location	n: PL=Pore	Lining, R	RC=Root Channel, M=Matrix.
Hydric Soil I	ndicators: (Applica	ble to all	LRRs, unless other	wise not	ed.)		Indicators for Problematic Hydric Soils':
Histosol	(A1)		Sandy Redo				1 cm Muck (A9) (LRR C)
Histic Ep	oipedon (A2)		Stripped Ma				2 cm Muck (A10) (LRR B)
Black His			Loamy Much				Reduced Vertic (F18) Red Parent Material (TF2)
	n Sulfide (A4)		Loamy Gley		(F2)		Other (Explain in Remarks)
	Layers (A5) (LRR C)		X Depleted Ma		(E6)		
	ck (A9) (LRR D)	10.4.45	Redox Dark Depleted Da				
	Below Dark Surface	(A11)	Redox Depr				
	rk Surface (A12)		Vernal Pools		,		<sup>3</sup> Indicators of hydrophytic vegetation and
	ucky Mineral (S1)		venial Fools	,(1 0)			wetland hydrology must be present.
	leyed Matrix (S4) .ayer (if present):						
	ayer (in present).						
	:hes):						Hydric Soil Present? Yes $\chi$ No
Remarks:							
YDROLOG							Secondary Indicators (2 or more required)
Wetland Hyd	Irology Indicators:						Water Marks (B1) (Riverine)
Primary Indic	ators (any one indica	tor is suff	cient)	(D11)			Sediment Deposits (B2) (Riverine)
	Water (A1)		X Salt Crust				Drift Deposits (B3) (Riverine)
	ter Table (A2)		Biotic Crus	t (BIZ)	(P13)		Drainage Patterns (B10)
Saturatio			Aquatic Inv		dor (C1)		Dry-Season Water Table (C2)
Water Ma	arks (B1) (Nonriverir	ie)	Hydrogen S	Sulfide O		living Roc	
Sedimen	t Deposits (B2) (Non	riverine)	Oxidized R	hizosphe	eres along t	N N N N N N N N N N N N N N N N N N N	Cravfish Burrows (C8)
Drift Den	osits (B3) (Nonriveri	ne)	Presence of	of Reduce	ed Iron (C4	) ad Soile (I	
V Curtage	Soil Cracks (B6)		Recent Iron	1 Reduct	ion in Plow	ed Solis (	Shallow Aquitard (D3)
Surface C	on Visible on Aerial Im	agery (B	7) Other (Exp	lain in Re	emarks)		FAC-Neutral Test (D5)
Inundatio	ained Leaves (B9)						
	ained Leaves (B9)						
Field Observ			No X Depth (inc	hes):		-	
Surface Wate			No X Depth (inc	hes):	_	_	No
Water Table F		s	Depth (inc	hes):	_	Wet	land Hydrology Present? Yes <u> </u>
Saturation Pre	esent? Ye	s	No X Depth (inc				
(includes capi	illary fringe) orded Data (stream g	auge mo	nitoring well, aerial p	hotos, p	revious ins	pections),	, IT available.
Describe Rec	corded Data (stream s	augo, mo					
Remarks:							
							Arid West - Version 11-1-20

				o County		
nestigator(s): <u>Karen Bach</u> , Victoria Yetr Indform (hillslope, terrace, etc.): <u>10030086</u> bregion (LRR): <u>LRRC</u>	emonuous s					NP - 7
ndform (hillslope, terrace, etc.): <u>10にいのそ</u> bregion (LRR): <u>LR</u> RC	EN IGINGON :	anting To	unable Dan	State:	R14	/
bregion (LRR): LRRC						
Wap Unit Name. JUIULE SILL LOAM AFT						
	/	1				
e climatic / hydrologic conditions on the site typical for						×
Vegetation, Soil, or Hydrology				Normal Circumstances"		No
Vegetation, Soil, or Hydrology				eded, explain any answ	1	
IMMARY OF FINDINGS – Attach site ma	ap showing	samplin	g point lo	cations, transect	s, important	features, et
ydrophytic Vegetation Present? Yes	No					
	No		e Sampled			-
Vetland Hydrology Present? Yes		with	in a Wetlan	d? Yes	No	<u>`</u>
emarks:						
GETATION						
ee Stratum (Use scientific names.) (= 30	Absolute		Indicator	Dominance Test wo		
	% Cover		Status	Number of Dominant That Are OBL, FACV		2 (A
				That Ale Obl, FACE	v, or i Ao	(/
				Total Number of Dor Species Across All S		2 (8
		_		Species Across Air C		(E
Total Cu	over: O			Percent of Dominant That Are OBL, FAC		100 (4
pling/Shrub Stratum F=15				That Ale OBL, FAC	N, OI FAC.	100 (A
				Prevalence Index v		
				Total % Cover of	-	ultiply by:
				OBL species		
				FACW species	100	
				FAC species	100 x 3=	0.1
Total Co	over:			FACU species	<u> </u>	-
b Stratum (= 5	25	V	CAC	UPL species	<u> </u>	
Distichis spicata	10	N	FAC	Column Totals:	112 (A)	342
festuca perrenis	50		FAC	Prevalence In	dex = B/A =	2.05
Lotus corniculatus	2	-1	FACU	Hydrophytic Vege		
Bromus hordeaceus			FACW	Dominance Te		5.
Frankenia salina	2		FACU	Prevalence Inc		
Hordesm Marinem	- 15		-		Adaptations <sup>1</sup> (Pr	ovide supporti
	- 5		FAC	data in Ren	narks or on a sep	parate sheet)
Hadron morinom			FACU	Problematic H		
ody Vine Stratum C=15 <sup>1</sup> Total Co	over: 112					
Juy ville Stratuini (STS				<sup>1</sup> Indicators of hydri	c soil and wetlan	d hydrology m
				be present.		,
				And the second second		

Remarks:

3

					or comm	n the absenc	
Depth <u>Matr</u> (inches) Color (moist		Color (moist)	ox Feature %	es Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0.5" organic matte	<						
0-7 2.57 4/1	98	7.54F4/6	2	С	m/PL	SiCI	redex prominent
7-15 104 F 4/3	99	7,546 4/6	1	С	M	Sic	
ydric Soil Indicators: (App _ Histosol (A1)		I LRRs, unless other Sandy Redo	wise note ox (S5)		e Lining, R	Indicator: 1 cm	nnel, M=Matrix. s for Problematic Hydric Soils <sup>3</sup> : Muck (A9) (LRR C) Muck (A10) (LRR B)
ydric Soil Indicators: (App 	licable to al R C) ace (A11)	I LRRs, unless other	wise note bx (S5) trix (S6) ky Mineral ed Matrix atrix (E3) Surface ( ark Surface essions (F	ed.) I (F1) (F2) F6) e (F7)	e Lining, R	Indicators	s for Problematic Hydric Soils <sup>3</sup> :
ydric Soil Indicators: (App Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR 1 cm Muck (A9) (LRR D) Depleted Below Dark Surfa Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) strictive Layer (if present):	licable to al R C) ace (A11)	I LRRs, unless other Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da Redox Depre	wise note bx (S5) trix (S6) ky Mineral ed Matrix atrix (E3) Surface ( ark Surface essions (F	ed.) I (F1) (F2) F6) e (F7)	e Lining, R	Indicators	s for Problematic Hydric Soils <sup>3</sup> : Muck (A9) (LRR C) Muck (A10) (LRR B) ced Vertic (F18) Parent Material (TF2) (Explain in Remarks)
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR 1 cm Muck (A9) (LRR D) Depleted Below Dark Surfa Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	licable to al R C) ace (A11)	I LRRs, unless other Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da Redox Depre	wise note bx (S5) trix (S6) ky Mineral ed Matrix atrix (E3) Surface ( ark Surface essions (F	ed.) I (F1) (F2) F6) e (F7)	e Lining, R	Indicators	s for Problematic Hydric Soils <sup>3</sup> : Muck (A9) (LRR C) Muck (A10) (LRR B) ced Vertic (F18) Parent Material (TF2) (Explain in Remarks)

#### HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient	ent)	Water Marks (B1) (Riverine)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> <li>Sediment Deposits (B2) (Nonriverine)</li> <li>Drift Deposits (B3) (Nonriverine)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B7)</li> <li>Water-Stained Leaves (B9)</li> </ul>	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Plowed Soi</li> <li>Other (Explain in Remarks)</li> </ul>	Crayfish Burrows (C8)
Field Observations:         Surface Water Present?       Yes No         Water Table Present?       Yes No         Saturation Present?       Yes No	Depth (inches):	Vetland Hydrology Present? Yes No X
includes capillary fringe)		venand hydrology Present? Tes No
Describe Recorded Data (stream gauge, monito	pring well, aerial photos, previous inspection	ns), if available:
emarks:		

### WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site:	City/County: Salono	Conty	Sampling Date: 5 - 7 - 24
Applicant/Owner: LS Percer		State:	Sampling Point: Sp - 8
Investigator(s): Huran Bach, Victoria Yehrminhalla	Section, Township, Range	E: SØØ T3N	RIE
Landform (hillslope, terrace, etc.): 1001000	Local relief (concave, cor	nvex, none): fiat	Slope (%):
Subregion (LRR): LRRC Lat: 32	1.0723654 L	ong: -121.8283	719 Datum:
Soil Map Unit Name: Vardez sitty clay loum, strongly se	NINE, 0102"., ML	RA 16 NWI classific	ation: N/A
Are climatic / hydrologic conditions on the site typical for this time of ye	ar? Yes <u>K</u> No	(If no, explain in R	emarks.)
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "No	ormal Circumstances" p	present? Yes No
Are Vegetation, Soil, or Hydrology naturally pro	oblematic? (If need	ded, explain any answe	ers in Remarks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland?	Yes No
Remarks:			

#### VEGETATION

The Olympic difference in the second	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Use scientific names.) $\gamma = \zeta 0$ 1.		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				
Sapling/Shrub Stratum $\gamma = 15$ Total Cover:	0			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species $3x_1 = 5$
4				FACW species 8 x 2 = 10
5				FAC species 92 x 3 = 276
/ Total Cover:	0			FACU species x4 =
Herb Stratum V = 5				UPL species x5 = 0
1. Distuchtic spillion	90	4	FAL	Column Totals: $105$ (A) $291$ (B)
2. Frontenic Saline	F.	Ń	FACW	(A) = (A) = (B)
3. Poly Pouron monspeliesis		N	FACW	Prevalence Index = $B/A = 2.77$
4. punce clisters	2	N	Enc	Hydrophytic Vegetation Indicators:
5. Schomoflectin acutus		N	OBL	X Dominance Test is >50%
6. Attablet frostrate		N	FACIN	Y Prevalence Index is ≤3.0 <sup>1</sup>
7. Salicornia Pucision				Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
Woody Vine Stratum Y = 15 Total Cover:	105			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1		(		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cover:			-	Hydrophytic Vegetation
	of Biotic C	rust	0	Present? Yes V No
Remarks:				

	cription: (Describe	to the dept		dox Features		commune	e absence		515.)		
Depth (inches)	Color (moist)	%	Color (moist)	<u> </u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Rema	rks	
											_
0-2	101/R 2/2	100				<u>s</u>	ILLL	0			
2 - 16	54 4/1	45	7.5412 3/	4 5	C.M	Indec	CT/				-
1/ 1/0	51 41		10/10 1	+		4 14 7	-				
								Sar			
	oncentration, D=Depl					Lining, RC=					
	Indicators: (Applica	able to all L			ed.)					ydric Soils <sup>3</sup> :	
Histosol			Sandy Re					Muck (A9)			
Black Hi	bipedon (A2) stic (A3)			Matrix (S6) lucky Minera	1/51)			Muck (A1) uced Vertic		)	
	n Sulfide (A4)			leyed Matrix				Parent Ma		<b>\</b>	
	Layers (A5) (LRR C	;)	V Depleted		(12)			r (Explain			
	ck (A9) (LRR D)			ark Surface	(F6)			. (=		5)	
	Below Dark Surface	e (A11)		Dark Surfac							
	rk Surface (A12)		Redox D	epressions (	F8)						
-	ucky Mineral (S1)		Vernal P	ools (F9)			<sup>3</sup> Indicato	rs of hydro	phytic veg	etation and	
	leyed Matrix (S4)						wetla	nd hydrolo	gy must be	e present.	
	ayer (if present):										
Type:	/ 0 /										
Depth (inc	hee).								12 V	V N	
							Hydric S	oll Presen	tr res	<u>_X No</u>	<u> </u>
emarks:							Hydric S	oll Presen	tr res	<u> </u>	
emarks: /DROLO( /etland Hyd	GY Irology Indicators:									No	
emarks: /DROLO( /etland Hyd	GY Irology Indicators: ators (any one indic	ator is suffi	and the second second					condary Ir	dicators (		
emarks: DROLO( /etland Hyd rimary Indic Surface \	GY Irology Indicators: ators (any one indicators) Water (A1)	ator is suffic	Salt Cr					condary Ir	idicators ( arks (B1)	2 or more rec	uired)
emarks: <b>DROLOG</b> etland Hyd imary Indic _ Surface N _ High Wat	GY Irology Indicators: ators (any one indic Nater (A1) ter Table (A2)	ator is suffi	Salt Cr	Crust (B12)				<u>condary Ir</u> _ Water M _ Sedimen	idicators ( arks (B1) at Depositi	2 or more rec (Riverine)	uired)
<b>DROLOO detland Hyd</b> imary Indica         Surface N         High Watt         Saturatio	GY Irology Indicators: ators (any one indicators) Water (A1) ter Table (A2) n (A3)		Salt Cr Biotic C Aquati	Crust (B12) c Invertebrat				condary Ir _ Water M _ Sedimer _ Drift De	idicators ( arks (B1) at Depositi	2 or more rec (Riverine) s (B2) (River ) (Riverine)	uired)
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/DROLOG /etland Hyd rimary Indic: Surface \ High Wat { Saturatio Water Ma Sedimen Drift Dep	GY Irology Indicators: ators (any one indicators) Water (A1) ter Table (A2) n (A3) arks (B1) (Nonriveri t Deposits (B2) (Nor osits (B3) (Nonriver	ne) nriverine)	Salt Cr Biotic C Aquatio Hydrog Oxidize Preser	Crust (B12) c Invertebrat gen Sulfide C ed Rhizosph nce of Reduc	Odor (C1) eres along ced Iron (C	(4)	<u>Se</u>   ts (C3)	<u>condary Ir</u> Water M Sedimer Drift Der Drainag Dry-Sea Thin Mu	adicators ( arks (B1) at Deposits posits (B3) e Patterns son Wate	2 or more rec (Riverine) s (B2) (Riverine) (Riverine) (B10) r Table (C2) e (C7)	uired)
Provide a section of the section of	GY Irology Indicators: ators (any one indicators) Water (A1) ter Table (A2) n (A3) arks (B1) (Nonriveri t Deposits (B2) (Nor osits (B3) (Nonriver Soil Cracks (B6)	ne) nriverine) rine)	Salt Cr Biotic C Aquatio Hydrog Oxidizo Preser Recen	Crust (B12) c Invertebrati gen Sulfide C ed Rhizosph ince of Reduct t Iron Reduc	Odor (C1) eres along ced Iron (C tion in Plo	(4)	<u>Se</u>   ts (C3)	condary Ir Water M Sedimer Drift De Drainag Dry-Sea Thin Mu Crayfish	adicators () arks (B1) nt Deposit: posits (B3) e Patterns ason Wate ack Surfac n Burrows	2 or more red (Riverine) s (B2) (Riveri ) (Riverine) s (B10) r Table (C2) e (C7) (C8)	uired)
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emarks: (DROLOO retland Hyd imary Indic: Surface V High Wat Saturatio Water Ma Sediment Surface S Inundatio Water-Sti eld Observ urface Water ater Table F aturation Pre- cludes capi ascribe Rec	GY Irology Indicators: ators (any one indicators: ators (any one indicators: Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriveri t Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) in Visible on Aerial In ained Leaves (B9) rations: r Present? Present? Ye esent? Ye esent? Ye esent? Ye	ne) nriverine) magery (B7 es f es f es f	Salt Cr Biotic ( Aquation Hydrog Oxidiza Preser Recent 7) Other ( No Depth No Depth No Depth	Crust (B12) c Invertebrat gen Sulfide C ed Rhizosph- nce of Reduc t Iron Reduc (Explain in R (inches): (inches): (inches):	Odor (C1) eres along ced Iron (C tition in Plo Remarks)	:4) wed Soils (C	 ts (C3) C6) and Hydr	Condary Ir Water M Sedimer Drift De Drainag Dry-Sea Thin Mu Crayfish Saturat Shallow FAC-No	adicators ( arks (B1) at Deposits posits (B3) e Patterns son Wate ack Surfac b Burrows on Visible v Aquitard eutral Tes	2 or more rec (Riverine) s (B2) (Riverine) s (B10) r Table (C2) e (C7) (C8) o on Aerial Im (D3) t (D5)	uired) ine) agery (C

				Arid West Region
Project/Site: <u>Collinsville</u>		City/County:	Sola	Sampling Date: 5-7-24
Applicant/Owner: LS Power				State: CA Sampling Point: SP-1
Investigator(s): Karen Bach, Victoria Yetremon				
Landform (hillslope, terrace, etc.): bot tom ind		Local relief	(concave, c	onvex, none): Slope (%):
Subregion (LRR): LLRC				
Soil Map Unit Name: Vardez SIH 100M, drama				
Are climatic / hydrologic conditions on the site typical for this			1	
Are Vegetation, Soil, or Hydrology si				Normal Circumstances" present? Yes 📈 No
Are Vegetation, Soil, or Hydrology na				eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s			g point lo	ocations, transects, important features, etc.
Hydric Soil Present? Yes No	9 9		e Sampled in a Wetlan	$\checkmark$
EGETATION				
<u>Tree Stratum</u> (Use scientific names.) $r = 3 \sigma'$		Dominant Species?		Dominance Test worksheet:
				Number of Dominant Species (A)
2				
L				Total Number of Dominant Species Across All Strata: (B)
Total Cover:	0			Percent of Dominant Species That Are OBL, FACW, or FAC:OO (A/B
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
1				OBL species X1 = 17
				FACW species $26 \times 2 = 52$
``	1	-		FAC species x 3 =
Total Cover:	0			FACU species O x 4 = O
erb Stratum V=5				UPL species O x 5 = O
Salicomia pacifica	10	_¥_	OBL	Column Totals: <u>44</u> (A) <u>72</u> (I
Frankenia salina	15	_Y_	FACW	Prevalence Index = $B/A = 1.63$
(Otula coronoporolia	5	N	OBL	
Specialize maring	2	N	OBL	Hydrophytic Vegetation Indicators:
Atriplex prostrata		N	TACW	Dominance Test is >50%
Hordeum marinum	1	N	FAC.	_X Prevalence Index is ≤3.0 <sup>1</sup>
polypogen monspeliensis	10	1	FACW	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
Total Cover:	44			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
ody Vine Stratum (= 15 <sup>1</sup> Total Cover:				<sup>1</sup> Indicators of hydric soil and wetland hydrology mu be present.
				and the second
Total Cover:	1			Hydrophytic

SOIL					Sampling Point:
Profile Description: (Describe to the de	epth needed to document the	indicator	or confirm	the absenc	
Depth Matrix	Redox Featur			1.1	
(inches) Color (moist) %	Color (moist) %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-8 1042 4/2 80	51-1/6 20	C	M/PL	5: 41	Salt lavo present
8-14 2:5/4/1 75	7,54R4/6 25	С	MIPL	Sicl	Saltlayers present
14-16 10412 3/1 85	104R 2/4 15	С	MIPL	Sicl	Saittlayers present
<sup>1</sup> Type: C=Concentration, D=Depletion, R			e Lining, R		nnel, M=Matrix.
Hydric Soil Indicators: (Applicable to a	II LRRs, unless otherwise no	oted.)		Indicator	rs for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)				Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6	the local sector of the lo		the second se	Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mine				uced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Mat				Parent Material (TF2)
Stratified Layers (A5) (LRR C)	X Depleted Matrix (F3			Othe	r (Explain in Remarks)
1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11)	Redox Dark Surface	ace (F7)			
Thick Dark Surface (A12)	Redox Depressions	(F8)			
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Vernal Pools (F9)				s of hydrophytic vegetation and nd hydrology must be present.
Restrictive Layer (if present):					
Type: Depth (inches):				Hydric So	il Present? Yes 📈 No
Remarks:				-	
IYDROLOGY					

Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficien	nt)	Water Marks (B1) (Riverine)
Surface Water (A1)     High Water Table (A2)     Saturation (A3)     Water Marks (B1) (Nonriverine)     Sediment Deposits (B2) (Nonriverine)     Drift Deposits (B3) (Nonriverine)     Surface Soil Cracks (B6)     Inundation Visible on Aerial Imagery (B7)	<ul> <li>_∑ Salt Crust (B11)</li> <li> Biotic Crust (B12)</li> <li> Aquatic Invertebrates (B13)</li> <li> Hydrogen Sulfide Odor (C1)</li> </ul>	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>g Roots (C3)</li> <li>Thin Muck Surface (C7)</li> <li>Crayfish Burrows (C8)</li> </ul>
Water-Stained Leaves (B9)		FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No	C Depth (inches):	
	Y Depth (inches):	./
Saturation Present? Yes No (includes capillary fringe)	X Depth (inches):	Wetland Hydrology Present? Yes <u>X</u> No
Describe Recorded Data (stream gauge, monito	oring well, aerial photos, previous inspect	ions), if available:
Remarks:		

## W-2

#### WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: Collins V: 12	City/County: Salono Carn	Samplin	g Date:
Applicant/Owner: LS Parce	Sta	te: Samplin	g Point: <u>SP-2</u>
Investigator(s): Meren Buch, Versin Jehoner Me	Section, Township, Range: Sp	Ø T3N RIC	6
Landform (hillslope, terrace, etc.): +0.0510Pe	Local relief (concave, convex, no	one): flat	Slope (%):
	8.073773 Long: -		
Soil Map Unit Name: Valdez Sit loom, drained, o to			
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes <u>X</u> No (If	no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal C	rcumstances" present?	Yes No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, exp	lain any answers in Rem	narks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>X</u> No Yes <u>No</u> Yes <u>No</u>	Is the Sampled Area       within a Wetland?	Yes	NoX
Remarks:				

#### VEGETATION

<u>Tree Stratum</u> (Use scientific names.) $f=30^{1}$ 1		Dominant Species?	Status	Dominance Test worksheet:           Number of Dominant Species           That Are OBL, FACW, or FAC:
23				Total Number of Dominant Species Across All Strata: (B)
4		-1		
Sapling/Shrub Stratum (	0			Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species $3 \times 2 = 6$
5				FAC species93 x3=279
Total Cover	0			FACU species x4 =60
Herb Stratum 17= 5		./		UPL species X 5 =
1. Festuca perfenis		_¥	FAC	Column Totals:(I) (A) 345 (B)
2. Hordeum Marinum		N	FAC	
3. Frankinia Salinu		N	FACW	Prevalence Index = B/A =
4. Horoeun murinum	15	N	FACU	Hydrophytic Vegetation Indicators:
5. Distichis spicator	3	N	FAC	Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
Woody Vine Stratum C=15 <sup>1</sup> Total Cover:	_111			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cover:	0			Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	ustO		Present? Yes No
Remarks:				

SOIL							f	Sampling Point: 51-2	
Profile Dese	cription: (Describe	to the dep	th needed to docum	nent the i	ndicator	or confirm	the absence of		
Depth	Matrix			x Features					
(inches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks	
0-1.5	10412 2/1	100					SICLLO	1	
1.5-11	10 412 3/2	98	10 /12 3/4	2	6	M	SILL		
11-15	10412 7/1	85	7.5YR 3/3	15	C	M	SICL		
<sup>1</sup> Type: C=C Hydric Soil	Indicators: (Applic	pletion, RM cable to all	Reduced Matrix.	rwise not	n: PL=Po ed.)	re Lining, F	Indicators fo	r Problematic Hydric Soils <sup>3</sup> :	
	pipedon (A2)		Sandy Red Stripped Ma					ck (A9) (LRR C) ck (A10) (LRR B)	
	istic (A3)		Loamy Muc		(F1)			Vertic (F18)	
	en Sulfide (A4)		Loamy Gley					ent Material (TF2)	
	d Layers (A5) (LRR	C)	Depleted M		· · · /			plain in Remarks)	
	uck (A9) (LRR D)		Redox Dark						
	d Below Dark Surfac	ce (A11)	Depleted D						
	ark Surface (A12)		Redox Dep		(F8)				
	Mucky Mineral (S1)		Vernal Poo	ls (F9)			<sup>3</sup> Indicators of hydrophytic vegetation and		
	Gleyed Matrix (S4) Layer (if present):						wetland h	drology must be present.	
Type:								X	
Denth /	also also							resent? Yes No /	
	ches):						Hydric Soil P		
	ches):						Hydric Soli P		
Remarks:	DGY		_	λ.					
Remarks: IYDROLO Wetland Hy	OGY drology Indicators	6:		\ 				ary Indicators (2 or more required	
Remarks: IYDROLO Wetland Hy	DGY	6:	ficient)				Second		
Remarks: YDROLO Wetland Hy Primary Indi	OGY drology Indicators	6:	ficient)	t (B11)			<u>Second</u>	ary Indicators (2 or more required	
Remarks: YDROLO Wetland Hy Primary Indi Surface High W:	IGY drology Indicators cators (any one indi Water (A1) ater Table (A2)	6:					<u>Second</u> Wa Se	ary Indicators (2 or more required ter Marks (B1) (Riverine)	
Remarks: YDROLO Wetland Hy Primary Indi Surface	IGY drology Indicators cators (any one indi Water (A1) ater Table (A2)	6:	Salt Crus	ist (B12)	es (B13)		<u>Second</u> Wa Se Dri	ary Indicators (2 or more required ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine)	
Primary Indi Surface Surface Surface Saturati	IGY drology Indicators cators (any one indi Water (A1) ater Table (A2)	s: icator is suff	Salt Crus Biotic Cru	ist (B12) nvertebrat			<u>Second</u> Wa Se Dri Dri	<u>ary Indicators (2 or more required</u> ter Marks (B1) ( <b>Riverine</b> ) diment Deposits (B2) ( <b>Riverine</b> ) ft Deposits (B3) ( <b>Riverine</b> )	
Remarks: YDROLO Wetland Hy Primary Indi Saurface High Wa Saturati Water M	OGY drology Indicators cators (any one indi Water (A1) ater Table (A2) ion (A3)	s: icator is suff	Salt Crus Biotic Cru Aquatic Ir Hydrogen	ust (B12) nvertebrat n Sulfide C	Odor (C1)	g Living R	Second Wa Se Dri Dra Dra	ary Indicators (2 or more required ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10)	
Remarks: YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime	OGY drology Indicators cators (any one indi Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive	s: icator is suff erine) onriverine)	Salt Crus Biotic Cru Aquatic Ir Hydrogen	ist (B12) nvertebrat n Sulfide C Rhizosph	Odor (C1) eres alon		<u>Second</u> Wa Se Dri Dri Dri Dri Dri oots (C3) Th	ary Indicators (2 or more required ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) <i>r</i> -Season Water Table (C2)	
Primary Indi Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface	OGY drology Indicators cators (any one indi Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6)	s: icator is suff erine) onriverine) erine)	Salt Cruss Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent In	ist (B12) nvertebrat Sulfide C Rhizosph of Reduc	Odor (C1) eres alon ced Iron (		<u>Second</u> Wa Se Dri Dri Dri oots (C3) Th Cri	ary Indicators (2 or more required ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) in Muck Surface (C7)	
Primary Indi Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface	OGY drology Indicators cators (any one indi Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No	s: icator is suff erine) onriverine) erine)	Salt Cruss Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent In	ust (B12) nvertebrat a Sulfide C Rhizosph of Reduct on Reduct	Odor (C1) eres alon ced Iron ( tion in Pla	C4)	<u>Second</u> Wa Se Dri Dri Dri Dri Dri Dri Dri Cri (C6) Sa	ary Indicators (2 or more required ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8)	
Primary Indi Primary Indi Surface High W. Saturati Water M. Sedime Drift De Surface Inundat Water-S	OGY drology Indicators cators (any one indi Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive ont Deposits (B2) (No posits (B3) (Nonrive soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9)	s: icator is suff erine) onriverine) erine) I Imagery (E	Salt Cruss Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent In	ust (B12) nvertebrat a Sulfide C Rhizosph of Reduct on Reduct	Odor (C1) eres alon ced Iron ( tion in Pla	C4)	<u>Second</u> Wa Se Dri Dri Dri oots (C3) Th Cri (C6) Sa Sh	ary Indicators (2 or more required ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery	
Remarks: IYDROLO Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat Water-S	OGY drology Indicators cators (any one indi Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive ont Deposits (B2) (No posits (B3) (Nonrive soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9)	s: icator is suff erine) onriverine) erine) I Imagery (E	Salt Cruss Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent In	ust (B12) nvertebrat a Sulfide C Rhizosph of Reduct on Reduct	Odor (C1) eres alon ced Iron ( tion in Pla	C4)	<u>Second</u> Wa Se Dri Dri Dri oots (C3) Th Cri (C6) Sa Sh	ary Indicators (2 or more required ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery allow Aquitard (D3)	
Remarks: IYDROLO Wetland Hy Primary Indi Surface High W. Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obse	DGY edrology Indicators cators (any one indi Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations:	s: icator is suff erine) onriverine) erine) I Imagery (E	Salt Crusi Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent In 37) Other (Ex	ust (B12) nvertebrat a Sulfide C Rhizosph of Reduct on Reduct	Odor (C1) eres alon ced Iron ( tion in Ple temarks)	C4) owed Soils	<u>Second</u> Wa Se Dri Dri Dri oots (C3) Th Cri (C6) Sa Sh	ary Indicators (2 or more required ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery allow Aquitard (D3)	
Remarks: IYDROLO Wetland Hy Primary Indi Surface High W. Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obse	OGY drology Indicators cators (any one indi Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive ant Deposits (B2) (Norive sposits (B3) (Nonrive sposits (B3) (Nonrive sposit	erine) onriverine) erine) erine) I Imagery (E	Salt Crust Biotic Cru Aquatic Ir Aquatic Ir Oxidized Presence Recent Ir T Other (Ex No X Depth (in	ust (B12) nvertebrat a Sulfide C Rhizosph of Reduc on Reduc cplain in R	Odor (C1) eres alon ced Iron ( tion in Plo cemarks)	C4) bwed Soils	<u>Second</u> Wa Se Dri Dri Dri oots (C3) Th Cri (C6) Sa Sh	ary Indicators (2 or more required ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery allow Aquitard (D3)	
Remarks: YDROLO Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F	DGY drology Indicators cators (any one indi Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present?	s: icator is suff onriverine) erine) I Imagery (E ) Yes	Salt Crust Biotic Cru Aquatic Ir Aquatic Ir Oxidized Presence Recent Ir T Other (Ex No X Depth (in	ust (B12) nvertebratt a Sulfide C Rhizosph of Reduct on Reduct con	Odor (C1) eres alon ced Iron ( tion in Plo cemarks)	C4) bowed Soils	Second Wa Se Dri Dri Dri Dri oots (C3) Th Cri (C6) Sa Sh FA	ary Indicators (2 or more required ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) /-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery allow Aquitard (D3)	

2

Remarks:

#### WETLAND DETERMINATION DATA FORM – Arid West Region

City/County: Soland County Sampling Date: 5-8-24
State: CA Sampling Point: SP-1
Section, Township, Range: 500 T3N RIE
Local relief (concave, convex, none): Concave Slope (%):
2.0721470 Long: -121.8321079 Datum: NAD83
NWI classification: N/A
ear? Yes X No (If no, explain in Remarks.)
y disturbed? Are "Normal Circumstances" present? Yes No
oblematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No Yes No	- Is the Sampled Area - within a Wetland?	Yes X	No
Remarks: Isolated depression the south, NO inte		mule been seperating	y inical from	constine to

#### VEGETATION

The Status (landing and C20)		Dominant		Dominance Test worksheet:
Tree Stratum (Use scientific names.) F= 30'		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4 Total Cover	6			Percent of Dominant Species
Sapling/Shrub Stratum Y=15				That Are OBL, FACW, or FAC: 1001/. (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species $2S$ $x1 = 2S$
4				FACW species $3 \times 2 = 10$
5.				FAC species $75 \times 3 =$
Total Cover	0			FACU species x4 =
Herb Stratum (=5)		-		UPL species         x5=
1. Salicocnia Pacifica	25	Y	OBL	Column Totals: $105$ (A) $225$ (B)
2. Distichilis spirata	75	Y	FAC	Column rotals: $100$ (A) $220$ (B)
3. Frankenia Salina	S	N	FACW	Prevalence Index = B/A = 2.14
4				Hydrophytic Vegetation Indicators:
5				Dominance Test is >50%
6				∠Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting
8	_		-	data in Remarks or on a separate sheet)
7.110	- 100			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (=15)		_		
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cove	er: O	1		Hydrophytic
4			0	Vegetation
% Bare Ground in Herb Stratum % Cove	er of Biotic	Crust	0	Present? Yes No
Remarks:				

								Sampling Point:
rofile Desc	cription: (Describe t	to the dep				or confir	m the absence	of indicators.)
Depth	Matrix	0/		x Features	s Type <sup>1</sup>	Loc <sup>2</sup>	Taxtura	-
(inches)	Color (moist)	100	Color (moist)	%	_туре	LQC	Sic Lo	Remarks
2-2	104R 21	100					SiCLO	Mikly Peat. Greasy/stail
- 1/		00	ENLA OLI			- 10		tiges when rubber
2-16	Gley 1094/1	80	5YK 314	20		///	Sic	Gley page
			1					Redux prompent
Type: C=C	oncentration, D=Depl	letion, RM=	Reduced Matrix.	<sup>2</sup> Location	: PL=Por	e Lining,	RC=Root Chan	nel, M=Matrix.
ydric Soil	Indicators: (Applica	able to all	LRRs, unless othe	rwise not	ed.)		Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histosol	•		Sandy Red				the second se	Muck (A9) (LRR C)
	pipedon (A2) istic (A3)		Stripped M		1/51)			Muck (A10) (LRR B) ced Vertic (F18)
	en Sulfide (A4)		Loamy Mue					arent Material (TF2)
	d Layers (A5) (LRR C	C)	_ Depleted N	•	/			(Explain in Remarks)
	uck (A9) (LRR D)		Redox Dar				-	
	d Below Dark Surface	e (A11)	Depleted D					
	ark Surface (A12) /lucky Mineral (S1)		Redox Dep Vernal Poo		F0)		<sup>3</sup> Indicators	of hydrophytic vegetation and
	Gleyed Matrix (S4)							I hydrology must be present.
	Layer (if present):							
Туре:/	NA							X
Depth (in	ches):						Hydric Soil	Present? Yes No
TOP 10	yer of soil	is mix	or orgenic	Matter	NOT H	ich r	ry loamy	Inverse prit. Becomes greased
		is mix	a or organic s finged when r	Matter	rond a	nick en	nough to m	lmucky prit. Becomes greasy eet FI indicator.
YDROLO			e or orgenic s finged when r	Matter	Not th	nick er	•	Inverse prist. Becomes greasy eet FI indicator.
YDROLO Vetland Hy	GY			Metter Nobel.	NOX H	nick er	Secor	
YDROLO Vetland Hy Primary Indi Surface	GY drology Indicators: cators (any one indic Water (A1)		icient) Salt Crus	t (B11)	rond a	nick en	<u>Secor</u> W S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
YDROLO Wetland Hy Primary Indi Surface High Wa	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2)		icient) Salt Crus Biotic Cru	t (B11) ust (B12)		n much	<u>Secor</u> W S D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
YDROLO Wetland Hy Primary Indi Surface High Wa Saturati	drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3)	ator is suff	icient) Salt Crus Biotic Cru Aquatic Ir	t (B11) ust (B12) nvertebrate	es (B13)	n much	<u>Secor</u> W S D D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver	ator is suff	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger	t (B11) ust (B12) nvertebrate n Sulfide Od	es (B13) dor (C1)		<u>Secor</u> W S D D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nor	ator is suff ine) nriverine)	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized	t (B11) ust (B12) nvertebrate	es (B13) dor (C1) res along	Living Ro	<u>Secor</u> W S D D D D D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver	ator is suff ine) nriverine)	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence	t (B11) ıst (B12) nvertebrate n Sulfide Od Rhizosphe	es (B13) dor (C1) res along ed Iron (C4	Living Rc 4)	<u>Secor</u> W S D D D D D D T C	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface	drology Indicators: <u>cators (any one indic</u> Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver	ine) nriverine) rine)	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Irr	t (B11) ist (B12) nvertebrate n Sulfide Oo Rhizosphe of Reduce	es (B13) dor (C1) res along ed Iron (C- on in Plov	Living Rc 4)	Secor W S D D D D D D C (C6) S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S	drology Indicators: cators (any one indicators: Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9)	ine) nriverine) rine)	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Irr	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe e of Reduce on Reducti	es (B13) dor (C1) res along ed Iron (C- on in Plov	Living Rc 4)	Secor W S D D D D D C (C6) S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser	drology Indicators: cators (any one indicators: Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) rvations:	ine) nriverine) rine)	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent In 7) Other (Ex	t (B11) ust (B12) nvertebrate n Sulfide Od Rhizosphe of Reduce on Reducti cplain in Re	es (B13) dor (C1) res along ed Iron (C- on in Plov	Living Rc 4)	Secor W S D D D D D C (C6) S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Drift De Inundati Water-S Field Obser Surface Wat	drology Indicators: cators (any one indicators: Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) rvations: ter Present?	ine) nriverine) rine) magery (B	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Irr 7) Other (Ex	t (B11) ist (B12) nvertebrate n Sulfide Or Rhizosphe of Reduce on Reducti splain in Re	es (B13) dor (C1) res along ed Iron (C- on in Plov	Living Rc 4)	Secor W S D D D D D C (C6) S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Nater Table	drology Indicators: cators (any one indicators: Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial I Stained Leaves (B9) rvations: ter Present? Ye	ine) nriverine) rine) magery (B	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Irr 7) Other (Ex No Depth (ir No Depth (ir	t (B11) ist (B12) nvertebrate n Sulfide Or Rhizosphe of Reduce on Reducti splain in Re nches):	es (B13) dor (C1) res along ed Iron (C- on in Plov emarks)	Living Ro 4) ved Soils	Secor W S D D D D D C (C6) S F	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Observation P includes ca	GY drology Indicators: cators (any one indicators): Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveriant nt Deposits (B2) (Nonriveriant Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) rvations: ter Present? Ye Present? Ye pillary fringe)	ine) nriverine) rine) Imagery (B	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Irr 7) Other (Ex No Depth (ir No Depth (ir No Depth (ir	t (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe of Reduce on Reducti splain in Re nches): nches):	es (B13) dor (C1) res along ed Iron (C- on in Plov emarks). T <sup>(1</sup> O <sup>(1)</sup>	Living Ro 4) ved Soils	Secor	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wate Saturation P includes ca	drology Indicators: cators (any one indicators: Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nonriver Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) vations: ter Present? Ye Present? Ye	ine) nriverine) rine) Imagery (B	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Irr 7) Other (Ex No Depth (ir No Depth (ir No Depth (ir	t (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe of Reduce on Reducti splain in Re nches): nches):	es (B13) dor (C1) res along ed Iron (C- on in Plov emarks). T <sup>(1</sup> O <sup>(1)</sup>	Living Ro 4) ved Soils	Secor	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wate Saturation P (includes ca Describe Re	GY drology Indicators: cators (any one indicators): Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveriant nt Deposits (B2) (Nonriveriant Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) rvations: ter Present? Ye Present? Ye pillary fringe)	ine) nriverine) rine) Imagery (B	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Irr 7) Other (Ex No Depth (ir No Depth (ir No Depth (ir	t (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe of Reduce on Reducti splain in Re nches): nches):	es (B13) dor (C1) res along ed Iron (C- on in Plov emarks). T <sup>(1</sup> O <sup>(1)</sup>	Living Ro 4) ved Soils	Secor	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wal Water Table Saturation P (includes ca Describe Re	drology Indicators: cators (any one indicators: Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveriant nt Deposits (B2) (Nonriveriant Soil Cracks (B6) ion Visible on Aerial II Stained Leaves (B9) rvations: ter Present? Ya Present? Ya Present? Ya pillary fringe) ecorded Data (stream	ine) nriverine) rine) Imagery (B	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir 7) Other (Ex No Depth (ir No Depth (ir No Depth (ir No Depth (ir no Depth (ir ponitoring well, aerial	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe on Reducti on Reducti on Reducti plain in Re nches): nches): photos, pr	es (B13) dor (C1) res along ed Iron (C- on in Plov emarks)	Living Rc 4) ved Soils We We	Secor	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Water Surface Wat	GY drology Indicators: cators (any one indicators): Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveriant nt Deposits (B2) (Nonriveriant Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) rvations: ter Present? Ye Present? Ye pillary fringe)	ine) nriverine) rine) Imagery (B	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir 7) Other (Ex No Depth (ir No Depth (ir No Depth (ir No Depth (ir no Depth (ir ponitoring well, aerial	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe on Reducti on Reducti on Reducti plain in Re nches): nches): photos, pr	es (B13) dor (C1) res along ed Iron (C- on in Plov emarks)	Living Rc 4) ved Soils We We	Secor	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLO Vetland Hy mimary Indii Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S ield Obser Surface Water Surface Surfac	drology Indicators: cators (any one indicators: Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveriant nt Deposits (B2) (Nonriveriant Soil Cracks (B6) ion Visible on Aerial II Stained Leaves (B9) rvations: ter Present? Ya Present? Ya Present? Ya pillary fringe) ecorded Data (stream	ine) nriverine) rine) Imagery (B	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir 7) Other (Ex No Depth (ir No Depth (ir No Depth (ir No Depth (ir no Depth (ir ponitoring well, aerial	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe on Reducti on Reducti on Reducti plain in Re nches): nches): photos, pr	es (B13) dor (C1) res along ed Iron (C- on in Plov emarks)	Living Rc 4) ved Soils We We	Secor	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLO Vetland Hy mimary Indii Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S ield Obser Surface Water Surface Surfac	drology Indicators: cators (any one indicators: Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveriant nt Deposits (B2) (Nonriveriant Soil Cracks (B6) ion Visible on Aerial II Stained Leaves (B9) rvations: ter Present? Ya Present? Ya Present? Ya pillary fringe) ecorded Data (stream	ine) nriverine) rine) Imagery (B	icient) Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir 7) Other (Ex No Depth (ir No Depth (ir No Depth (ir No Depth (ir no Depth (ir ponitoring well, aerial	t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe on Reducti on Reducti on Reducti plain in Re nches): nches): photos, pr	es (B13) dor (C1) res along ed Iron (C- on in Plov emarks)	Living Rc 4) ved Soils We We	Secor	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

## WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: CONSVILL	City/County: Sampling Date: 5-8-24
Applicant/Owner: LS POWEr	State: CA Sampling Point: SP - 2
Investigator(s): Karen Bach, Sidney Wells	Section, Township, Range: SOU T3N RIE
Landform (hillslope, terrace, etc.): + crrace / Couldre	
Subregion (LRR): LRR C Lat: 3	
Soil Map Unit Name: Valdez sitt low drama, D-zir. 51	
Are climatic / hydrologic conditions on the site typical for this time of ye	
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pr	
SUMMARY OF FINDINGS - Attach site map showing	g sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u> </u>	Is the Sampled Area within a Wetland?	Yes	No
Remarks: Low terrace above.	sp-1 vetical plo	+, just below manned	e berm.	

VEGETATION

<u>Tree Stratum</u> (Use scientific names.) $f=30^{\circ}$ 1	Absolute % Cover	Dominant Species?		Dominance Test worksheet:           Number of Dominant Species           That Are OBL, FACW, or FAC:
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
Sapling/Shrub Stratum	:_0_			That Are OBL, FACW, or FAC:(A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Total Cover	. 0			FACU species x 4 =
Herb Stratum F=5'		~ /		UPL species x 5 =
1. Festuca perrenis	20	_/V	FAC	Column Totals: (A) (B)
2. Hordeum murinum	20	N	FACU	(0)
3. Hordeun Marinum	50	<u> </u>	FAC	Prevalence Index = B/A =
4. Distichiis spirata	30	Y	FAC	Hydrophytic Vegetation Indicators:
5. Lactuca Serriola	2	N	FACV	Dominance Test is >50%
6. FORMIWIUM VUIGARS	2	N	UPL	Prevalence Index is ≤3.0 <sup>1</sup>
7. Frankenia Sulina	10	N	FACW	Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
Woody Vine Stratum V= 15 <sup>1</sup> Total Cove	r: 134	_		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1 2				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
Total Cove	r: 0			Hydrophytic
% Bare Ground in Herb Stratum % Cove	r of Biotic (	Crust	0	Vegetation Present? Yes <u>No</u>
Remarks:				

W-3

		to the de	pth needed to docu			or contin	m the absence of ir	idicators.)
Depth inches)	Matrix Color (moist)	%	Color (moist)	ox Feature %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
)-1.5	7.5 YR 2.5/1	100					ORG. +SIL	Homene
5-14	2.54 4/3	95	104R4/6	5	C	M	SIC	
		_			_			
Type: C=Co lydric Soil I	oncentration, D=Depl ndicators: (Application)	etion, RM able to al	A=Reduced Matrix.			e Lining,	RC=Root Channel, I Indicators for	M=Matrix. Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red					(A9) (LRR C)
Histic Ep	pipedon (A2)		Stripped M					(A10) (LRR B)
Black His			Loamy Mu				Reduced V	t Material (TF2)
	n Sulfide (A4)	•	Loamy Gle	-				lain in Remarks)
1 cm Mu Depleted	I Layers (A5) (LRR C ck (A9) (LRR D) I Below Dark Surface		Redox Dar Depleted D	k Surface Dark Surface	(F6) ce (F7)		Outsi (2.1p	, ,
Sandy M	rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4)		Redox Dep Vernal Poo		(F0)			ydrophytic vegetation and rology must be present.
-	ayer (if present):							
	VA							
Type: 1	thes):	_					Hydric Soil Pres	sent? Yes No _
Type:/ Depth (inc								

#### HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient)	Water Marks (B1) (Riverine)
	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Thin Muck Surface (C7)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	$\checkmark$
(includes capillary fringe)	drology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if availa Remarks:	ble:

			W-3
WETLAND DETERMINAT	ION DATA FORM - Arid	West Region	
Project/Site: Collinsville	City/County: Solano Ca	ounty s	Sampling Date: 05-08-24
Applicant/Owner: US POWEN	S		Sampling Point: SP-3
Investigator(s): Kaven Bach, Sidney Wells	Section, Township, Range:	SOG T3N	RIE
Landform (hillslope, terrace, etc.): 1001020	Local relief (concave, convex,		
Subregion (LRR): LRAC Lat:	58.0720192 Long:	-121.8319	306 Datum: NAD83
Soil Map Unit Name: Valdez Sit 100m, drained, O-	2'r. SIOPES, MLRAIE	NWI classifica	ation: N/A
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes X No (	(If no, explain in Re	emarks.)
Are Vegetation, Soil, or Hydrology significant	ly disturbed? Are "Normal	I Circumstances" pr	resent? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology naturally p	problematic? (If needed, e	explain any answers	rs in Remarks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes No X	Is the Sampled Area within a Wetland?	Yes No	X
Remarks: Located on flat, gently side depression present,	oping circa slightly upsil	pe and to the east	of sp-1. No	obvios

#### VEGETATION

T. 01.1. (1)	(=30'	Absolute			Dominance Test workshee	et:	
<u>Tree Stratum</u> (Use scientific names.) 1.			Species?		Number of Dominant Specie That Are OBL, FACW, or FA		.)
2							
3					Total Number of Dominant Species Across All Strata:	Z (B	3)
4.							·
Sapling/Shrub Stratum	Total Cover	0			Percent of Dominant Specie That Are OBL, FACW, or F.		VB)
1					Prevalence Index worksh	eet:	
2.					Total % Cover of:	Multiply by:	
3					OBL species	x 1 =	
4.					FACW species	x 2 =	
5.					FAC species	x 3 =	
	Total Cove	0			FACU species		
Herb Stratum			-		UPL species		
1. Salicornia pacifica		70	Y	OBL	Column Totals		
2. Disticutios spicata		40	Y	FAC			(0)
3. Festica pevennes		2	N	FAC	Prevalence Index =	B/A =	
4. Frankenia Sallina		2	Ν	FACW	Hydrophytic Vegetation	Indicators:	
5				1.1.1.1.1.1.1	Dominance Test is >	50%	
6					Prevalence Index is s	3.0 <sup>1</sup>	
7					Morphological Adapta	ations <sup>1</sup> (Provide supporti	ng
8		-			data in Remarks of	or on a separate sheet)	
Woody Vine Stratum C=15	Total Cove	r: 144	_		Problematic Hydroph	ytic Vegetation <sup>1</sup> (Explain	1)
					<sup>1</sup> Indicators of hydric soil a	and wetland hydrology m	nuet
1					be present.	and wettand hydrology in	iusi
,	Total Cove	er: D		-	Hydrophytic		
% Bare Ground in Herb Stratum(	) % Cove	er of Biotic	Crust	0	Vegetation Present? Yes	<u> </u>	
Remarks:					1		

#### SOIL

## Sampling Point: SP-3

Depth Matrix	Redo	x Feature	s			
(inches) Color (moist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	
0-2 104F2/1		-		_	SICL	0
2-18 2.54 4/1 75	7.51R 3/3	25	C	M	SIC	
2-18 2.5 11 12						_
						-
			-	1000		
	-					
		2.				
Type: C=Concentration, D=Depletion, R				e Lining, R		
lydric Soil Indicators: (Applicable to a			ed.)			rs for Problematic Hydric Soils <sup>3</sup> :
_ Histosol (A1)	Sandy Redo				-	Muck (A9) (LRR C)
_ Histic Epipedon (A2)	Stripped Ma				-	Muck (A10) (LRR B)
Black Histic (A3)	Loamy Muc					uced Vertic (F18)
_ Hydrogen Sulfide (A4)	Loamy Gley		(F2)			Parent Material (TF2)
_ Stratified Layers (A5) (LRR C)	Depleted Ma				Othe	er (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark					
C Depleted Below Dark Surface (A11)	Depleted Da					
_ Thick Dark Surface (A12)	Redox Depr		8)		3	
Sandy Mucky Mineral (S1)	Vernal Pools	s (F9)				s of hydrophytic vegetation and
_ Sandy Gleyed Matrix (S4) estrictive Layer (if present):		_			wetlar	nd hydrology must be present.
11/10						
Type: N/A						
Depth (inches):					Hydric So	il Present? Yes <u>    No    </u> No <u> </u>
Depth (inches):					Hydric So	il Present? Yes <u>    No    </u> No <u> </u>
Depth (inches):						il Present? Yes No ondary Indicators (2 or more required)
Depth (inches):					Seco	
Depth (inches): emarks: DROLOGY tland Hydrology Indicators:		B11)			<u>Sec</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Depth (inches): marks: DROLOGY tland Hydrology Indicators: mary Indicators (any one indicator is suff Surface Water (A1)	ficient) Salt Crust (					ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inches): marks: DROLOGY tiland Hydrology Indicators: mary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2)	ficient) Salt Crust (i Biotic Crust	(B12)	(B13)		<u>Sec</u>	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inches): marks: DROLOGY tland Hydrology Indicators: mary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2) Saturation (A3)	ficient) Salt Crust ( Biotic Crust Aquatic Inve	(B12) ertebrates			<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10)
Depth (inches): marks: DROLOGY tland Hydrology Indicators: mary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	ficient) Salt Crust ( Biotic Crust Aquatic Inve Hydrogen S	(B12) ertebrates ulfide Odd	or (C1)	iving Poot	<u>Sec</u>	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2)
Depth (inches): marks: DROLOGY tland Hydrology Indicators: mary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	ficient) Salt Crust ( Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh	(B12) ertebrates ulfide Odd	or (C1) es along L		<u>Sec</u>	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Depth (inches): marks: DROLOGY tiland Hydrology Indicators: mary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	ficient) Salt Crust (i Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of	(B12) ertebrates ulfide Odo nizosphere Reduced	or (C1) es along L Iron (C4)	)	<u>Secc</u>	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Depth (inches): marks: DROLOGY ttland Hydrology Indicators: mary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	ficient) Salt Crust (i Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	(B12) ertebrates ulfide Odd nizosphere Reduced Reductior	or (C1) es along L Iron (C4) n in Plowe	)	<u>Secc</u>	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Depth (inches): marks: DROLOGY tland Hydrology Indicators: mary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B3)	ficient) Salt Crust (i Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	(B12) ertebrates ulfide Odd nizosphere Reduced Reductior	or (C1) es along L Iron (C4) n in Plowe	)	<u>Secc</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Depth (inches): marks: DROLOGY tland Hydrology Indicators: mary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	ficient) Salt Crust (i Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	(B12) ertebrates ulfide Odd nizosphere Reduced Reductior	or (C1) es along L Iron (C4) n in Plowe	)	<u>Secc</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Depth (inches): marks: DROLOGY tand Hydrology Indicators: mary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B3 Water-Stained Leaves (B9) d Observations:	ficient) Salt Crust (i Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron 7) Other (Expla	(B12) ertebrates ulfide Odd izosphere Reduced Reductior ain in Rem	or (C1) es along L Iron (C4) n in Plowe narks)	) ed Soils (C	<u>Secc</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Depth (inches):	ficient) Salt Crust (i Biotic Crust Aquatic Inve Hydrogen S Oxidized Rł Presence of Recent Iron 7) Other (Explain No Depth (inch	(B12) ertebrates ulfide Odd izosphere Reduced Reductior ain in Rem	or (C1) es along L Iron (C4) n in Plowe narks)	) ed Soils (C	<u>Secc</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Depth (inches):	ficient) Salt Crust (i Biotic Crust Aquatic Inve Hydrogen S Oxidized Rł Presence of Recent Iron 7) Other (Explain No Depth (inch	(B12) ertebrates ulfide Odd izosphere Reduced Reductior ain in Rem	or (C1) es along L Iron (C4) n in Plowe narks)	) ed Soils (C	<u>Secc</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Depth (inches):	ficient) Salt Crust () Biotic Crust Aquatic Inve Hydrogen S Oxidized RH Presence of Recent Iron 7) Other (Explain No Depth (inch No Depth (inch	(B12) ertebrates ulfide Odd nizosphere Reduced Reduction ain in Rem es): es):	or (C1) Iron (C4) In in Plowe harks)	) ed Soils (C 	<u>Secc</u> 	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Depth (inches):	ficient) Salt Crust () Biotic Crust Aquatic Inve Hydrogen S Oxidized RH Presence of Recent Iron 7) Other (Explain No Depth (inch No Depth (inch	(B12) ertebrates ulfide Odd nizosphere Reduced Reduction ain in Rem es): es):	or (C1) Iron (C4) In in Plowe harks)	) ed Soils (C 	<u>Secc</u> 	endary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Saturation Visible on Aerial Imagery (C         Shallow Aquitard (D3)         FAC-Neutral Test (D5) =         OGL+FACU
Depth (inches):	ficient) Salt Crust (i Biotic Crust Aquatic Inve Hydrogen S Oxidized Rt Presence of Recent Iron 7) Other (Explain No Depth (inch No Depth (inch No Depth (inch nitoring well, aerial ph	(B12) ertebrates ulfide Odd nizosphere Reduced Reductior ain in Rem ess): ess): otos, prev	or (C1) es along L Iron (C4) n in Plowe earks)	) ed Soils (C  Wetla ections), if	Secc <u>Secc</u> <u></u>	andary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Saturation Visible on Aerial Imagery (C         Shallow Aquitard (D3) $\mathcal{O}_{C+FACW}$ FAC-Neutral Test (D5) $\mathcal{O}_{C+FACW}$ gy Present?         Yes         No
Depth (inches):	ficient) Salt Crust (( Biotic Crust Aquatic Inve Hydrogen S Oxidized Rł Presence of Recent Iron 7) Other (Explain No Depth (inch No Depth (inch	(B12) ertebrates ulfide Odd nizosphere Reduced Reduction ain in Rem es): es): otos, prev	or (C1) es along L Iron (C4) n in Plowe earks)	) ed Soils (C 	Seco <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u>	Example 2       Order Varks (B1) (Riverine)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Saturation Visible on Aerial Imagery (C         Shallow Aquitard (D3)         FAC-Neutral Test (D5) = $\frac{O(EL+FACW)}{UPL+FACU}$ gy Present? Yes No

5

Project/Site: COMMS VILLE	Cit	y/County: Soland County	Sampling Date: 05-09-
Applicant/Owner: LS POWEN		State:	A Sampling Point: SP -1
Investigator(s): Karen Bach, Sic	men wells se	ction, Township, Range:	
Landform (hillslope, terrace, etc.):		cal relief (concave, convex, none):	
Subregion (LRR):	Lat:	Long:	Datum:
Soil Map Unit Name:		NWI	classification:
Are climatic / hydrologic conditions on the site t	typical for this time of year?	Yes No (If no, expl	ain in Remarks )
	**		un in Kondiko.)
Are Vegetation, Soil, or Hydrold		sturbed? Are "Normal Circumsta	ances" present? Yes X No
	ogy significantly dis	turbed? Are "Normal Circumsta	ances" present? Yes No / answers in Remarks.)
Are Vegetation, Soil, or Hydrold	ogy significantly dis	turbed? Are "Normal Circumsta ematic? (If needed, explain any	ances" present? Yes No / answers in Remarks.)
Are Vegetation, Soil, or Hydrold Are Vegetation, Soil, or Hydrold	ogy significantly dis	Are "Normal Circumsta ematic? (If needed, explain any ampling point locations, tran	ances" present? Yes No / answers in Remarks.) Isects, important features, e
Are Vegetation, Soil, or Hydrold Are Vegetation, Soil, or Hydrold SUMMARY OF FINDINGS – Attach Hydrophytic Vegetation Present? Yes	ogy significantly dis ogy naturally proble site map showing s	Are "Normal Circumsta ematic? (If needed, explain any ampling point locations, tran	ances" present? Yes No / answers in Remarks.)

#### VEGETATION

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F	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Use scientific names.) 5 Ft=v 1	% Cover	Species?	Status	Number of Dominant Species <u>3</u> That Are OBL, FACW, or FAC: <u>(A)</u>
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				Persont of Deminent Consist
Sapling/Shrub Stratum 5/F+=r Total Cover:				Percent of Dominant Species That Are OBL, FACW, or FAC:(20) (A/B)
1. Rubus armeniacus	5	¥		Prevalence Index worksheet:
2				Total % Cover of:Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
	. 5			FACU species x 4 =
Herb Stratum 5ft=v Total Cover				UPL species         x5 =
1. Schoenopectus americanus	10	N	OBL	
2. Tupha latifolia	5.	AL	OBL	Column Totals: (A) (B)
3. Persicavia amphibia	20	Y	OBL	Prevalence Index = B/A =
4. Schoenoplectus acuts occidentalis	1	A	OBL	Hydrophytic Vegetation Indicators:
5. Denanthe sarmentosa	10	N	OBL	X Dominance Test is >50%
6. Ludmaia zerdoides	25	- <u>/</u>	OBL	$Prevalence Index is \leq 3.0^{1}$
7. Juncus balticus	04		FACW	Morphological Adaptations <sup>1</sup> (Provide supporting
	25	-		data in Remarks or on a separate sheet)
8. Juncus xiphioides	15	_/\	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum 5 F7=V Total Cover	111	-		
woody vine Stratum				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1				be present.
2				
Total Cover	:	-		Hydrophytic Vegetation
% Bare Ground in Herb Stratum 10 % Cover	of Biotic C	rust	_	Present? Yes No No
Remarks: Radius of regelation plats ve	basived	the asl	nid ru	accura unaltation company with
INDUAND LOUDERLOS And Homes	achic	10 014	daini	ussing usgending continued in
wettand boundary, and topogr	opine	DOWN	aary.	5 5
0				

# SOIL

2

- 10

4.

Sampling Point:	5	p-
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ofile Desc				v Fasture						
epth nches)	Color (moist)	%	Color (moist)	x Features %		_Loc <sup>2</sup>	Texture	_	Remarks	
-1.5	7.54K 2.5/1	100					Silo			
1.2	-1.7 (	10			-					
5-1-	104F 312	100					5:11	.0		
-φ	TOTESTA	100						<u> </u>		
	Chully	00	7.51R-4/6	10	C	11	SICL	2		
2-11	Glegt A NO		1.514 16		<u> </u>	- M	- 2100			
1-14	GIELLIN 4/0	07	7.54R 5/8	3	C	M	SIL	0		
1			G1eu1104 4		+	M	C ( I	<u> </u>		
	Gletz 1 NU/0			-	P		Dach		1-1-4-	
	oncentration, D=Dep Indicators: (Applic					re Lining,	RC=Root C	nannel, M=N	hatrix. blematic Hydric Sc	ile <sup>3</sup>
5 M 1 M 1 M 1		able to al			ea.)					
_ Histoso			Sandy Rec					m Muck (AS	0) (LRR C)	
	pipedon (A2) listic (A3)		Stripped M Loamy Mu					duced Verti		
	en Sulfide (A4)		$\overline{X}$ Loamy Gle						aterial (TF2)	
	ed Layers (A5) (LRR	()	Depleted N	•					in Remarks)	
	luck (A9) (LRR D)	0)	Redox Da				_ 01		in Romano,	
	ed Below Dark Surfac	e (A11)	Depleted [							
	Dark Surface (A12)		Redox De							
	Mucky Mineral (S1)		Vernal Po		(1 0)		<sup>3</sup> Indica	tors of hydro	phytic vegetation a	nd
	Gleyed Matrix (S4)								gy must be present	
De atul atter	Layer (if present):									
restrictive	Layer in present.									
Type:	1 / ILA									
Туре:	1 / ILA						Hydric	Soil Presen	t? Yes X	No
Туре:	N/A						Hydric	Soil Presen	t? Yes X	No
Type: Depth (i Remarks: IYDROL Wetland H Primary In X Surfac	OGY lydrology Indicators dicators (any one ind pe Water (A1)		Salt Cru					econdary In Water Ma Sedimen	<u>dicators (2 or more</u> arks (B1) ( <b>Riverine</b> ) t Deposits (B2) ( <b>Riv</b>	erine)
Type: Depth (i Remarks: YDROL Wetland H Primary In Surfac High V	OGY Iydrology Indicators dicators (any one ind pe Water (A1) Nater Table (A2)		Salt Cru Biotic Cr	rust (B12)			<u>S</u>	econdary In Water Ma Sedimen Drift Dep	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine	erine)
Type: Depth (i Remarks: WDROL Wetland H Primary Ind Surfac High V Satura	OGY Inches): OGY Indicators (any one indicators dicators (any one indicators dicators (any one indicators) Autor (A1) Nater Table (A2) ation (A3)	icator is s	Salt Cru Biotic Cr Aquatic	rust (B12) Invertebra				econdary In Water Ma Sedimen Drift Dep Drainage	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine Patterns (B10)	erine) )
Type: Depth (i Remarks: WDROL Wetland H Primary In Surfac High V Satura Water	OGY Inches): OGY Indicators (any one indicators dicators (any one indicators dicators (any one indicators) water (A1) Nater Table (A2) ation (A3) Marks (B1) (Nonrive	icator is s erine)	Salt Cru Biotic Cru Aquatic Hydroge	rust (B12) Invertebra en Sulfide (	Odor (C1)	)		econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine Patterns (B10) son Water Table (C2	erine) )
Type: Depth (i Remarks: YDROL Wetland H Primary In X Surfac  High V Satura  X Satura  X Sedim	OGY Iydrology Indicators dicators (any one ind be Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Nonrive nent Deposits (B2) (N	icator is s erine) Ionriverin	Salt Cru Biotic Cru Aquatic Hydroge me) Oxidized	rust (B12) Invertebra en Sulfide ( d Rhizosph	Odor (C1) neres alor	) ng Living F	S 	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine e Patterns (B10) son Water Table (C2 ck Surface (C7)	erine) )
Type: Depth (i Remarks: YDROL Wetland H Primary In X Surfac High V Satura X Sedim X Sedim X Drift D	OGY ydrology Indicators dicators (any one ind be Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (N Deposits (B3) (Nonrive	icator is s erine) Ionriverin	Salt Cru Biotic Cru Aquatic Hydroge Oxidized Presence	rust (B12) Invertebra en Sulfide d Rhizosph e of Redu	Odor (C1) neres alor ced Iron (	) ng Living F (C4)	S 	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc Crayfish	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8)	erine) ) 2)
Type: Depth (i Remarks: YDROL Wetland H Primary In X Surfac High V Satura X Sedim X Sedim Z Surfac	OGY Inches): OGY Indicators (any one indicators dicators (any one indicators dicator	icator is s erine) Ionriverin rerine)	Salt Cru Biotic Cru Aquatic Hydroge Oxidized Presenc Recent	rust (B12) Invertebra en Sulfide d Rhizosph e of Redu Iron Reduc	Odor (C1) neres alor ced Iron ( ction in Pl	) ng Living F (C4) lowed Soi	S 	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc Crayfish Saturatic	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine e Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8) on Visible on Aerial I	erine) ) 2)
Type: Depth (i Remarks: YDROL Wetland H Primary In X Surfac Water X Sedin X Sedin X Sedin X Sedin X Sedin X Inund	OGY Inches): OGY Indicators (any one indicators dicators	icator is s erine) lonriverin verine) al Imagery	Salt Cru Biotic Cru Aquatic Hydroge Oxidized Presenc Recent	rust (B12) Invertebra en Sulfide d Rhizosph e of Redu	Odor (C1) neres alor ced Iron ( ction in Pl	) ng Living F (C4) lowed Soi	S 	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc Crayfish Saturatic Shallow	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine e Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8) on Visible on Aerial I Aquitard (D3)	erine) ) 2)
Type: Depth (i Remarks: WDROL Wetland H Primary Inu X Surfac Water X Sedim X Sedim X Drift D Surfac  Nund  Water X Sedim	OGY Inches): OGY Indicators (any one indicators) dicators (any one indicators) dic	icator is s erine) lonriverin verine) al Imagery	Salt Cru Biotic Cru Aquatic Hydroge Oxidized Presenc Recent	rust (B12) Invertebra en Sulfide d Rhizosph e of Redu Iron Reduc	Odor (C1) neres alor ced Iron ( ction in Pl	) ng Living F (C4) lowed Soi	S 	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc Crayfish Saturatic Shallow	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine e Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8) on Visible on Aerial I	erine) ) 2)
Type: Depth (i Remarks: YDROL Wetland H Primary In X Surfac Water X Sedim X Sedim X Sedim X Sedim X Inund Water Field Obs	OGY ydrology Indicators dicators (any one ind by Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (N Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9 servations:	icator is s erine) lonriverin verine) il Imagery )	Salt Cru Biotic Cr Aquatic Hydroge Oxidizer Presend Recent (B7) Other (B	rust (B12) Invertebra en Sulfide d Rhizosph e of Redu Iron Reduc Explain in F	Odor (C1) neres alor ced Iron ( ction in Pl	) ng Living F (C4) lowed Soi	S 	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc Crayfish Saturatic Shallow	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine e Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8) on Visible on Aerial I Aquitard (D3)	erine) ) 2)
Type: Depth (i Remarks: YDROL Wetland H Primary In X Surfac Water X Sedim X Sedim X Sedim X Sedim X Sedim X Inund Field Obs Surface V	OGY Inches): OGY Indicators (any one indicators) dicators (B2) (Nonrive ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9) servations: Vater Present?	icator is s erine) lonriverin verine) il Imagery )	Salt Cru Biotic Cru Aquatic Hydroge Oxidized Presend Recent (B7) Other (B	rust (B12) Invertebra en Sulfide d Rhizosph e of Redu Iron Reduc Explain in F	Odor (C1) heres alor ced Iron ( ction in Pl Remarks)	) ng Living F (C4) lowed Soi	S 	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc Crayfish Saturatic Shallow	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine e Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8) on Visible on Aerial I Aquitard (D3)	erine) ) 2)
Type: Depth (i Remarks: YDROL Wetland H Primary In X Surfac Water X Sedin X Sedin X Sedin X Sedin X Sedin X Inund Field Obs Surface V Water Tal	OGY OGY Iydrology Indicators dicators (any one ind be Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Nonrive thent Deposits (B2) (N Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9 servations: Vater Present? ble Present?	icator is s erine) lonriverin verine) al Imagery ) Yes X Yes X	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent (B7) Other (B	rust (B12) Invertebra en Sulfide ( d Rhizosph e of Redu Iron Reduc Explain in F (inches): _ (inches): _	Odor (C1) neres alor ced Iron ( ction in Pl Remarks)	) ng Living F (C4) lowed Soi	Roots (C3)	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc Crayfish Saturatic Shallow FAC-Net	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riverine) e Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8) on Visible on Aerial I Aquitard (D3) utral Test (D5)	erine) ) 2)
Type: Depth (i Remarks: YDROL Wetland H Primary In X Surfac Water X Sedim X Sedim X Sedim X Sedim X Sedim X Inund Field Obs Surface W Water Tal Saturation	OGY Inches): OGY Indicators (any one indicators dicators (any one indicators (A2) Marks (B1) (Nonrive to a construction (A3) Marks (B1) (Nonrive to a construction (B3) Marks (B1) (Nonrive to a construction (B3) M	icator is s erine) lonriverin verine) il Imagery )	Salt Cru Biotic Cru Aquatic Hydroge Oxidized Presend Recent (B7) Other (B	rust (B12) Invertebra en Sulfide ( d Rhizosph e of Redu Iron Reduc Explain in F (inches): _ (inches): _	Odor (C1) neres alor ced Iron ( ction in Pl Remarks)	) ng Living F (C4) lowed Soi	Roots (C3)	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc Crayfish Saturatic Shallow FAC-Net	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riv osits (B3) (Riverine e Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8) on Visible on Aerial I Aquitard (D3)	erine) ) 2)
Type: Depth (i Remarks: YDROL Wetland H Primary In X Surfac High V Satura Water X Sedim X Sedim X Sedim X Sedim Mater Field Obs Surface V Water Tal Saturation (includes	OGY Inches): OGY Inches): OGY Inches): OGY Inches): Inches): OGY Inches): Inches): Inches): Inches): OGY Inches): Inches)	icator is s erine) lonriverin verine) Il Imagery ) Yes X Yes X Yes X	Salt Cru Biotic Cru Aquatic Hydroge Oxidized Presend Recent (B7) Other (E  No Depth No Depth No Depth	rust (B12) Invertebra en Sulfide d Rhizosph e of Redu Iron Reduc Explain in F (inches): _ (inches): _	Odor (C1) neres alor ced Iron ( ction in Pl Remarks)	) ng Living F (C4) lowed Soi	Soots (C3)	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc Crayfish Saturatic Shallow FAC-Net	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riverine) e Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8) on Visible on Aerial I Aquitard (D3) utral Test (D5)	erine) ) 2)
Type: Depth (i Remarks: YDROL Wetland H Primary In X Surfac High V Satura Water X Sedim X Sedim X Sedim X Sedim Mater Field Obs Surface V Water Tal Saturation (includes	OGY Inches): OGY Indicators (any one indicators dicators (any one indicators (A2) Marks (B1) (Nonrive to a construction (A3) Marks (B1) (Nonrive to a construction (B3) Marks (B1) (Nonrive to a construction (B3) M	icator is s erine) lonriverin verine) Il Imagery ) Yes X Yes X Yes X	Salt Cru Biotic Cru Aquatic Hydroge Oxidized Presend Recent (B7) Other (E  No Depth No Depth No Depth	rust (B12) Invertebra en Sulfide d Rhizosph e of Redu Iron Reduc Explain in F (inches): _ (inches): _	Odor (C1) neres alor ced Iron ( ction in Pl Remarks)	) ng Living F (C4) lowed Soi	Soots (C3)	econdary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Thin Muc Crayfish Saturatic Shallow FAC-Net	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riverine) e Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8) on Visible on Aerial I Aquitard (D3) utral Test (D5)	erine) ) 2)
Type: Depth (i Remarks: WDROL Wetland H Primary Inu X Surfac Water X Sedim X Sedim X Sedim X Sedim X Surfac Field Obs Surface W Water Tal Saturation (includes Describe	OGY Inches): OGY Iydrology Indicators dicators (any one indi- be Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Nonrive nent Deposits (B2) (No- Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9) servations: Vater Present? ble Present? n Present? capillary fringe) Recorded Data (streaged)	icator is s erine) lonriverin verine) al Imagery ) Yes X Yes X Yes X am gauge	Salt Cru Biotic Ci Aquatic Hydroge Oxidized Presend Recent (B7) Other (B No Depth No Depth No Depth No Depth No Depth	rust (B12) Invertebra en Sulfide d Rhizosph e of Redu Iron Reduc Explain in F (inches): _ (inches): _ (inches): _	Odor (C1) neres alor ced Iron ( ction in Pl Remarks)	ng Living F (C4) lowed Soi	Roots (C3) -             -	econdary In Water Ma Drift Dep Drift Dep Drainage Dry-Seas Thin Muc Crayfish Saturatic Shallow FAC-Net	dicators (2 or more arks (B1) (Riverine) t Deposits (B2) (Riverine e Patterns (B10) son Water Table (C2 ck Surface (C7) Burrows (C8) on Visible on Aerial I Aquitard (D3) utral Test (D5)	erine) ) 2) magery (CS

#### WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: COMMSVILL	_ City/County: Sampling Date: 5 - 9 - 24
Applicant/Owner: LS POWEr	State: CA Sampling Point: SP-2
nvestigator(s): Karen Bach, Sidney Wells	_ Section, Township, Range:
andform (hillslope, terrace, etc.):	
	Long: Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of	
Are Vegetation, Soil, or Hydrology significant	
Are Vegetation, Soil, or Hydrology naturally	· · · · · · · · · · · · · · · · · · ·
SUMMARY OF FINDINGS - Attach site map show	ng sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	- Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No	-
Remarks:	
* 1	¥
EGETATION	
Absolu	
<u>Tree Stratum</u> (Use scientific names.) $\subseteq 10$ <u>% Co</u>	rer Species? Status Number of Dominant Species
1	That Are OBL, FACW, or FAC: (A)
2	Total Number of Dominant 3
3	Species Across All Strata: (B)
4 Total Cover: C	Percent of Dominant Species
Sapling/Shrub Stratum 1510	That Are OBL, FACW, or FAC: (A/B)
1	Prevalence Index worksheet:
2	Total % Cover of: Multiply by:
3	OBL species x 1 =
4	FACW species x 2 =
5	FAC species x 3 =
Total Cover:	FACU species x 4 =
Herb Stratum FS' 1. Marrubium Vulgare 35	Y - FACO UPL species $x 5 = $ (A)
2. Festuca perrennis 20	- Column rotals. (A) (D)
Bromus alandrus 21	
A medicago polymorpher 5	N FACU Hydrophytic Vegetation Indicators:
Hordeom murinum 7	N FACU X Dominance Test is >50%
Malua parvifolia 3	N. UPL Prevalence Index is ≤3.01
Sindum marianum 3	VPL Morphological Adaptations <sup>1</sup> (Provide supporting
3. Frankenia salina 2	data in Remarks or on a separate sheet)
66	Decklematic Hudronbutic Vegetation <sup>1</sup> (Evaluin)
Noody Vine Stratum G10 Total Cover: 0	
l	Indicators of hydric soil and wetland hydrology must     be present.
2	
Total Cover: 0	Hydrophytic Vegetation
% Bare Ground in Herb Stratum	Cruck Dresent? Voc No A
Remarks:	the sector sector state the sector
Dimensions of veyeration plots reduced	to avoid crossing regetation community and

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W-4

#### SOIL

Sampling Point:

		confirm the absence of indicators.)
Depth Matrix (inches) Color (moist) %	Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup> Texture Remarks
	7.57R-3/3 4 C	M SICLO
0-1 104R 3/1 91		
		<u> </u>
7-14 2.54 9/3 100		<u>CLo</u>
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=	=Reduced Matrix. <sup>2</sup> Location: PL=Pore I	ining, RC=Root Channel, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
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) 1 cm Muck (A9) (LRR D)	Depleted Matrix (F3) Redox Dark Surface (F6)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F6)	
Thick Dark Surface (A12)	Redox Depressions (F8)	
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)		wetland hydrology must be present.
Restrictive Layer (if present):		
Type:N/A		
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		
Soil very hard/compact. D	0	
YDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Delever le lle de la		
Primary Indicators (any one indicator is suffi	cient)	Water Marks (B1) (Riverine)
	Salt Crust (B11)	
Surface Water (A1)	Salt Crust (B11)	Sediment Deposits (B2) (Riverine)
Surface Water (A1) High Water Table (A2)	Salt Crust (B11) Biotic Crust (B12)	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> </ul>
Surface Water (A1) High Water Table (A2) Saturation (A3)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> </ul>
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> </ul>	Salt Crust (B11) Biotic Crust (B12)	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> </ul>
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> <li>Sediment Deposits (B2) (Nonriverine)</li> </ul>	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Liv</li> </ul>	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>ing Roots (C3) Thin Muck Surface (C7)</li> </ul>
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> <li>Sediment Deposits (B2) (Nonriverine)</li> <li>Drift Deposits (B3) (Nonriverine)</li> </ul>	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Liv</li> <li>Presence of Reduced Iron (C4)</li> </ul>	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>ing Roots (C3)</li> <li>Thin Muck Surface (C7)</li> <li>Crayfish Burrows (C8)</li> </ul>
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> <li>Sediment Deposits (B2) (Nonriverine)</li> <li>Drift Deposits (B3) (Nonriverine)</li> <li>Surface Soil Cracks (B6)</li> </ul>	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Liv</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Plowed</li> </ul>	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Thin Muck Surface (C7)</li> <li>Crayfish Burrows (C8)</li> <li>Soils (C6)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> <li>Sediment Deposits (B2) (Nonriverine)</li> <li>Drift Deposits (B3) (Nonriverine)</li> </ul>	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Liv</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Plowed</li> </ul>	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>ing Roots (C3)</li> <li>Thin Muck Surface (C7)</li> <li>Crayfish Burrows (C8)</li> <li>Soils (C6)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Shallow Aquitard (D3)</li> </ul>
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> <li>Sediment Deposits (B2) (Nonriverine)</li> <li>Drift Deposits (B3) (Nonriverine)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B7)</li> <li>Water-Stained Leaves (B9)</li> </ul>	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Liv</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Plowed</li> </ul>	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Thin Muck Surface (C7)</li> <li>Crayfish Burrows (C8)</li> <li>Soils (C6)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> <li>Sediment Deposits (B2) (Nonriverine)</li> <li>Drift Deposits (B3) (Nonriverine)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B7</li> <li>Water-Stained Leaves (B9)</li> </ul>	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Liv</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Plowed</li> <li>Other (Explain in Remarks)</li> </ul>	Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         ing Roots (C3)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Soils (C6)         Shallow Aquitard (D3)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Other (Explain in Remarks) No X Depth (inches):	Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         ing Roots (C3)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Soils (C6)         Shallow Aquitard (D3)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Held Observations: Surface Water Present? Yes N Water Table Present? Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed // Other (Explain in Remarks)	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>ing Roots (C3)</li> <li>Thin Muck Surface (C7)</li> <li>Crayfish Burrows (C8)</li> <li>Soils (C6)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N Water Table Present? Yes N Saturation Present? Yes N Saturation Present? Yes N	Salt Crust (B11)     Biotic Crust (B12)     Aquatic Invertebrates (B13)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres along Liv     Presence of Reduced Iron (C4)     Recent Iron Reduction in Plowed     Other (Explain in Remarks)	Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B10)         Dry-Season Water Table (C2)         ing Roots (C3)       Thin Muck Surface (C7)         Crayfish Burrows (C8)         Soils (C6)       Saturation Visible on Aerial Imagery (C9)         Shallow Aquitard (D3)         FAC-Neutral Test (D5)
Surface Water (A1)     High Water Table (A2)     Saturation (A3)     Water Marks (B1) (Nonriverine)     Sediment Deposits (B2) (Nonriverine)     Drift Deposits (B3) (Nonriverine)     Surface Soil Cracks (B6)     Inundation Visible on Aerial Imagery (B7     Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N Water Table Present? Yes N Water Table Present? Yes N Saturation Present? Yes N Saturation Present? Yes N Describe Recorded Data (stream gauge, mo	Salt Crust (B11)     Biotic Crust (B12)     Aquatic Invertebrates (B13)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres along Liv     Presence of Reduced Iron (C4)     Recent Iron Reduction in Plowed     Other (Explain in Remarks)	Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B10)         Dry-Season Water Table (C2)         ing Roots (C3)       Thin Muck Surface (C7)         Crayfish Burrows (C8)         Soils (C6)       Saturation Visible on Aerial Imagery (C9)         Shallow Aquitard (D3)         FAC-Neutral Test (D5)
Surface Water (A1)     High Water Table (A2)     Saturation (A3)     Water Marks (B1) (Nonriverine)     Sediment Deposits (B2) (Nonriverine)     Drift Deposits (B3) (Nonriverine)     Surface Soil Cracks (B6)     Inundation Visible on Aerial Imagery (B7     Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N Water Table Present? Yes N Water Table Present? Yes N Saturation Present? Yes N Saturation Present? Yes N Describe Recorded Data (stream gauge, mo	Salt Crust (B11)     Biotic Crust (B12)     Aquatic Invertebrates (B13)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres along Liv     Presence of Reduced Iron (C4)     Recent Iron Reduction in Plowed     Other (Explain in Remarks)	Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B10)         Dry-Season Water Table (C2)         ing Roots (C3)       Thin Muck Surface (C7)         Crayfish Burrows (C8)         Soils (C6)       Saturation Visible on Aerial Imagery (C9)         Shallow Aquitard (D3)         FAC-Neutral Test (D5)
Surface Water (A1)     High Water Table (A2)     Saturation (A3)     Water Marks (B1) (Nonriverine)     Sediment Deposits (B2) (Nonriverine)     Drift Deposits (B3) (Nonriverine)     Surface Soil Cracks (B6)     Inundation Visible on Aerial Imagery (B7     Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N Water Table Present? Yes N Water Table Present? Yes N Saturation Present? Yes N Saturation Present? Yes N Describe Recorded Data (stream gauge, mo	Salt Crust (B11)     Biotic Crust (B12)     Aquatic Invertebrates (B13)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres along Liv     Presence of Reduced Iron (C4)     Recent Iron Reduction in Plowed     Other (Explain in Remarks)	Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B10)         Dry-Season Water Table (C2)         ing Roots (C3)       Thin Muck Surface (C7)         Crayfish Burrows (C8)         Soils (C6)       Saturation Visible on Aerial Imagery (C9)         Shallow Aquitard (D3)         FAC-Neutral Test (D5)
High Water Table (A2)     Saturation (A3)     Water Marks (B1) (Nonriverine)     Sediment Deposits (B2) (Nonriverine)     Drift Deposits (B3) (Nonriverine)     Surface Soil Cracks (B6)     Inundation Visible on Aerial Imagery (B7     Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N Water Table Present? Yes N	Salt Crust (B11)     Biotic Crust (B12)     Aquatic Invertebrates (B13)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres along Liv     Presence of Reduced Iron (C4)     Recent Iron Reduction in Plowed     Other (Explain in Remarks)	Sediment Deposits (B2) (Riverine)     Drift Deposits (B3) (Riverine)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     ing Roots (C3) Thin Muck Surface (C7)     Crayfish Burrows (C8)     Soils (C6) Saturation Visible on Aerial Imagery (C9)     Shallow Aquitard (D3)     FAC-Neutral Test (D5)

## WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: <u>CollMsVIIVe</u> Applicant/Owner: <u>VS Powev</u>	_ City/County: <u>SDJAND</u>	Ctruming-	Sampling Date: <u>05-09-24</u> Sampling Point: <u>SP-1</u>
Investigator(s): Kaven Bach, Sidney Wells	_ Section, Township, Range: _		
Landform (hillslope, terrace, etc.):	_ Local relief (concave, conve	x, none):	Slope (%);
Subregion (LRR): Lat:	Lon	g;	Datum:
Soil Map Unit Name;		NWI classific	ation:
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes <u>/</u> No	(If no, explain in R	emarks.)
Are Vegetation, Soll, or Hydrology significant	ly disturbed? Are "Norm	al Circumstances" p	present? Yes <u> </u>
Are Vegetation, Soil, or Hydrology naturally p		explain any answe	
SUMMARY OF FINDINGS – Attach site map showin	ia samplina point locat	ons. transects	. important features. etc.

Hydrophytic Vegetation Present? Hydric Soll Present? Wetland Hydrology Present?	Yes No Yes No Yes No	Is the Sampled Area within a Wetland?	Yes No
Remarks:			

#### VEGETATION

	Absolute	Dominant	Indicator	Dominance Test worksheet:	••••••
<u>Tree Stratum</u> (Use scientific names.)		Species?			
		····•	• • • • • • • • • • • • • • • • • • • •	Number of Dominant Species That Are OBL, FACW, or FAC: (A)	
1				That Are OBL, FACW, or FAC: (A)	
2				Total Number of Dominant	
3	. <u> </u>			Species Across All Strata:	
4					
Total Cover:				Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/I	D١
Sapling/Shrub Stratum					B)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x 1 =	
4				FACW species x 2 =	
			·,	FAC species x 3 =	
5				FACU species x 4 =	
Total Cover: Herb Stratum					
1. Disticilis spicata	(05	- Y	FAC	UPL species x 5 =	
2. Salicovnia, pacifica	<u><u>u</u>D</u>	N	OBL	Column Totals: (A) (B	3)
3. Juneus Walticus	20	<u> </u>	FACIN	Prevalence Index = B/A =	
	·	-14			
4. Schoenoplectus acutus occidentalis			OBL	Hydrophytic Vegetation Indicators:	
5	<u></u>	•		Dominance Test is >50%	
6		·	L	Prevalence Index is ≤3.0 <sup>1</sup>	
7			•••••••••	Morphological Adaptations <sup>1</sup> (Provide supporting	
8				data in Remarks or on a separate sheet)	
Total Cover:	130			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
Woody Vine Stratum	4.4.1/				
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must	
2				be present.	
Total Cover:			•••••••••••••••••••••••••••••••••••••••	Hydrophytic	
		$\sim$	<b>`</b>	Vegetation	
% Bare Ground in Herb Stratum % Cover	of Biotic Ci	rust	<u>)                                    </u>	Present? Yes No	
Remarks:				I	-

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										W-5
SOIL								Sampli	ng Point:	SP-1
Profile Desc	cription: (Describe t	o the de	oth needed to docu	nent the	indicator	or confirm	n the absence of	findicators.)	j.	
Depth	Matrix		Redo	x Feature	s					
(inches)	Color (moist)	%	Color (moist)	%	<u>Type'</u>	_Loc <sup>2</sup>	Texture	• R	emarks	-
0-1	Giley 1 N 2.5/0	100	F				<u> 6i</u>			
1-6	2.543/1	100			· ·	·	<u>SiCLo</u>			
6-8	5V 4/1	93	2.54 4/4	7			Loga			
8-17	51511	90	57R 4/4	0		M/PL	510			
	· · · · · · · · · · · · · · · · · · ·				·	·				
Hydric Soil Histosol Histic E Black H Hydroge Stratifier 1 cm Mu Deplete Thick Da Sandy M	oncentration, D=Depl Indicators: (Applica (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) (LRR C uck (A9) (LRR D) d Below Dark Surface ark Surface (A12) Aucky Mineral (S1) Sleyed Matrix (S4)	ble to al		rwise not ox (S5) atrix (S6) xky Minera yed Matrix yed Matrix atrix (F3) < Surface ark Surfac ressions (	ed.) al (F1) : (F2) (F6) ce (F7)	re Lining, R	1 cm Mu 2 cm Mu Reduced Red Pare Other (E: <sup>3</sup> Indicators of	I, M=Matrix. r Problematic ck (A9) (LRR ( ck (A10) (LRR I Vertic (F18) ant Material (Th xplain in Rema hydrophytic ve ydrology must	C) B) F2) irks)	<b>r</b> and
Restrictive Type: Depth (in	Layer (if present):						Hydric Soil Pi		X	No
Remarks:	GY				-					
Wetland Hy	drology Indicators:						Seconda	ary Indicators (	2 or more	required)
Primary Indi	cators (any one indica	tor is suf	ficient)				Wat	ter Marks (B1)	(Riverine	)

Surface Water (A1)	Salt Crust (B11)	Sediment Deposits (B2)
High Water Table (A2)	Biotic Crust (B12)	Drift Deposits (B3) (Rive
Saturation (A3)	Aquatic Invertebrates (B13)	Drainage Patterns (B10)
Water Marks (B1) (Nonriverine)	X Hydrogen Sulfide Odor (C1)	Dry-Season Water Table
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Living Roots (C3)	Thin Muck Surface (C7)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Plowed Soils (C6)	Saturation Visible on Ae
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)		FAC-Neutral Test (D5)
d Observations:	11	

Water-Stained Leaves (I	B9)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present?	Yes X No Depth (inches):	
Water Table Present?	Yes <u>X</u> No <u>Depth (inches)</u> : <u>10 ''</u>	
Saturation Present? (includes capillary fringe)	Yes X No Depth (inches): SUTFACE	Wetland Hydrology Present? Yes <u>No</u> No
Describe Recorded Data (str	eam gauge, monitoring well, aerial photos, previous inspe	ctions), if available:
Remarks:		· · · · · · · · · · · · · · · · · · ·

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Surface

Sediment Deposits (B2) (Riverine)

\_\_\_\_ Saturation Visible on Aerial Imagery (C9)

\_\_\_\_ Drift Deposits (B3) (Riverine)

\_\_\_\_ Drainage Patterns (B10) \_\_\_\_ Dry-Season Water Table (C2)

#### WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: Collinsville	_ City/County:		Sampling Date: $5 - 9 - 24$
Applicant/Owner:		State:	Sampling Point: $5\rho - 2$
Investigator(s): Karenbach, Sidney Mens	_ Section, Township, Range:		
Landform (hillslope, terrace, etc.):	Local relief (concave, conve	x, none):	Slope (%):
Subregion (LRR): Lat:	Lon	g:	Datum:
Soli Map Unit Name:		NWI classific	ation:
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes <u>X</u> No	(If no, explain in R	temarks.)
Are Vegetation, Soll, or Hydrology significan	tly disturbed? Are "Norm	al Circumstances" p	present? Yes X No
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed,	explain any answe	rs in Remarks.)

#### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

ا Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No Yes No	Is the Sampled Area within a Wetland?	Yes	No
Remarks:				

#### VEGETATION

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<u>Tree Stratum</u> (Use scientific names.) G 15	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
1				Number of Dominant Species         That Are OBL, FACW, or FAC:         (A)
2				Total Number of Dominant
3			<u> </u>	Species Across All Strata: (B)
4 Total Cover.	0			Percent of Dominant Species 58% (A/B)
1. Rosa carillornica	15	$\checkmark$	FAC	Prevalence Index worksheet:
2. RUBUS ACMADEACLUS	2	N		Total % Cover of:Multiply by:
3		<u> </u>		OBL species x 1 =
4		<u>.</u> 15		FACW species x 2 =
5	<u> </u>		<u> </u>	FAC species x 3 =
Total Cover.	17			FACU species x 4 =
Herb Stratum (25)	2		Che	UPL species x 5 =
1. Festuca perennis	15		FAC	Column Totals: (A) (B)
The second state of the Second	i	-70-	encut	Prevalence Index = B/A =
4. Distichtis spirates		N	FAC	Hydrophytic Vegetation Indicators:
5. festuca myvros	80	$\overline{\mathbf{v}}$	UPL	Dominance Test is >50%
6. BROTHUS DIANDINS	3.	-2-	<u> </u>	Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8		+	L	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum Y 2151	:_107_			
1				<sup>1</sup> Indicators of hydric soll and wetland hydrology must
2				be present.
Total Cover			·	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover	of Biotic C	rust		Present? Yes No X
Remarks:				· · · · · · · · · · · · · · · · · · ·
Tree plot size reduced to avoid crossin	NG Veg	1 DP & Course	vity basi	~ 30+102 ×
	-0 <b>/11</b>			
				· · · · · · · · · · · · · · · · · · ·
US Army Corps of Engineers				Arid West – Version 11-1-2006

#### S

OIL								Sampling Po	int: <u>19-2</u>
Profile Desci	ription: (Describe	to the dept	h needed to docu	ment the i	ndicator	or confirr	n the absence of i	indicators.)	
Depth	Matrix			x Features					
(inches)	Color (moist)	- <u>%</u> -	Color (moist)	%	<u>Type<sup>1</sup></u>	_Loc <sup>2</sup>	Texture	Remark	<u> </u>
0-2	104R 2/1				,	<del></del>	Sand		
2-16	10YR 314	061					Sand		
		······································			·		·		•
	ncentration, D=Dep					e Lining, F			3
-	ndicators: (Applic	able to all L	-		ed.)			Problematic Hydi	ric Solis":
Histosol (	(A1) ipedon (A2)		Sandy Red	• •				k (A9) (LRR C)	
Black His			Stripped Ma Loamy Muc		1/54)			k (A10) (LRR B)	
	n Sulfide (A4)		Loamy Gie				Reduced Vertic (F18) Red Parent Material (TE2)		
	Layers (A5) (LRR	<b>C</b> )	Depleted M		(12)		Red Parent Material (TF2) Other (Explain in Remarks)		
	ck (A9) (LRR D)	0,	Redox Dari		F6)				
	Below Dark Surfac	o (A11)	Depleted D	•	•				
·	rk Surface (A12)		Redox Dep						
	ucky Mineral (S1)		Vernal Pool	•	0)		<sup>3</sup> Indicators of h	ydrophytic vegetat	ion and
	leyed Matrix (S4)						wetland hydrology must be present.		
	ayer (if present):						1		
Type:									V
Depth (inc	hes):						Hydric Soil Pre	sent? Yes	No
Remarks:							1		

#### HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficien	ht)	Water Marks (B1) (Riverine)
Surface Water (A1)	Salt Crust (B11)	Sediment Deposits (B2) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Drift Deposits (B3) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drainage Patterns (B10)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Livi	ng Roots (C3) Thin Muck Surface (C7)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Plowed	Soils (C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)		FAC-Neutral Test (D5)
Field Observations:	. /	
Surface Water Present? Yes No _	Depth (inches):	
Water Table Present? Yes No	X Depth (inches):	
Saturation Present? Yes <u>No</u> No _	X Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monito	ring well, aerial photos, previous inspec	tions), if available:
Remarks:		

N-5

			W-6
WETLAND DETE	RMINATION DATA FOR	RM – Arid West Region	
Project/Site: <u>Continsuine</u>	City/County:	and county	Sampling Date: <u>5-10-24</u>
100		State: CH	Sampling Point: 27 - 1
Vice & L Charles	Section, Township	o, Range: <u>500 T3N</u>	RIE
C-ald a M	Local relief (CODC	ave. convex. none):	Slope (%); ()
Subrasian (IDD) LLQC.	1at 28,0/198/	Long: _ Claboc	Datum: NADOS
Soil Man Unit Name: Varidez Silt 10am, dra	ned, 0-2%. SIOP	NWI classific	ation:/ / / /
Are climatic / hydrologic conditions on the site typical for t	his time of year? Yes	No (If no, explain in R	emarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology	_ naturally problematic?	(If needed, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	p showing sampling po	oint locations, transects	s, important features, etc.
Hydric Soil Present?     Yes       Wetland Hydrology Present?     Yes       Remarks:     Yes		Wetland? Yes	No <u>/ X</u>
VEGETATION – Use scientific names of pl		icator Dominance Test wo	rkehoot:
<u>Tree Stratum</u> (Plot size: <u>101</u> )	Absolute Dominant Ind <u>% Cover Species? St</u>		t Species
2		Total Number of Do	minant (
3		Species Across All S	Strata: (B)
4		Percent of Dominan	t Species Ø2 ·/
Sapling/Shrub Stratum (Plot size: $r = 10^{1}$ )	= Total Cover	That Are OBL, FAC	W, or FAC: $83\%$ (A/B)
1		Prevalence Index	worksheet:
2.		Total % Cover	of: Multiply by:
3.		OBL species	x 1 =
4			x 2 =
5		FAC species	x 3 =

1			Prevalence Index work	sneet:	
2.			Total % Cover of:	Multiply by:	
3			OBL species	x 1 =	1
4.			FACW species	x 2 =	
5.			FAC species	x 3 =	
	0	= Total Cover	FACU species	x 4 =	
Herb Stratum (Plot size: V= 51)			UPL species	x 5 =	
1. Lotus tenvis	5	Y FACU	Column Totals:	(A) (I	3)
2. Hordeum marinum	40	Y FAC			
3. Lolium perenne	5	N FAC	Prevalence Index	<pre>&lt; = B/A =</pre>	
4. EMMUS triticodes	2	Nº FAC	Hydrophytic Vegetati	ion Indicators:	
5. Frankenia salina	15	Y FACW	Dominance Test i	s >50%	
6. Disticulis spicata	40	Y FAC	Prevalence Index	is ≤3.0 <sup>1</sup>	
7. Polyporon monospeliensis	2	N. FACM	Morphological Ad	aptations <sup>1</sup> (Provide supporting	g
8. Sonchus olevracens	5	Y UPL	data in Remar	ks or on a separate sheet)	
	14	= Total Cover	Problematic Hydr	rophytic Vegetation <sup>1</sup> (Explain)	
Woody Vine Stratum (Plot size: 10')	14-1				
1.				soil and wetland hydrology mu	ist
2.			be present, unless di	sturbed or problematic.	
	0	= Total Cover	Hydrophytic		
h			Vegetation	X	
% Bare Ground in Herb Stratum % Cove	er of Biotic	Crust 0	Present?	Yes No	
Remarks:			L		

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Depth Matrix	h needed to document the indicator or co Redox Features	
inches) Color (moist) %	Color (moist) % Type <sup>1</sup>	c <sup>2</sup> Texture Remarks
2-2 104R 2/1 100		SiLo
2-5 107R 4/4 70 107R 4/2 30		SiClo
5-16 107R 4/4 100		SiClo
ydric Soil Indicators: (Applicable to all I Histosol (A1)	Sandy Redox (S5)	nd Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B)
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11)	<ul> <li>Stripped Matrix (S6)</li> <li>Loamy Mucky Mineral (F1)</li> <li>Loamy Gleyed Matrix (F2)</li> <li>Depleted Matrix (F3)</li> <li>Redox Dark Surface (F6)</li> <li>Depleted Dark Surface (F7)</li> </ul>	2 cm Muck (A10) (ERR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks)
_ Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Vernal Pools (F9)	wetland hydrology must be present, unless disturbed or problematic.
_ Sandy Gleyed Matrix (S4)	Vernal Pools (F9)	
_ Sandy Gleyed Matrix (S4)	Vernal Pools (F9)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Restrictive Layer (if present):	Vernal Pools (F9)	
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks:	Vernal Pools (F9)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks: //DROLOGY	Vernal Pools (F9)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4)  lestrictive Layer (if present):  Type: Depth (inches): remarks:  //DROLOGY //etland Hydrology Indicators:		unless disturbed or problematic.  Hydric Soil Present? Yes No
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks:  //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one requiredSurface Water (A1)	<u>; check all that apply)</u> Salt Crust (B11)	unless disturbed or problematic.  Hydric Soil Present? Yes No
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks:  //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one requiredSurface Water (A1)High Water Table (A2)	; check all that apply) Salt Crust (B11) Biotic Crust (B12)	unless disturbed or problematic.  Hydric Soil Present? Yes No  Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks:  //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one requiredSurface Water (A1)	<u>; check all that apply)</u> Salt Crust (B11)	unless disturbed or problematic.  Hydric Soil Present? Yes No
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks:  //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one requiredSurface Water (A1)High Water Table (A2)Saturation (A3)Water Marks (B1) (Nonriverine)Sediment Deposits (B2) (Nonriverine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Uydrogen Sulfide Odor (C1) Oxidized Rhizosphere's along Living	unless disturbed or problematic.         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Secondary Indicators (2 or more required)
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks:  //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one requiredSurface Water (A1)High Water Table (A2)Saturation (A3)Water Marks (B1) (Nonriverine)Sediment Deposits (B2) (Nonriverine)Drift Deposits (B3) (Nonriverine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Uydrogen Sulfide Odor (C1) Oxidized Rhizosphere's along Living Presence of Reduced Iron (C4)	unless disturbed or problematic.         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Secondary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drignage Patterns (B10)         3 Roots (C3) Dry-Season Water Table (C2)         Crayfish Burrows (C8)
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks:  //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one requiredSurface Water (A1)High Water Table (A2)Saturation (A3)Water Marks (B1) (Nonriverine)Sediment Deposits (B2) (Nonriverine)	<ul> <li><u>check all that apply</u></li> <li><u>Salt Crust (B11)</u></li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Wydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizosphere's along Living</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled Soils</li> </ul>	unless disturbed or problematic.         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Mater Soil Present? Yes No         Secondary Indicators (2 or more required)             Water Marks (B1) (Riverine)          Sediment Deposits (B2) (Riverine)          Drift Deposits (B3) (Riverine)          Drift Deposits (B3) (Riverine)          Drainage Patterns (B10)         3 Roots (C3)       Dry-Season Water Table (C2)          Crayfish Burrows (C8)
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks: //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Saturation (A3) Sediment Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Surface Soil Cracks (B6) 	<ul> <li><u>check all that apply</u></li> <li><u>Salt Crust (B11)</u></li> <li><u>Biotic Crust (B12)</u></li> <li><u>Aquatic Invertebrates (B13)</u></li> <li><u>Givdrogen Sulfide Odor (C1)</u></li> <li><u>Oxidized Rhizosphere's along Living</u></li> <li><u>Presence of Reduced Iron (C4)</u></li> <li><u>Recent Iron Reduction in Tilled Soils</u></li> </ul>	unless disturbed or problematic.         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Secondary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         g Roots (C3)       Dry-Season Water Table (C2)         Crayfish Burrows (C8)         s (C6)       Saturation Visible on Aerial Imagery (C9)
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks: // // // // // // // // // /	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Uydrogen Sulfide Odor (C1) Oxidized Rhizosphere's along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	unless disturbed or problematic.         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Secondary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         q Roots (C3) Dry-Season Water Table (C2)         Crayfish Burrows (C8)         s (C6) Saturation Visible on Aerial Imagery (C9)         Shallow Aquitard (D3)
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks: // // // // // // // // // /	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) iydrogen Sulfide Odor (C1) Oxidized Rhizosphere's along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	unless disturbed or problematic.         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Secondary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         q Roots (C3) Dry-Season Water Table (C2)         Crayfish Burrows (C8)         s (C6) Saturation Visible on Aerial Imagery (C9)         Shallow Aquitard (D3)
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks:  TDROLOGY  Tetland Hydrology Indicators: rimary Indicators (minimum of one required	check all that apply)	unless disturbed or problematic.         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Secondary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         q Roots (C3) Dry-Season Water Table (C2)         Crayfish Burrows (C8)         s (C6) Saturation Visible on Aerial Imagery (C9)         Shallow Aquitard (D3)
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): emarks:  //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one requiredSurface Water (A1)High Water Table (A2)Saturation (A3)Water Marks (B1) (Nonriverine)Sediment Deposits (B2) (Nonriverine)Surface Soil Cracks (B6)Inundation Visible on Aerial Imagery (B7Water-Stained Leaves (B9) ield Observations: urface Water Present? Yes N //ater Table Present? Yes	check all that apply)	unless disturbed or problematic.         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Secondary Indicators (2 or more required)              Secondary Indicators (2 or more required)              Secondary Indicators (2 or more required)
Sandy Gleyed Matrix (S4) testrictive Layer (if present): Type: Depth (inches): temarks: //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) ield Observations: urface Water Present? Yes N //ater Table Present? Yes N //ater Table Present? Yes N //aturation Present? Yes N	c. check all that apply)	unless disturbed or problematic.         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Hydric Soil Present? Yes No         Secondary Indicators (2 or more required)              Secondary Indicators (2 or more required)              Secondary Indicators (2 or more required)

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#### WETLAND DETERMINATION DATA FORM - Arid West Region

	(-1)(				-2		
	1.11			State: Sampling Point: SP - 2			
restigator(s): Karen Bach, Silver Wells Section, Township, Re							
indform (hillslope, terrace, etc.): Foodstand	Lo	cal relief (concave, o	convex, none):         Concesse         Slope (%):         5           Long:         -121.832448         Datum:         NAD 2           NWI classification:         E2E M IN				
ubregion (LRR): LLLC	Lat:8,	071965					
Dil Map Unit Name: Valder Silt Loom, 2	canul, 0-2	r. sinces					
e climatic / hydrologic conditions on the site typical for	or this time of year?	Yes _X_No_	If no, explain in Remarks	.)			
re Vegetation, Soil, or Hydrology	significantly dist	turbed? Are*	Normal Circumstances" present?	Yes X	No		
re Vegetation, Soil, or Hydrology	naturally proble	matic? (If ne	eded, explain any answers in Re	marks.)			
UMMARY OF FINDINGS – Attach site m	nap showing sa	ampling point l	ocations, transects, imp	ortant feature	es, etc		
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X Wetland Hydrology Present? Yes X	No No _ No	Is the Sampled within a Wetlar		lo			
Remarks:				1.1			
EGETATION – Use scientific names of	plants.						
	Absolute D	ominant Indicator	Dominance Test worksheet:		_		
<u>Tree Stratum</u> (Plot size: <u>r ら )</u> 1			Number of Dominant Species That Are OBL, FACW, or FAC	_ 2	_ (A)		
2			Total Number of Dominant Species Across All Strata:	2	_ (B)		
4	0=	Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC	[0]	_ (A/B)		
1			Prevalence Index worksheet				
2			Total % Cover of:				
3			OBL species				
4			FACW species	x 2 =	_		
5			FAC species				
Herb Stratum (Plot size: 1=51)	=	Total Cover	FACU species				
1. Schoenoplietus acitus ssp. occ	identalis 40	Y OBL	UPL species				
2. Tueha lahifolia	30	X OGL	Column Totals:	(A)	(B)		
3. COTUDA coronopososi,a	7	N OBL	Prevalence Index = B/A	=	_		
4. Cyperus eragostis		N FACW		cators:			
5. Alisma gramineum		NOOL	X Dominance Test is >50%				
6			Prevalence Index is ≤3.0 <sup>1</sup>				
7			Morphological Adaptation data in Remarks or on	s <sup>1</sup> (Provide supp	orting		
8	- 60 -		Problematic Hydrophytic				
Woody Vine Stratum (Plot size: <u><u></u> 5')</u>	=	Total Cover					
1			<sup>1</sup> Indicators of hydric soil and w	vetland hydrology	y must		
2			be present, unless disturbed of	or problematic.			
% Bare Ground in Herb Stratum5%		Total Cover	Hydrophytic Vegetation Present? Yes	No			
				1			
Prot Size reduced to avoid cr	ossing vegio	mmunity, we	tional end topographic	· poundar;	c3,		

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SOIL		Sampling Point: Sp - 2
	oth needed to document the indicator or co	
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Loc	c <sup>2</sup> Texture Remarks
0-6 61RU/N2.5/ 30		Sila
2.54 5/2 55	104R 4/6 15	5, 6
6-16 2.54 5/1 80	104R 3/6 20	SiC
Type: C=Concentration, D=Depletion, RM:         ydric Soil Indicators: (Applicable to all         Histosol (A1)         Histic Epipedon (A2)         Black Histic (A3)         Hydrogen Sulfide (A4)         Stratified Layers (A5) (LRR C)         1 cm Muck (A9) (LRR D)         Depleted Below Dark Surface (A11)         Thick Dark Surface (A12)         Sandy Mucky Mineral (S1)         Sandy Gleyed Matrix (S4)	<ul> <li>Reduced Matrix, CS=Covered or Coated San</li> <li>LRRs, unless otherwise noted.) <ul> <li>Sandy Redox (S5)</li> <li>Stripped Matrix (S6)</li> <li>Loamy Mucky Mineral (F1)</li> <li>Loamy Gleyed Matrix (F2)</li> <li>Depleted Matrix (F3)</li> <li>Redox Dark Surface (F6)</li> <li>Depleted Dark Surface (F7)</li> <li>Redox Depressions (F8)</li> <li>Vernal Pools (F9)</li> </ul> </li> </ul>	nd Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) <sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
strictive Layer (if present): Type:		Hydric Soil Present? Yes X No
Depth (inches): emarks: [OP layer a mix of black hi	)h orgenic meater only gray soil fro	
DROLOGY		
tland Hydrology Indicators:		
mary Indicators (minimum of one required;		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)
Water Marks (DT) (Nonitvernic)		
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Living F	
	Oxidized Rhizospheres along Living F     Presence of Reduced Iron (C4)     Recent Iron Reduction in Tilled Soils	Crayfish Burrows (C8)

\_\_\_\_ Inundation Visible on Aerial Imagery (B7)

Water-Stained Leaves (B9) Other (Explain in Remarks)		FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Water Table Present?	Yes X No Yes No	Depth (inches): <u>3</u> Depth (inches): <u>5</u>	_	
Saturation Present? (includes capillary fringe) Describe Recorded Data (st	Yes X No ream gauge, monitori	Depth (inches): <u>کی دا</u> سرط مدیک ng well, aerial photos, previous insp	_ Wetland Hydrology Present? Yes <u></u> No pections), if available:	
Remarks:				

\_\_\_\_ Thin Muck Surface (C7)

Other (Explain in Remarks)

\_\_\_\_ Shallow Aquitard (D3)

\_\_\_\_ FAC-Neutral Test (D5)

## WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Collinguille	City/County: Solano County Sampling Date: 5-10-27 State: CA Sampling Point: Sg - 3
Applicant/Owner: US POWEN	State: CA Sampling Point: Sg - 3
Investigator(s): Karen Bach, Sidney Wells	Section, Township, Range: SOD T3N RIE
Landform (hillslope, terrace, etc.): foot lone	Local relief (concave, convex, none): Signa Stope Slope (%): 5
Subregion (LRR): LRAC Lat: 3	8,071463 Long: -121.831953 Datum: NAD83
Soil Map Unit Name: Valdez Sit Dam dramed, 0-21	Signes NWI classification: EZEMIN
Are climatic / hydrologic conditions on the site typical for this time of ye	
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No Yes No	Is the Sampled Area within a Wetland?	Yes	_ No_X_
Remarks:				

#### VEGETATION

、		Dominant Species?	Status	Dominance Test worksheet: Number of Dominant Species	
1				That Are OBL, FACW, or FAC: (A)	
2				Total Number of Dominant	
3				Species Across All Strata: (B)	
4				Percent of Dominant Species	
Total Cover				That Are OBL, FACW, or FAC: 67% (A/B)	
Sapling/Shrub Stratum	8-	1	tre		
1. Rosa Californica	85		FAC	Prevalence Index worksheet:	
2. Baccharis pilvieris	10	N_	UPL	Total % Cover of: Multiply by:	
3. Rubus americas	3	_N_		OBL species x 1 =	
4				FACW species x 2 =	
5				FAC species x 3 =	
Total Cover	98			FACU species x 4 =	
Herb Stratum		./	1.1	UPL species x 5 =	
1. Distictlis spicata	10	1	FAC	Column Totals: (A) (B)	
2. Foeniculum vulgare	6	N	URL		
3. Melilotus albus	15	1	UPL	Prevalence Index = B/A =	
4. Elymon triticoides	15	N	FAC	Hydrophytic Vegetation Indicators:	
5				X Dominance Test is >50%	
6				Prevalence Index is ≤3.0 <sup>1</sup>	
7				Morphological Adaptations <sup>1</sup> (Provide supporting	
				data in Remarks or on a separate sheet)	
8	21			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
Woody Vine Stratum	21	-			
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must	
2.				be present.	
Z Total Cover	:			Hydrophytic	
% Bare Ground in Herb Stratum % Cover of Biotic Crust			Vegetation Present? Yes <u>No</u>		
Remarks:				_1	
	2				

W-4W-7
								Sampling Point: Sampling Point:
Profile Des	cription: (Describe	to the de	pth needed to docu	ment the	indicator	or confirm	m the absence	of indicators.)
Depth	Matrix			ox Feature				Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-7	104R 2/1	IDO					SiLo	
7-11	2.54 3/1	40	104R 4/4	40	С	M	50	
11-16	Gley 1 N4/0	93	104R 4/10	7	C	RC	SCLO	
	oncentration, D=Deple Indicators: (Applica					re Lining, F	RC=Root Chani Indicators	nel, M=Matrix. for Problematic Hydric Soils <sup>3</sup> :
Black Hi Hydroge Stratified 1 cm Mu Depleted Thick Da Sandy M Sandy G	bipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) (LRR C) ick (A9) (LRR D) d Below Dark Surface ark Surface (A12) lucky Mineral (S1) leved Matrix (S4)		Sandy Red Stripped M Loamy Mud Loamy Gle Depleted M Redox Darl Depleted D Redox Dep Vernal Poo	atrix (S6) cky Mineral yed Matrix latrix (F3) k Surface ( park Surfac ressions (F	(F2) F6) e (F7)		2 cm M Reduc Red Pa Other ( <sup>3</sup> Indicators	Muck (A9) (LRR C) Muck (A10) (LRR B) ed Vertic (F18) arent Material (TF2) (Explain in Remarks) of hydrophytic vegetation and hydrology must be present.
strictive L	ayer (if present); ane to 22							
	hes):						Hydric Soil	Present? Yes <u> </u>
Depth (incl marks: DROLOG	hes): GY rology Indicators:						Secon	dary Indicators (2 or more required)
Depth (incl marks: DROLOG tland Hyde mary Indica Surface W High Wate Saturation	hes): GY rology Indicators: ators (any one indicators) Vater (A1) er Table (A2)		cient) Salt Crust Biotic Crus Aquatic Inv Hydrogen S	t (B12) vertebrates			<u>Secon</u> W Se Dr Dr	
Depth (incl marks: DROLOG tland Hyde Mary Indica Surface W High Wate Saturation Water Man Sediment Drift Depos Surface So Inundation	hes): GY rology Indicators: ators (any one indicators) Vater (A1) er Table (A2) h (A3)	e) verine) e)	Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror	et (B12) vertebrates Sulfide Ode hizosphere of Reduced in Reduction	or (C1) es along l I Iron (C4 n in Plow	)	<u>Secon</u> W Se Dr Dr Dr Dr Dr Cr Cf (C6) Se St	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) rainage Patterns (B10)
Depth (incl marks: DROLOG tland Hydr mary Indica Surface W High Water Saturation Water Mar Sediment Drift Depor Surface So Inundation Water-Stai d Observa	hes): rology Indicators: ators (any one indicators) ators (any one indicators) vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverine Deposits (B2) (Nonriverine sits (B3) (Nonriverine oil Cracks (B6) n Visible on Aerial Ima ined Leaves (B9) tions:	e) verine) e)	Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Other (Exp	t (B12) vertebrates Sulfide Ode thizosphere of Reduced n Reduction lain in Ren	or (C1) es along I I Iron (C4 n in Plow narks)	)	<u>Secon</u> W Se Dr Dr Dr Dr Dr Cr Cf (C6) Se St	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) rainage Patterns (B10) y-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (CS nallow Aquitard (D3)
Depth (incl marks: DROLOG tland Hyde nary Indica Surface W High Wate Saturation Water Man Sediment Drift Depos Surface So Inundation Water-Stai	hes): rology Indicators: ators (any one indicators): ators (any one indicators): ators (A1) er Table (A2) a (A3) rks (B1) (Nonriverine Deposits (B2) (Nonriverine oil Cracks (B6) a Visible on Aerial Ima ined Leaves (B9) tions: Present? Yes	e) verine) e) gery (B7)	Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror	t (B12) vertebrates Sulfide Odd hizosphere of Reduced n Reduction lain in Ren	or (C1) es along I I Iron (C4 n in Plow narks)	)	<u>Secon</u> W Se Dr Dr Dr Dr Dr Cr Cf (C6) Se St	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) rainage Patterns (B10) y-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (CS nallow Aquitard (D3)

Remarks: Large drift deposits; may be from storm surges from the Detta Ba large logs and debris buried under shrubby vegetation, NO signs of recent or frequent deposition observed within sample area.

WETLAND DETERMINATI	ON DATA FORM – Arid West Region $[W-6/W-7]$
	City/County: <u>Solund Comp</u> Sampling Date: <u>5-10-24</u>
Applicant/Owner: LS POWER Investigator(s): Karlo Buch, Silhey Wells	Section, Township, Range: SOD T3N RIE
Landform (hillslope, terrace, etc.): bern/mi) terrace	Local relief (concave, convex, none): Slope (%):
Soil Map Unit Name: Value C. H 106M. 2000 0	8.071301 Long: -121.831692 Datum: NADOS -27, stores NWI classification: 62EMIN
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pr	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes		Is the Sampled Area within a Wetland?	Yes	No X	
Remarks: Located on a raided, ory	bern b	ctween him to	he line and wetlin	) to the nor	th.	

	Absolute	Dominant		Dominance Test worksheet:	
		Species?	Status	Number of Dominant Species	
1				That Are OBL, FACW, or FAC:	_ (A)
2				Total Number of Dominant 3	1.22
3				Species Across All Strata:	_ (B)
4 Sapling/Shrub Stratum Y=10 <sup>1</sup> Total Cover:	0			Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B)
1. Rosa Californica	20	Y	FAC	Prevalence Index worksheet:	
2. Baccharis piwaris	15	Y	UPL	Total % Cover of: Multiply by:	
3. RUGUS Ormaniaceus	10	N		OBL species x 1 =	
4.				FACW species x 2 =	
5.				FAC species x 3 =	
. Total Cover	45			FACU species x 4 =	
Herb Stratum (=5		. 1		UPL species x 5 =	
1. Foeniculum vulgare	30	1	JPL	Column Totals: (A)	
2. Raphanes Satist	2	N			
3. Rumex crupus	2	N		Prevalence Index = B/A =	
4. Elymonstrikicoided	3	N		Hydrophytic Vegetation Indicators:	
5. Juneus baltices	2	N		Dominance Test is >50%	
6. Helenotheca granditiona	_	N		Prevalence Index is ≤3.0 <sup>1</sup>	
7. Distichnis spiceta	1	N		Morphological Adaptations <sup>1</sup> (Provide sup data in Remarks or on a separate she	porting et)
8				Problematic Hydrophytic Vegetation <sup>1</sup> (Ex	
Woody Vine Stratum (=10) Total Cover	- 41	-			
				<sup>1</sup> Indicators of hydric soil and wetland hydrolo	av must
1				be present.	
2 Total Cover				Hydrophytic	
% Bare Ground in Herb Stratum % Cover		Crust		Vegetation Present? Yes No	_
Remarks: Ver plous reduced in size to avoid a	ציינצטי	wetten	9. 40.	community, and tolography bou	nderie).

								Sampling Point: $5p-4$
SOIL Brofile Deer				and the li	adicator	or confirm	the absence	
Depth	cription: (Describe	to the dep		ox Features		or comm	the absence	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-						1	Losa	
0-7	10 YR 2/1	100						
7-13	2.57 3/2	97	10YR 3/4	3	C	M	Ba	
13-17	2.54 4/1	60	2.54 4/3	40	_C	M/PL	Salo	
	Dincentration, D=Dep	lotion DM	-Reduced Matrix		PI =Po	re Linina. R	C=Root Chan	nel, M=Matrix.
	ndicators: (Application					io Liniig, i	Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histosol Histic Ep Black His Hydroge Stratified 1 cm Mu Depleted Thick Da Sandy M	(A1) bipedon (A2)	C)	Sandy Red Stripped M Loamy Mu Loamy Gle Depleted M Redox Dar Depleted D	lox (S5) latrix (S6) cky Mineral yed Matrix Matrix (F3) k Surface ( Dark Surface pressions (F	(F1) (F2) F6) e (F7)		2 cm M Reduc Red Pa Other ( <sup>3</sup> Indicators	Muck (A9) (LRR C) Muck (A10) (LRR B) ed Vertic (F18) arent Material (TF2) (Explain in Remarks) of hydrophytic vegetation and hydrology must be present.
Restrictive L	ayer (if present):		-					
Туре:								$\sim$
Depth (inc	:hes):						Hydric Soil Present? Yes No	
	Irology Indicators:							idary Indicators (2 or more required)
Primary Indica	ators (any one indication	ator is suffi						/ater Marks (B1) (Riverine)
High Wat Saturatio Water Ma Sediment Drift Depo Surface S Inundatio	Water (A1) ter Table (A2) n (A3) arks (B1) (Nonriveri t Deposits (B2) (Nor osits (B3) (Nonriver Soil Cracks (B6) n Visible on Aerial Ir ained Leaves (B9)	nriverine) ine)		st (B12) wertebrates Sulfide Od Rhizospher of Reduced	or (C1) es along d Iron (C on in Plo		D D ts (C3) T C C6) S	ediment Deposits (B2) ( <b>Riverine</b> ) rift Deposits (B3) ( <b>Riverine</b> ) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) trayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Field Observ	ations:							
Surface Wate Nater Table F	r Present? Ye	es I		iches): iches):				
Saturation Pre	esent? Ye illary fringe)	es N	No X Depth (in	ches):		Wetla		y Present? Yes No
Describe Rec	orded Data (stream	gauge, mo	nitoring well, aerial	photos, pre	evious in	spections),	if available:	
Remarks:	a actual de actu	K MO	Secure 1 100	56 105.	trash	ex) o	resent wi	thin sumpe area,
Seen to	be the result	or stor	m singes NO	evidnu	- 0f	fregunt	Irecht	thin sumper area, drift deposits present
th this	area.							

	W-6/=
WETLAND DETERMIN	IATION DATA FORM – Arid West Region
Applicant/Owner: Us Power Investigator(s): Staney Wells, Kaven bach	City/County: <u>SOLMO</u> COUNTY Sampling Date: <u>06-03-24</u> State: <u>CA</u> Sampling Point: <u>SP -5</u> Section, Township, Range: <u>SOD</u> T3N R K
Landform (hillslope, terrace, etc.): <u>Footslope</u> Subregion (LRR): <u>LFFC</u> Lat:	Local relief (concave, convex, none): <u>Slope</u> Slope (%): <u>3</u> 38.070948 Long: <u>-121.830918</u> Datum: <u>NA083</u>
Soil Map Unit Name: <u>Valde Z Sitt IOAM</u> , <u>drahed</u> , O- Are climatic / hydrologic conditions on the site typical for this time Are Vegetation, Soil, or Hydrology significa Are Vegetation, Soil, or Hydrology natural	2'1. Stopes       NWI classification: <u>E2EM\N</u> of year? Yes       No (If no, explain in Remarks.)         antly disturbed?       Are "Normal Circumstances" present? Yes No
Hydrophytic Vegetation Present?       Yes No         Hydric Soil Present?       Yes No         Wetland Hydrology Present?       Yes No	<pre>     Is the Sampled Area     within a Wetland? Yes No     </pre>
Remarks: Slight Upimd Slope at toeslope at hill to	the north
VEGETATION	

Tree Stratum (Use scientific names.) (= 15'		Dominant Species?	Status	Dominance Test worksheet:           Number of Dominant Species           That Are OBL, FACW, or FAC:	)
2 3				Total Number of Dominant Species Across All Strata:	)
4 Sapling/Shrub Stratum F= 161 Total Cover.				Percent of Dominant Species /00 (AV	/B)
1. Rosa californica		_Y_	FAC	Prevalence Index worksheet: Total % Cover of: Multiply by:	
23.				OBL species         x 1 =	
4				FACW species x 2 =	
5				FAC species x 3 =	
Herb Stratum V= 5 <sup>1</sup> Total Cover:	40			FACU species x 4 =	
	5	N	DBL	UPL species x 5 =	
1. Lathynis jepson 11 2 Dispensis spicata	20	V	FAC	Column Totals: (A) (E	B)
3 Xanthium strumanium	0	N	FAC	Prevalence Index = B/A =	
4. RUMEX Crispus	2.	N	FAC	Hydrophytic Vegetation Indicators:	-
5. Helminthotheca echioides	5	N	FAC	Dominance Test is >50%	
6				Prevalence Index is ≤3.0 <sup>1</sup>	
7				Morphological Adaptations <sup>1</sup> (Provide supporting	
8				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
Total Cover:	94				
Woody Vine Stratum V=15				<sup>1</sup> Indicators of hydric soil and wetland hydrology must	
1				be present.	1
2 Total Cover:				Hydrophytic	
()	of Biotic Cr	0		Vegetation Present? Yes No	
Remarks:					_

### SOIL

	c.n	i.
0- " D-1-	.31-5	
Sampling Poin	r: • •	

Depth Matrix			Redox Features			
(inches)	Color (moist)	%	Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup>		Remarks
0-9	10 YR 4/3	100			Sa	
9-10	10 YR 2/1	100			1050	
10-14	10 YR 3/2	100			Siclo	
			Reduced Matrix. <sup>2</sup> Location: PL=Pore	e Lining, I		
		able to all	LRRs, unless otherwise noted.)		Indicators for F	Problematic Hydric Soils <sup>3</sup> :
_ Histosol			Sandy Redox (S5)		1 cm Muck	
	pipedon (A2)		Stripped Matrix (S6)			(A10) (LRR B)
Black Hi	stic (A3) In Sulfide (A4)		Loamy Mucky Mineral (F1)		Reduced Ve	
	Layers (A5) (LRR (		Loamy Gleyed Matrix (F2)			Material (TF2)
	ck (A9) (LRR D)	.)	Depleted Matrix (F3)		Other (Expl	ain in Remarks)
	Below Dark Surface	e (A11)	Redox Dark Surface (F6) Depleted Dark Surface (F7)			
	irk Surface (A12)	e (riii)	Redox Depressions (F8)			
	lucky Mineral (S1)		Vernal Pools (F9)		<sup>3</sup> Indicators of hy	drophytic vegetation and
	leyed Matrix (S4)					ology must be present.
strictive L	ayer (if present):				included hydro	orogy must be present.
Type:	none					
Depth (inc	:hes):O				Hydric Soil Pres	ent? Yes No
emarks:					riyano con ries	
DDD1 -						
DROLOG						
etland Hyd	rology Indicators:				Secondary	Indicators (2 or more required)

Primary Indicators (any one indicator is sufficient)	Crayfish Burrows (C8)
Surface Water Present? Yes No Depth (inches):	

US Army Corps of Engineers

Project/Site:	City/County: Soluno County Sampling Date: 6-4-24
Applicant/Owner: LS POWE	State: CA Sampling Point: SP-6
Investigator(s): Kacen Bach Silner Vells	Section, Township, Range: SOO T3N RIE
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none): <u>flut</u> Slope (%): <u>0</u>
Subregion (LRR): Lat: Lat:	38.071301 Long: -121,831849 Datum: MAD83
Soil Map Unit Name: Valdez Silt 10am, drained, O.	NWI classification: <u>E2EMIN</u>
Are climatic / hydrologic conditions on the site typical for this time of ye	year? Yes X No (If no, explain in Remarks.)
	ly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr	oroblematic? (If needed, explain any answers in Remarks.)
	I'm shat he atting transports important features at

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No Yes No	Is the Sampled Area within a Wetland?	Yes No
Remarks:			

## VEGETATION

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Use scientific names.) $Y = 10^{\circ}$	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC	3	(A)
2				Total Number of Dominant	3	
3				Species Across All Strata:		(B)
4 Total Cover	0			Percent of Dominant Species That Are OBL, FACW, or FAC	60)	(A/B)
Sapling/Shrub Stratum 1510	0	1	C I			
1. Sesbania punicea			FACIN	Prevalence Index worksheet		
2				Total % Cover of:		
3				OBL species		
4				FACW species		
5				FAC species		
Total Cover				FACU species	x 4 =	_
Herb Stratum r= 5	00	V	001	UPL species	x 5 =	<u> </u>
1. potentilla anserina ssp. pacifica	20		CAGE -	Column Totals:	(A)	(B)
2. Junius mexicant	-75	-1-+	TICW			
3. Hydrocotyle verticulata			OBL	Prevalence Index = B/A		_
4. plantago lanceolata	3	N	FAC	Hydrophytic Vegetation Ind		
5. Distichiis spiceton	10	N	FAC	_X Dominance Test is >50%		
6. Schoenopiectus acutus var. occidentatis	2	N	OBL	Prevalence Index is ≤3.0		
7				Morphological Adaptation data in Remarks or or		
8	07			Problematic Hydrophytic	Vegetation <sup>1</sup> (Exp	lain)
Woody Vine Stratum V= 10 <sup>1</sup> Total Cover.	0/					
				<sup>1</sup> Indicators of hydric soil and y	wetland hydrology	/ must
1				be present.		
2				Hydrophytic		
Total Cover:				11	c	
% Bare Ground in Herb Stratum 15 % Cover	of Biotic C	rust	)	Present? Yes /	No	-
Remarks:						

W-6

	ription: (Describe	to the dep				or confirm	the absence	of indicators.)
epth nches)	Color (moist)	%	Color (moist)	lox Feature: %	s Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
)-2.5	2.543/2	al	7.548 4/6		C	AP4	SaC	
	2.5 72	- 18	112   + 110					· · · · · · · · · · · · · · · · · · ·
,5-6,5	GleyIN4/	92	104R 46	8	С	W	Salo	
5-9.5	Giley 2 N 5/	90	104R 3/6	10	C	MPL	С	
.5-13.5	544/1	50	10YR4/b	10	C	M	Sa	
5-18.5	aley IN 4/	92	104R 5/6	8	С	MPL/RC	SICL	
	oncentration, D=De	pletion RM		<sup>2</sup> Location	n: PL=P	ore Lining. F	RC=Root Cha	nnel, M=Matrix.
Black H Hydroge Stratifie 1 cm Me Deplete	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) (LRR uck (A9) (LRR D) d Below Dark Surfa ark Surface (A12)		Loamy M Loamy G Depleted Redox D Depleted Redox D	Matrix (S6) lucky Minera sleyed Matrix I Matrix (F3) ark Surface I Dark Surfa epressions	(F2) (F6) (F6)		Redu Red Othe	Muck (A10) (LRR B) uced Vertic (F18) Parent Material (TF2) er (Explain in Remarks)
	Mucky Mineral (S1)		Vernal P	ools (F9)				rs of hydrophytic vegetation and
_ Sandy (	Gleyed Matrix (S4)		Vernal P	ools (F9)				rs of hydrophytic vegetation and nd hydrology must be present.
_ Sandy (	Gleyed Matrix (S4) Layer (if present):		Vernal P	ools (F9)				
Sandy ( Restrictive Type:	Gleyed Matrix (S4)         Layer (if present):         //A       10         2011		Vernal P	ools (F9)			wetla	nd hydrology must be present.
_ Sandy (	Gleyed Matrix (S4)         Layer (if present):         //A       10         2011		Vernal P	ools (F9)			wetla	
Sandy ( Restrictive Type: Depth (in Remarks: YDROLC Vetland Hy Primary Ind Surface High W Saturat Sedime X Drift De Surface Sedime X Inundation	Gleyed Matrix (S4)         Layer (if present):         //A       +0       20       ////////////////////////////////////	s: icator is si icator icator is si icator icator i icator i i i i i i i i i i i i i i i i i i i	ufficient) Salt Cl Biotic ( Aquati Hydrog e) Oxidiz Presei Recen	rust (B11) Crust (B12) c Invertebra gen Sulfide	ates (B13 Odor (C heres alc iced Iron ction in F	1) ong Living R (C4) Plowed Soil:	wetlan Hydric So Se Soots (C3)	condary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Saturation Visible on Aerial Imagery (C3)         Shallow Aquitard (D3)
Sandy ( estrictive Type: Depth (in emarks: //DROLC /etland Hy rimary Ind Surface High W Saturat Sedime Xaturat Sedime Xaturat Surface Surface Surface Surface Surface	Gleyed Matrix (S4) Layer (if present): //A +0 2011 icches): DGY drology Indicators iccators (any one ind a Water (A1) a ter Table (A2) ion (A3) Marks (B1) (Nonrive ent Deposits (B2) (No eposits (B3) (Nonrive esoil Cracks (B6) tion Visible on Aeria Stained Leaves (B9)	s: icator is si onriverin verine) I Imagery )	ufficient) Salt Ct Biotic Aquati Hydrog e)Oxidiz Preset Recen (B7)Other	rust (B11) Crust (B12) c Invertebra gen Sulfide ed Rhizosp nce of Redu ti Iron Redu (Explain in	ates (B13 Odor (C heres ald iced Iron ction in F Remarks	1) ong Living R (C4) Plowed Soil: ;)	wetlan Hydric So Se Soots (C3)	condary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drinage Patterns (B10)         Dry-Season Water Table (C2)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Saturation Visible on Aerial Imagery (C2)
Sandy ( estrictive Type: Depth (in emarks: //DROLC // // // // // // // // // /	Gleyed Matrix (S4) Layer (if present): //A +0 2011 icches): DGY drology Indicators iccators (any one ind a Water (A1) a ter Table (A2) ion (A3) Marks (B1) (Nonrive ent Deposits (B2) (No eposits (B3) (Nonrive esoil Cracks (B6) tion Visible on Aeria Stained Leaves (B9)	s: icator is si ionriverin verine) Il Imagery ) Yes X	ufficient) Salt Cl Biotic ( Aquati Hydrog e) Oxidiz Presei Recen (B7) Other	rust (B11) Crust (B12) c Invertebra gen Sulfide ed Rhizosp nce of Redu tt Iron Redu (Explain in h (inches):	ates (B13 Odor (C heres alc uced Iron ction in F Remarks	1) ong Living R (C4) Plowed Soil: ;)	wetlan Hydric So Se Soots (C3)	condary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Saturation Visible on Aerial Imagery (C         Shallow Aquitard (D3)
Sandy ( lestrictive Type: Depth (in lemarks: YDROLC Yetland Hy Primary Ind Surface High W Saturat Sedime X Drift De Surfac	Gleyed Matrix (S4) Layer (if present): //A +0 2011 inches): OGY odrology Indicators icators (any one ind water (A1) fater Table (A2) ion (A3) Marks (B1) (Nonrive ent Deposits (B2) (Nonrive esoil Cracks (B6) tion Visible on Aeria Stained Leaves (B9) rvations:	s: icator is si onriverin verine) Il Imagery ) Yes <u>X</u> Yes <u>X</u>	ufficient) Salt Cl Biotic ( Aquati Hydrog e) Oxidiz Presei Recer (B7) Other No Depti No Depti	rust (B11) Crust (B12) c Invertebra gen Sulfide ed Rhizosp nice of Redu it Iron Redu (Explain in h (inches): h (inches):	ates (B13 Odor (C heres ald iced Iron ction in F Remarks	1) ong Living R (C4) Plowed Soil: ;)	wetlan Hydric So See Soots (C3)	condary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drinage Patterns (B10)         Dry-Season Water Table (C2)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Saturation Visible on Aerial Imagery (Ci         Shallow Aquitard (D3)         FAC-Neutral Test (D5)
Sandy Cestrictive Type: _A Depth (in emarks: <b>DROLC</b> <b>Vetland Hy</b> rimary Ind Surface High W Saturat Water I Sedime Surface Unift De Surface Unift De Surface Unift De Surface Unift De Surface Unift De Surface Unift De Surface Surface Unift De Surface Surface Unift De Surface Surface Unift De Surface Unift De Surface Surface Unift De Surface Unift De Surface Surface Unift De Surface Unift De Surface Unift De Surface Unift De Surface Unift De Surface Surface Unift De Surface Unift De Surface	Gleyed Matrix (S4) Layer (if present): //A +0 2011 inches): DGY rdrology Indicators icators (any one ind a Water (A1) later Table (A2) ion (A3) Marks (B1) (Nonrive ent Deposits (B2) (Norrive ent Deposits (B3) (Norrive estimated Leaves (B9) rvations: atter Present? e Present? Present? apillary fringe)	s: icator is si onriverin rerine) Il Imagery ) Yes Yes Yes	ufficient) Salt Cl Biotic ( Biotic ( Aquati Hydrog e) Oxidiz Presel Recer (B7) Other No Dept No Dept No Dept	rust (B11) Crust (B12) c Invertebra gen Sulfide ed Rhizosp nce of Redu at Iron Redu (Explain in h (inches): _ h (inches): _ h (inches): _	ates (B13 Odor (C heres alc iced Iron ction in F Remarks	1) ong Living R (C4) Plowed Soil: ;)	wetland Hydric So Se Soots (C3)	condary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Saturation Visible on Aerial Imagery (C         Shallow Aquitard (D3)         FAC-Neutral Test (D5)
Sandy ( estrictive Type: Depth (in temarks: //DROLC //UROL	Gleyed Matrix (S4) Layer (if present): LA + 0 2011 A + 0 2011	s: icator is si onriverin verine) Il Imagery ) Yes Yes Yes	ufficient) Salt Cl Biotic ( Biotic ( Aquati Hydrog e) Oxidiz Presel Recer (B7) Other No Dept No Dept No Dept	rust (B11) Crust (B12) c Invertebra gen Sulfide ed Rhizosp nce of Redu at Iron Redu (Explain in h (inches): _ h (inches): _ h (inches): _	ates (B13 Odor (C heres alc iced Iron ction in F Remarks	1) ong Living R (C4) Plowed Soil: ;)	wetland Hydric So Se Soots (C3)	condary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         Saturation Visible on Aerial Imagery (C         Shallow Aquitard (D3)         FAC-Neutral Test (D5)

Project/Site: Collinsville	City/County: Soland County	Sampling Date: 6/3/24
Applicant/Owner: LS Power	State:	CA Sampling Point: SP-1
Investigator(s): Koron Bach, Sidney Well	Section, Township, Range: SOT.	SNRIE
Landform (hillslope, terrace, etc.): +001000	Local relief (concave, convex, none): _(	
	at: 38.071350 Long: -121.5	
Soil Map Unit Name: Valdez Sit 100m, dainal, 0-2		classification: <u>E2EMIN</u>
Are climatic / hydrologic conditions on the site typical for this tin	ie of year? Yes X No (If no, exp	plain in Remarks.)
	ficantly disturbed? Are "Normal Circums"	tances" present? Yes X No
Are Vegetation, Soil, or Hydrology natu		ny answers in Remarks.)

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u> </u>	Is the Sampled Area within a Wetland?	: Yes <u> </u>	
Remarks: I Julated wetlend Separate	ed from constitute by up	icad bern		

VEGETATION

Tree Stratum (Use scientific names.) ( 15	Absolute	Dominant Species?		Dominance Test worksh		
				Number of Dominant Spe That Are OBL, FACW, or		(A)
2						
3				Total Number of Dominan Species Across All Strata	-	(B)
4.						(0)
Sapling/Shrub Stratum (= 15) Total Cover	. 0			Percent of Dominant Spe That Are OBL, FACW, or	FAC: 100	7. (A/B)
1. Losa californica	3	Y	FAC	Prevalence Index works	sheet:	
2				Total % Cover of:	Multiply	oy:
3.				OBL species	x 1 =	
4				FACW species		
5				FAC species		
Total Cause	. 3			FACU species		
Herb Stratum (=5)		- ,		UPL species		
1. Cotula coronopololia	20	Y	OBL	Column Totals:		
2. Tupha annustipita	4	N	OBL			(9/
3. Lodwigia Peoloides	25	Y_	OBL	Prevalence Index	= B/A =	
4. Scoenopiectus acutus	15	¥.	OBL	Hydrophytic Vegetatio	n Indicators:	
5. Cyperus eragrostis	5	N	FACW	Dominance Test is	>50%	
6				Prevalence Index is	≤3.0 <sup>1</sup>	
7				Morphological Adap	otations <sup>1</sup> (Provide :	supporting
8	_			data in Remarks	or on a separate	sheet)
Woody Vine Stratum (= 15) Total Cove	r: 69	_		Problematic Hydror	ohytic Vegetation <sup>1</sup>	(Explain)
1				<sup>1</sup> Indicators of hydric soil	and wetland hydr	ology must
				be present.		
2 Total Cove				Hydrophytic Vegetation	×	
% Bare Ground in Herb Stratum 45 % Cove	er of Biotic	Crust 2	-	Present? Ye	s <u> </u>	
Remarks:						

N-7

		o to the de		x Featur		or comm	m the absence of in	luicators.)
Depth (inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks
0-7.	10412 3/1	99	7.51R4/6		C	M	<u>Clo</u> _	
7-8	2.54 3/1	95	2.54 4/4	5	C	M	Salo	
8-9.5	25 1 3/1	90	7.54P 3/4	10	C	M	LoSa.	
9.5-Lb	54 4/2	93	104R 4/4	1	С	$\mathcal{M}$	SiCLo	
						e Lining, I	RC=Root Channel, M	
ydric Soil I	ndicators: (Applic		LRRs, unless other	wise not		e Lining, I	Indicators for P	Problematic Hydric Soils <sup>3</sup>
ydric Soil I Histosol	ndicators: (Applic (A1)		LRRs, unless other	wise not x (S5)		e Lining, I	Indicators for P	Problematic Hydric Soils <sup>3</sup> (A9) (LRR C)
ydric Soil I Histosol	ndicators: (Applic (A1) ipedon (A2)		LRRs, unless other Sandy Redo Stripped Mat	wise not x (S5) trix (S6)	ted.)	e Lining, I	Indicators for P	Problematic Hydric Soils <sup>3</sup> (A9) (LRR C) (A10) (LRR B)
ydric Soil I Histosol Histic Ep Black His Hydroger	ndicators: (Applic (A1) ipedon (A2) tic (A3) n Sulfide (A4)	cable to all	LRRs, unless other	wise not x (S5) trix (S6) xy Minera	ted.) al (F1)	e Lining, I	Indicators for F 1 cm Muck 2 cm Muck Reduced Ve	Problematic Hydric Soils <sup>3</sup> (A9) (LRR C) (A10) (LRR B)
ydric Soil I Histosol Histic Ep Black His Hydroger Stratified	ndicators: (Applic (A1) ipedon (A2) ttic (A3) n Sulfide (A4) Layers (A5) (LRR (	cable to all	LRRs, unless other Sandy Redo Stripped Mar Loamy Muck	wise not x (S5) trix (S6) xy Minera ed Matrix	ted.) al (F1)	e Lining, I	Indicators for F 1 cm Muck 2 cm Muck Reduced Ve Red Parent	Problematic Hydric Soils <sup>3</sup> (A9) (LRR C) (A10) (LRR B) ertic (F18)
ydric Soil I Histosol Histic Ep Black His Hydroger Stratified 1 cm Muc	ndicators: (Applic (A1) ipedon (A2) ttic (A3) n Sulfide (A4) Layers (A5) (LRR 0) ck (A9) (LRR D)	cable to all	LRRs, unless other Sandy Redo Stripped Mai Loamy Muck Loamy Gleye Depleted Mai Redox Dark	wise not x (S5) trix (S6) xy Minera ed Matrix atrix (F3) Surface	al (F1) (F2) (F6)	e Lining, I	Indicators for F 1 cm Muck 2 cm Muck Reduced Ve Red Parent	Problematic Hydric Soils <sup>3</sup> (A9) (LRR C) (A10) (LRR B) ertic (F18) Material (TF2)
ydric Soil I Histosol Histic Ep Black His Hydroger Stratified 1 cm Muc Depleted	ndicators: (Applic (A1) ipedon (A2) tic (A3) n Sulfide (A4) Layers (A5) (LRR 0) Sk (A9) (LRR D) Below Dark Surfac	cable to all	LRRs, unless other Sandy Redo Stripped Mai Loamy Muck Loamy Gleye Depleted Ma Redox Dark Depleted Da	wise not x (S5) trix (S6) xy Minera ed Matrix trix (F3) Surface rk Surface	eed.) al (F1) (F2) (F6) xe (F7)	e Lining, I	Indicators for F 1 cm Muck 2 cm Muck Reduced Ve Red Parent	Problematic Hydric Soils <sup>3</sup> (A9) (LRR C) (A10) (LRR B) ertic (F18) Material (TF2)
ydric Soil I Histosol Histic Ep Black His Hydroger Stratified 1 cm Muc Depleted Thick Dar	ndicators: (Applic (A1) ipedon (A2) ttic (A3) n Sulfide (A4) Layers (A5) (LRR 0) Ek (A9) (LRR D) Below Dark Surfac k Surface (A12)	cable to all	LRRs, unless other Sandy Redo Stripped Mai Loamy Muck Loamy Gleye Depleted Mai Redox Dark Depleted Da Redox Depreted Da	wise not x (S5) trix (S6) xy Minera ed Matrix trix (F3) Surface rk Surfac essions (	eed.) al (F1) (F2) (F6) xe (F7)	e Lining, I	Indicators for F 1 cm Muck 2 cm Muck Reduced Ve Red Parent Other (Expla	Problematic Hydric Soils <sup>3</sup> (A9) (LRR C) (A10) (LRR B) ertic (F18) Material (TF2) ain in Remarks)
ydric Soil I Histosol Histic Ep Black His Hydroger Stratified 1 cm Muc Depleted Thick Dar Sandy Mu	ndicators: (Applic (A1) ipedon (A2) tic (A3) n Sulfide (A4) Layers (A5) (LRR 0) Sk (A9) (LRR D) Below Dark Surfac	cable to all	LRRs, unless other Sandy Redo Stripped Mai Loamy Muck Loamy Gleye Depleted Ma Redox Dark Depleted Da	wise not x (S5) trix (S6) xy Minera ed Matrix trix (F3) Surface rk Surfac essions (	eed.) al (F1) (F2) (F6) xe (F7)	e Lining, I	Indicators for F 1 cm Muck 2 cm Muck Reduced Ve Red Parent Other (Expla <sup>3</sup> Indicators of hyd	Problematic Hydric Soils <sup>3</sup> (A9) (LRR C) (A10) (LRR B) ertic (F18) Material (TF2) ain in Remarks)
lydric Soil I Histosol Histic Ep Black His Hydroger Stratified 1 cm Muc Depleted Thick Dar Sandy Mu Sandy Glo	ndicators: (Applic (A1) ipedon (A2) ttic (A3) n Sulfide (A4) Layers (A5) (LRR 0) Ealow Dark Surfac k Surface (A12) ucky Mineral (S1)	cable to all	LRRs, unless other Sandy Redo Stripped Mai Loamy Muck Loamy Gleye Depleted Mai Redox Dark Depleted Da Redox Depreted Da	wise not x (S5) trix (S6) xy Minera ed Matrix trix (F3) Surface rk Surfac essions (	eed.) al (F1) (F2) (F6) xe (F7)	e Lining, I	Indicators for F 1 cm Muck 2 cm Muck Reduced Ve Red Parent Other (Expla <sup>3</sup> Indicators of hyd	Problematic Hydric Soils <sup>3</sup> (A9) (LRR C) (A10) (LRR B) ertic (F18) Material (TF2) ain in Remarks)
Hydric Soil I Histosol Histic Ep Black His Hydroger Stratified 1 cm Muc Depleted Thick Dar Sandy Mu Sandy Glo	ndicators: (Applic (A1) ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) (LRR 0) Below Dark Surfac k Surface (A12) ucky Mineral (S1) eyed Matrix (S4) ayer (if present):	cable to all	LRRs, unless other Sandy Redo Stripped Mai Loamy Muck Loamy Gleye Depleted Mai Redox Dark Depleted Da Redox Depreted Da	wise not x (S5) trix (S6) xy Minera ed Matrix trix (F3) Surface rk Surfac essions (	eed.) al (F1) (F2) (F6) xe (F7)	e Lining, I	Indicators for F 1 cm Muck 2 cm Muck Reduced Ve Red Parent Other (Expla <sup>3</sup> Indicators of hyd	Problematic Hydric Soils <sup>3</sup> (A9) (LRR C) (A10) (LRR B) ertic (F18) Material (TF2) ain in Remarks)

# HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient)	Water Marks (B1) (Riverine)
	4) Crayfish Burrows (C8)
Field Observations:         Surface Water Present?       Yes No Depth (inches):         Water Table Present?       Yes No Depth (inches):         Saturation Present?       Yes No Depth (inches):         Gincludes capillary fringe)       Yes No         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous instance)	Wetland Hydrology Present? Yes <u>&gt;</u> No
Remarks: Large woody debris and drift dep sv rges rather than regular tide.	posits likely from storm

Project/Site: Coninsuine	City/County: Joland (oun+y Sampling Date: 6-3	-24
Applicant/Owner: LS Power	State: CA Sampling Point: SP -1	
Investigator(s): Karen Bach, Sidney Wers	Section, Township, Range: SOO T3N RIE	
Landform (hillslope, terrace, etc.):	_ Local relief (concave, convex, none): Slope (%):	
Subregion (LRR): LARC Lat:	38.070911 Long: -121,830671 Datum: NA	083
Soil Map Unit Name: Valdez Silt 10am, Drained, 0-2	1. Stoped NWI classification: E2EMIA	/
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes No (If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Normal Circumstances" present? Yes X No.	_
Are Vegetation, Soil, or Hydrology naturally pr	roblematic? (If needed, explain any answers in Remarks.)	

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No Yes No	Is the Sampled Area within a Wetland?	Yes	No	
Remarks: Small isolate) deprosion sco	arated from by deita bu	uplan) berm.			

### VEGETATION

o	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Use scientific names.) r= 15 <sup>1</sup> 1		Species?	Contraction of the second s	Number of Dominant Species That Are OBL, FACW, or FAC:2	(A)
2				Total Number of Dominant	
3					(B)
4					
Sapling/Shrub Stratum アニン	0		1.	Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x 1 =	
4.			1	FACW species x 2 =	
5				FAC species x 3 =	
Total Cover	0			FACU species x 4 =	
Herb Stratum Y=S	10	1	6.	UPL species x 5 =	
1. Diutichiu spicaten	70	_1	FAC	Column Totals: (A)	(B)
2. Salicornia Pacifica	40	1	OBL		
3. Atripex prostrata	2	N	FACW	Prevalence Index = B/A =	-
4				Hydrophytic Vegetation Indicators:	
5				▲ Dominance Test is >50%	
)				Prevalence Index is ≤3.0 <sup>1</sup>	
				Morphological Adaptations <sup>1</sup> (Provide support	ing
				data in Remarks or on a separate sheet)	
Voody Vine Stratum C=\S' Total Cover:	112			Problematic Hydrophytic Vegetation <sup>1</sup> (Explai	ו)
·				<sup>1</sup> Indicators of hydric soil and wetland hydrology n	nust
				be present.	_
Total Cover:		6		Hydrophytic Vegetation	
	of Biotic Cr	ust		Present? Yes No	
Bare Ground in Herb Stratum % Cover	or Biotio or				

W-5

Desfile De				Sampling Point:
Profile Desc	cription: (Describe	e to the dept	h needed to document the indicator of	r confirm the absence of indicators.)
Depth	Matrix		Redox Features	
(inches)	Color (moist)		Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup> Texture Remarks
0-2	101R3/2	100		<u>Sa</u>
2-6	104R 2/1	100		Sa
Q-27	GIRYIN3/	100		Sa
27+	2.54 3/1	100		SiCLO
			2	Linia Do Date Obarral MeMatrix
Type: C=Co	oncentration, D=De	pletion, RM=	Reduced Matrix. Location: PL=Pore RRs, unless otherwise noted.)	Lining, RC=Root Channel, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol		cable to all L	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
	oipedon (A2)		Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Hi			Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
	Layers (A5) (LRR	C)	Depleted Matrix (F3)	Other (Explain in Remarks)
	ick (A9) (LRR D)	-,	Redox Dark Surface (F6)	—
	d Below Dark Surfac	ce (A11)	Depleted Dark Surface (F7)	
	ark Surface (A12)		Redox Depressions (F8)	
	lucky Mineral (S1)		Vernal Pools (F9)	<sup>3</sup> Indicators of hydrophytic vegetation and
	Bleyed Matrix (S4)			wetland hydrology must be present.
Restrictive L	_ayer (if present):			
Type:	none to 2	"		5
Depth (inc				Hydric Soil Present? Yes No X
Remarks:				
		×		
				th same soil profile, took multiple slices.
				th same soil profile, took multiple slices.
lower		Jaric no .		
lower (not so	lagers very a	Jaric no .		
1000 ST (NOF SO YDROLO	lagers very a	juin us i		
1000 C (Not 20 YDROLO Wetland Hyd	lazers very ( ht.rnt.)) condi GY	June 10 1 1470	relox to 27" let soil dy,	no redox or lightening occurse at moist
YDROLO Wetland Hyd	(azers virg) (at mit)) condi GY drology Indicators cators (any one indi	June 10 1 1470	ient)	<u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine)
YDROLO Wetland Hyd Primary India	(azers virg) (azers virg) (azers)) condi GY drology Indicators cators (any one indi Water (A1)	June 10 1 1470	rclox + 27!! let soil dy, ient) $\underline{X}$ Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
1000 C (not 10 YDROLO Wetland Hyd Primary India Surface Z High Wa	(aged VIC) (at anti) (and) GY drology Indicators cators (any one indi Water (A1) tter Table (A2)	June 10 1 1470	ient) X Salt Crust (B11) K Biotic Crust (B12)	Secondary Indicators (2 or more required)
YDROLO Wetland Hyd Primary India Surface High Wa Saturatio	GY drology Indicators cators (any one indi Water (A1) ther Table (A2) on (A3)	Jacil no i itim itim :: cator is suffic	ient) X Salt Crust (B11) Aquatic Invertebrates (B13)	<u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
YDROLO Wetland Hyd Primary India Surface High Wa Saturatio Water M	GY drology Indicators cators (any one indicators water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive	Jacil NO 1 iFUN :: cator is suffic	ient) X Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required)
YDROLO YDROLO Wetland Hyo Primary Indic Surface High Wa Saturatio Water M Sedimer	GY drology Indicators cators (any one indi Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive th Deposits (B2) (Norive	Jacil no i ikim cator is suffic rine) ponriverine)	ient) X Salt Crust (B11) Salt Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) iving Roots (C3) Thin Muck Surface (C7)
YDROLO YDROLO Wetland Hyo Primary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep	GY drology Indicators cators (any one indi- Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive on the Deposits (B2) (No posits (B3) (Nonrive	Jacil no i ikim cator is suffic rine) ponriverine)	ient) X Salt Crust (B11) Salt Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Dry-Season Water Table (C2) iving Roots (C3) Crayfish Burrows (C8)
YDROLO YDROLO Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Surface	GY drology Indicators cators (any one indi Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive nt Deposits (B2) (No sooits (B3) (Nonrive Soil Cracks (B6)	Jank no n ikin cator is suffic cator is suffic onriverine) erine)	ient) X Salt Crust (B11) Salt Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Plowe	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drinage Patterns (B10) Dry-Season Water Table (C2) iving Roots (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) ed Soils (C6) Saturation Visible on Aerial Imagery (C9)
YDROLO YDROLO Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio	GY drology Indicators cators (any one indi- Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive th Deposits (B2) (Nor- posits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial	Jank no n item item cator is suffic cator is suffic cator is suffic erine) Imagery (B7)	ient) X Salt Crust (B11) Salt Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Plowe	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drinage Patterns (B10) Dry-Season Water Table (C2) iving Roots (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) d Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
YDROLO YDROLO Wetland Hyd Primary Indic Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio Water-S	GY drology Indicators cators (any one indicators (Nonrive to cators (B1) (Nonrive to cosits (B1) (Nonrive Soil Cracks (B6) on Visible on Aerial tained Leaves (B9)	Jank no n item item cator is suffic cator is suffic cator is suffic erine) Imagery (B7)	ient) X Salt Crust (B11) Salt Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Plowe	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drinage Patterns (B10) Dry-Season Water Table (C2) iving Roots (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) ed Soils (C6) Saturation Visible on Aerial Imagery (C9)
YDROLO YDROLO Wetland Hyo Primary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-S Field Obser	GY drology Indicators cators (any one indi- Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive th Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations:	Jacic no i ikim cator is suffic onriverine) erine) Imagery (B7)	ient) X Salt Crust (B11) Salt Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Plowe Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B10) Dry-Season Water Table (C2) iving Roots (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) d Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
YDROLO YDROLO Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio Water-S Field Obser Surface Water	GY drology Indicators cators (any one indicators (Nonrive to (A3) larks (B1) (Nonrive to (A3) larks (B1) (Nonrive soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present?	Jacil (ND) ikiton ikiton cator is suffic cator is suffic rine) ponriverine) erine) Imagery (B7) Yes N	ient) X Salt Crust (B11) Salt Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Plowe Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B10) Dry-Season Water Table (C2) iving Roots (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) d Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
YDROLO YDROLO Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio Water-S Field Obser Surface Water Surface Water	GY drology Indicators cators (any one indi- Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive th Deposits (B2) (Nor- boosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present?	Jacil (NO ) ikiton ikiton cator is suffic cator is suffic onriverine) erine) Imagery (B7) Yes N Yes N Yes N	ient)         X         Salt Crust (B11)         X         Biotic Crust (B12)         Aquatic Invertebrates (B13)         Hydrogen Sulfide Odor (C1)         Oxidized Rhizospheres along L         Presence of Reduced Iron (C4)         Recent Iron Reduction in Plowe         Other (Explain in Remarks)         O         Depth (inches):         P         Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Dry-Season Water Table (C2) iving Roots (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) d Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
VDROLO Vetland Hyp Primary India Surface High Wa Saturatic Water M Sedimer Drift Deg Surface Inundatia Water-S Field Obser Surface Wate Water Table Saturation P (includes cap	GY drology Indicators cators (any one indi Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive nt Deposits (B2) (No soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? pillary fringe)	Jacil NO itron itron cator is suffic cator is suffic cator is suffic ponriverine) erine) Imagery (B7) Yes N Yes N Yes N	ient)         X         Salt Crust (B11)         X         Biotic Crust (B12)         Aquatic Invertebrates (B13)         Hydrogen Sulfide Odor (C1)         Oxidized Rhizospheres along Li         Presence of Reduced Iron (C4)         Recent Iron Reduction in Plowe         Other (Explain in Remarks)         O         Depth (inches):         O         Depth (inches):         O	Markening occurse at moist          Secondary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         iving Roots (C3)         Thin Muck Surface (C7)         Crayfish Burrows (C8)         ed Soils (C6)         Shallow Aquitard (D3)         FAC-Neutral Test (D5)
YDROLO YDROLO Wetland Hyo Primary Indic Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio Water Table Saturation P (includes cap	GY drology Indicators cators (any one indi Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive nt Deposits (B2) (No soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? pillary fringe)	Jacil NO itron itron cator is suffic cator is suffic cator is suffic ponriverine) erine) Imagery (B7) Yes N Yes N Yes N	ient)         X         Salt Crust (B11)         X         Biotic Crust (B12)         Aquatic Invertebrates (B13)         Hydrogen Sulfide Odor (C1)         Oxidized Rhizospheres along L         Presence of Reduced Iron (C4)         Recent Iron Reduction in Plowe         Other (Explain in Remarks)         O         Depth (inches):         P         Depth (inches):	Mathematical Secondary Indicators (2 or more required)
VDROLO Vetland Hy Primary India Surface High Wa Saturatio Vater M Sedimer Surface Inundatia Water-S Field Obser Surface Wate Vater Table Saturation P (includes cap Describe Re Remarks:	GY drology Indicators cators (any one indi- Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive th Deposits (B2) (Nor- boosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? pillary fringe) corded Data (stream	Jacit no i item item cator is suffic cator is suffic rrine) ponriverine) erine) Imagery (B7) Yes N Yes N Yes N Yes N Yes N	ient)         X         Salt Crust (B11)         X         Biotic Crust (B12)         Aquatic Invertebrates (B13)         Hydrogen Sulfide Odor (C1)         Oxidized Rhizospheres along Li         Presence of Reduced Iron (C4)         Recent Iron Reduction in Plower         Other (Explain in Remarks)         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):	Secondary Indicators (2 or more required)
YDROLO Wetland Hyo Primary Indic Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio Water-S Field Obser Surface Water Surface Water Surface Water Surface Remarks:	GY drology Indicators cators (any one indi- Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive th Deposits (B2) (Nor- boosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? pillary fringe) corded Data (stream	Jacit no i item item cator is suffic cator is suffic rrine) ponriverine) erine) Imagery (B7) Yes N Yes N Yes N Yes N Yes N	ient)         X         Salt Crust (B11)         X         Biotic Crust (B12)         Aquatic Invertebrates (B13)         Hydrogen Sulfide Odor (C1)         Oxidized Rhizospheres along Li         Presence of Reduced Iron (C4)         Recent Iron Reduction in Plower         Other (Explain in Remarks)         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):	Mathematical Secondary Indicators (2 or more required)
YDROLO YDROLO Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatia Water-S Field Obser Surface Wate Surface Wate Water Table Saturation P (includes cap Describe Re	GY drology Indicators cators (any one indi- Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive th Deposits (B2) (Nor- boosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? pillary fringe) corded Data (stream	Jacit no i item item cator is suffic cator is suffic rrine) ponriverine) erine) Imagery (B7) Yes N Yes N Yes N Yes N Yes N	ient)         X         Salt Crust (B11)         X         Biotic Crust (B12)         Aquatic Invertebrates (B13)         Hydrogen Sulfide Odor (C1)         Oxidized Rhizospheres along Li         Presence of Reduced Iron (C4)         Recent Iron Reduction in Plower         Other (Explain in Remarks)         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):	Secondary Indicators (2 or more required)
YDROLO YDROLO Wetland Hyo Primary Indic Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio Water-S Field Obser Surface Water Surface Water Surface Water Surface Remarks:	GY drology Indicators cators (any one indi- Water (A1) ther Table (A2) on (A3) larks (B1) (Nonrive th Deposits (B2) (Nor- boosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? pillary fringe) corded Data (stream	Jacit no i item item cator is suffic cator is suffic rrine) ponriverine) erine) Imagery (B7) Yes N Yes N Yes N Yes N Yes N	ient)         X         Salt Crust (B11)         X         Biotic Crust (B12)         Aquatic Invertebrates (B13)         Hydrogen Sulfide Odor (C1)         Oxidized Rhizospheres along Li         Presence of Reduced Iron (C4)         Recent Iron Reduction in Plower         Other (Explain in Remarks)         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):         O         Depth (inches):	Secondary Indicators (2 or more required)

$\left[ w - 9 \right]$
WETLAND DETERMINATION DATA FORM – Arid West Region
Project/Site: Collinsville City/County: Cano County Sampling Date: 06-03-24
Applicant/Owner: US DOWEV State: A Sampling Point: SP-1
Investigator(s): Signey Wells, Kaven BachSection, Township, Range: SOOT3N RIE
Landform (hillslope, terrace, etc.): 1000 Local relief (concave, convex, none): Slope (%):
Subregion (LRR): LRR C Lat: 38,070842 Long: -121.830475 Datum: NAD83
Soil Map Unit Name: Valdez Sit 1000, Jrained, 0-21, NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>X</u> No Yes <u>X</u> No Yes <u>X</u> No	Is the Sampled Area within a Wetland?	Yes X No
Remarks:			

$\frac{\text{Tree Stratum}}{1.}$ (Use scientific names.) $V=10^{1}$		Dominant Species?	<u>Status</u>	Dominance Test worksheet:         Number of Dominant Species         That Are OBL, FACW, or FAC:
3				Total Number of Dominant Species Across All Strata:(B)
4				Percent of Dominant Species
Sapling/Shrub Stratum Y=10	0			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Herb Stratum	O	-		FACU species x 4 =
1. Disticilis spicata	65	Y	FAC	UPL species x 5 =
2 Frankenia Salina	17	N	FACW	Column Totals: (A) (B)
3. Lepidium latifolium	20	N	FAC	Prevalence Index = B/A =
4. RUMEX MISDUG	5	N	FAC	Hydrophytic Vegetation Indicators:
5. Cchoenoplectus acutus var. ocadental	\$ 35	Y	OBL	
6. Heliotropium curascavicum	3	N	FACU	Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum r= 101 Total Cover	: 145	-		
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
2				-
Total Cove % Bare Ground in Herb Stratum % Cove		- Crust	2	Hydrophytic Vegetation Present? Yes <u>No</u>
Remarks:				

Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Feature %	s Type <sup>1</sup>	Loc <sup>2</sup>	m the absence of i	Remarks
0-3	104R211	90	7.51R3/4	10	<u>C</u>	M	CILO	
3-16	Gley 2104 3/	010	7.54R 3/4	VO	C	Μ	Sa	
~		_						
			A=Reduced Matrix.			e Lining,	RC=Root Channel,	M=Matrix. Problematic Hydric Soils <sup>3</sup> :
Black Hi Hydroge Stratified 1 cm Mu Depleted Thick Da	pipedon (A2)		<ul> <li>Sandy Reda</li> <li>Stripped Ma</li> <li>Loamy Muc</li> <li>Loamy Gley</li> <li>Depleted M</li> <li>Redox Dark</li> <li>Depleted D</li> <li>Redox Depl</li> <li>Vernal Pool</li> </ul>	atrix (S6) ky Minera yed Matrix atrix (F3) c Surface ark Surfac ressions (	(F2) (F6) ce (F7)		2 cm Muc Reduced Red Pare Other (Ex	k (A9) (LRR C) k (A10) (LRR B) Vertic (F18) nt Material (TF2) plain in Remarks) hydrophytic vegetation and
estrictive L	ayer (if present):						wetland hy	drology must be present.
Type:	thes): 0		_				Hydric Soil Pr	esent? Yes No

Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficien	nt)	Water Marks (B1) (Riverine)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> <li>Sediment Deposits (B2) (Nonriverine)</li> <li>Drift Deposits (B3) (Nonriverine)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B7)</li> <li>Water-Stained Leaves (B9)</li> </ul>	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Other (Explain in Remarks)	Crayfish Burrows (C8)
Field Observations:	~1	
Surface Water Present? Yes No _	X Depth (inches):	
Water Table Present? Yes X No	Depth (inches): 2011	
	Depth (inches):0''	Wetland Hydrology Present? Yes X No
Describe Recorded Data (stream gauge, monito	ring well, aerial photos, previous inspec	tions), if available:
Remarks: Drift deposits likely influence.	from storm surges	rather than hegular tidal

		W-9
WETLAND DETERMINA	ATION DATA FORM – Arid West Regio	on i
Project/Site: (allinsville	City/County: Solano	_ Sampling Date: 6-4/24
Applicant/Owner: US Paver	State: CA	Sampling Point: SP-2
Investigator(s): Karo Buch, Sidney Well	Section, Township, Range: SOD T 3N	R)E
Landform (hillslope, terrace, etc.): food lope	Local relief (concave, convex, none): _ Conc	slope (%): 0
	38.070622 Long: -121.82°	704 Datum: 1/1083
Soil Map Unit Name: Vullez Sitt 100m, Dranged, 0-	2'/, NWI classi	fication: EZEMIN
Are climatic / hydrologic conditions on the site typical for this time of	f year? Yes 📉 No (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology significar	ntly disturbed? Are "Normal Circumstances"	" present? Yes 📉 No
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showi	ng sampling point locations, transect	ts, important features, etc.
Hydrophytic Vegetation Present?     Yes No       Hydric Soil Present?     Yes No	— Is the Sampled Area within a Wetland? Yes	K No

Yes

No

Remarks:

Wetland Hydrology Present?

Tree Stratum (Use scientific names.) 30×5 Ft 1. Salix lalvigata 2	10	Species?	FACIN	Dominance Test worksheet:         Number of Dominant Species         That Are OBL, FACW, or FAC:         Total Number of Dominant         Species Across All Strata:
4 Total Cover: Sapling/Shrub Stratum 1. <u>Rosa</u> Californica 2 3.	<u>10</u> <u>10</u> 5	Y	FAC	Percent of Dominant Species       Image: Contract of Dominant Species         That Are OBL, FACW, or FAC:       Image: Contract of Dominant Species         Prevalence Index worksheet:       Image: Contract of Dominant Species         Total % Cover of:       Multiply by:         OBL species       x 1 =
4 5 Herb Stratum SXSFH Total Cover: 1. <u>Typha</u> angustifolia 2. <u>Alisma</u> gradninemo			OBL	FACW species       x 2 =         FAC species       x 3 =         FACU species       x 4 =         UPL species       x 5 =         Column Totals:       (A)         Prevalence Index = B/A =
3. Districtions opicata 4. JUNIOUS balticus 5. DUMEL MASPUS 6. LAHNING LE POMIT 7. Schulemoplective active Valgoria dentation 8. Total Cover:	30	N	FAC FACW FAC OBL OBL	Hydrophytic Vegetation Indicators:
1 2 7. Bare Ground in Herb Stratum % Cover o Remarks: Shape/Size OF ριστς αδικςτα το Οι	f Biotic Cru			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.         Hydrophytic Vegetation Present?         Yes No

Profile Des	cription: (Describe	to the dep				or confirm	n the absence	of indicators.)	
Depth	Matrix Color (moint)	%	Color (moist)	x Feature %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remar	ks
(inches)	DVR 2/2	97	7.51/R 3/3	2	C	NA	Sici		
0.0	1044 9/2		7.71-15	0			0101		
3-45	Gley 1 1043/1	98	10/2 3/4	2	C	M	sici		
45-12	Gleyz N9/	90	10Y12 3/6	10	C	M	SiCI		
12-16	Gley2N4	90	104R 3/10	10	C	M	Losa	-	
Histosol ( Histic Epi Black His Hydrogen Stratified 1 cm Muc Depleted I Thick Dark	pedon (A2)		<ul> <li>Sandy Redo</li> <li>Stripped Mail</li> <li>Loamy Muck</li> <li>Loamy Gleye</li> <li>Depleted Ma</li> <li>Redox Dark</li> <li>Depleted Da</li> <li>Redox Depres</li> <li>Vernal Pools</li> </ul>	x (S5) trix (S6) ty Minera ed Matrix trix (F3) Surface ( rk Surfac essions (f	I (F1) (F2) (F6) e (F7)		2 cm M Reduc Red P Other <sup>3</sup> Indicators	Muck (A9) (LRR C) Muck (A10) (LRR B) ed Vertic (F18) arent Material (TF2) (Explain in Remarks) of hydrophytic veget	ation and
_ Sandy Gle	yed Matrix (S4) yer (if present):						Hydric Soil	hydrology must be p Present? Yes	No
Sandy Gle estrictive La Type:/ Depth (inche emarks: DROLOGY tland Hydrol	yer (if present): es): ogy Indicators:	is sufficie					Hydric Soil		No
Sandy Gle estrictive La Type:/ Depth (inche emarks: DROLOGY tland Hydrol mary Indicato Surface Wat High Water <sup></sup> Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi	yer (if present): yer (if present): as): ogy Indicators: rs (any one indicator er (A1) Table (A2) \(3) (B1) (Nonriverine) posits (B2) (Nonriverine) Cracks (B6) sible on Aerial Imag	erine)	ent) Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Other (Expla	(B12) rtebrates ulfide Odd zosphere Reduced Reductio	or (C1) es along L I Iron (C4) n in Plowe		Hydric Soil  Hydric Soil  Secon  S  D  S  C  S  C  S  C  S  S  S  S  S  S  S	Present? Yes	No more required) verine) 2) (Riverine) iverine) 10) ble (C2) 7) ) Aerial Imagery (C )
Sandy Gle estrictive La Type:/ Depth (inche emarks: 	yer (if present): yer (if prese	erine) ery (B7) No_ No_ No_	Salt Crust (E Biotic Crust / Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron I Other (Expla	(B12) rtebrates ulfide Odi zosphere Reduced Reductio in in Ren es): <u> </u> <u>o</u> es): <u>SUY</u> es): <u>SUY</u>	or (C1) es along L I Iron (C4) n in Plowe narks) <u>511</u> <u>Face</u> Face	ed Soils (C	Hydric Soil  Hydric Soil  Secon  M  S  D  D  D  C  S  C  S  C  S  C  A  Hydrolog	Present? Yes Andary Indicators (2 or Jater Marks (B1) (Rinediment Deposits (B3) (Rinediment Deposits (B3) (Rinediment Deposits (B3)) (Rinediment Deposits (B	No more required) verine) 2) (Riverine) iverine) 10) ble (C2) 7) ) Aerial Imagery (C )

	ERMINAT			- 1.1
Applicant/Owner: LS Pour				
				State: CA Sampling Point: SP-3
Investigator(s): Karen Bach, Sidny vanis		Section	, Township, R	lange: <u>500 730 FIE</u>
Landform (hillslope, terrace, etc.): tocstofe		Local re	elief (concave,	, convex, none): Slope (%):
Subregion (LRR): LARC	Lat:	8.01	040	Long: -121,829686 Datum: //A1
Soil Map Unit Name: Vaulez Silt 10am, Drive				
Are climatic / hydrologic conditions on the site typical for th				
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology				needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing	samp	ling point	locations, transects, important features,
Hydrophytic Vegetation Present?       Yes       Yes         Hydric Soil Present?       Yes       Yes         Wetland Hydrology Present?       Yes       N         Remarks:       Yes       Yes	10 1		the Sample within a Wetla	
<b>Tree Stratum</b> (Use scientific names.) $\zeta = 20^{1}$	% Cover	Species	nt Indicator s? Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 3
1 2				That Are OBL, FACW, or FAC: (/
3				Total Number of Dominant
λ		-		Species Across All Strata: (I
Total Cover	0			Percent of Dominant Species That Are OBL, FACW, or FAC:/DD // (A
Sapling/Shrub Stratum (= 15	-7	N	-	
Rosa californica			FAC	Prevalence Index worksheet:
				Total % Cover of:Multiply by:
				OBL species x 1 =
				FACW species         x 2 =           FAC species         x 3 =
Total Cover:	7			FACU species         x 3 =           FACU species         x 4 =
erb Stratum (=5)				UPL species          x 5 =
foraiculum Julgare	4	N	UPL	Column Totals:
EIMMUS tribicoides	40	Y	FAC	
Francesia salina	3	N	FACW	Prevalence Index = B/A =
Distichiu spicater	30	Y	FAC	Hydrophytic Vegetation Indicators:
Grex barburae	S	N	FAC	⊥ Dominance Test is >50%
Helmonthathecor echicitles	1	N	FAC	Prevalence Index is ≤3.0 <sup>1</sup>
		_		Morphological Adaptations <sup>1</sup> (Provide supportin data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
ody Vine Stratum Collins				<sup>1</sup> Indicators of hydric soil and wetland hydrology mube present.
				be present.
	0			Hydrophytic Vegetation

Depth	cription: (Describe t	o the dep	th needed to docu	ment the i	ndicator	or confirm	the absen	ce of indicators.)
Jehn	Matrix	_		ox Features			-	
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	
3-7.5	104R 2/1	100					LoSo	4
7.5 - 9	2.5 4 3/2	100					Sa	
1-14	7,54R 3/2	100					CLO	
14-16	2.544/2	80	1042 3/6	20	С	M	SIC	Redox prominent
ydric Soil I Histosol Histic Ep Black Hi Hydroge Stratified 1 cm Mu Depleted Thick Da Sandy M Sandy G	oncentration, D=Depl Indicators: (Applica (A1) bipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) (LRR O uck (A9) (LRR D) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Bleyed Matrix (S4) Layer (if present):	able to all	LRRs, unless othe Sandy Rec Stripped M Loamy Mu Loamy Gle Depleted M Redox Dat Depleted D	erwise not dox (S5) latrix (S6) locky Minera eyed Matrix Matrix (F3) rk Surface Dark Surfac pressions (	ed.) Il (F1) Il (F2) (F6) Se (F7)	re Lining,	Indica 1 ( 2 ( Re Of <sup>3</sup> Indica	hannel, M=Matrix. tors for Problematic Hydric Soils <sup>3</sup> : cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2) ther (Explain in Remarks) ators of hydrophytic vegetation and tland hydrology must be present.
Type: $\underline{\Lambda}$ Depth (inc	JA						Hydric	Soil Present? Yes No
Type: <u>A</u> Depth (ind emarks: <b>/DROLO</b>	J/A							
Type: <u>A</u> Depth (ind emarks: /DROLO /etland Hyd	J/A							Secondary Indicators (2 or more required)
Type: <u>A</u> Depth (ind emarks: <b>/DROLO</b> /etland Hyd rimary Indic	GY drology Indicators: cators (any one indic			st (B11)				Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Type: Depth (inc emarks: //DROLO /etland Hyo rimary Indic Surface	GY drology Indicators: cators (any one indic Water (A1)		Salt Cru					Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: Depth (ind emarks: //DROLO /etland Hyd rimary India Surface High Wa	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2)		Salt Cru Biotic Cr	rust (B12)	es (B13)			Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type: Depth (ind emarks: //DROLO //etland Hyd rimary Indid Surface High Wa Saturatio	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3)	ator is suf	Salt Cru Biotic Cr Aquatic	rust (B12) Invertebrat				Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type: Depth (ind emarks: //DROLO /etland Hyd rimary India Surface High Wa Saturatia Water M	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver	ator is suf ine)	Salt Cru Biotic Cr Aquatic Hydroge	rust (B12) Invertebrat en Sulfide (	Odor (C1)			Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Type: Depth (inc emarks: //DROLO /etland Hyo rimary Indic Surface High Wa Saturatio Water M Sedimer	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver nt Deposits (B2) (No	ator is suf ine) nriverine)	Salt Cru Biotic Cru Aquatic Hydroge Oxidized	rust (B12) Invertebrat en Sulfide ( d Rhizosph	Odor (C1) eres alon	g Living F	Stoots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Type: Depth (ind emarks: /DROLO /etland Hyd rimary Indid Surface High Wa Saturatid Water M Sedimer Drift Dep	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver	ator is suf ine) nriverine)	Salt Cru Biotic Cru Aquatic Hydroge Oxidized Presence	rust (B12) Invertebrat en Sulfide ( d Rhizosph ce of Reduc	Odor (C1) eres alon ced Iron (	g Living F C4)	Soots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Type: Depth (inc emarks: <b>DROLO</b> <b>Vetland Hyd</b> <u>imary India</u> Surface High Wa Saturatia Sedimer Drift Dep Surface	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6)	ator is suf ine) nriverine) rine)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent	rust (B12) Invertebrat en Sulfide ( d Rhizosph e of Reduc Iron Reduc	Odor (C1) eres alon ced Iron ( tion in Pl	g Living F C4)	Soots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type: Depth (ind emarks: //DROLO /etland Hyd rimary India Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I	ator is suf ine) nriverine) rine)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent	rust (B12) Invertebrat en Sulfide ( d Rhizosph e of Reduc Iron Reduc	Odor (C1) eres alon ced Iron ( tion in Pl	g Living F C4)	Soots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Type: Depth (inc emarks: //DROLO /etland Hyd rimary Indic Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Surface Surface Nuter-S	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I Stained Leaves (B9)	ator is suf ine) nriverine) rine)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent	rust (B12) Invertebrat en Sulfide ( d Rhizosph e of Reduc Iron Reduc	Odor (C1) eres alon ced Iron ( tion in Pl	g Living F C4)	Soots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type: Depth (inc emarks: <b>/DROLO</b> /etland Hyd rimary India Surface High Wa Saturatio Saturatio Sedimer Sedimer Surface Inundatii Water-S ield Obser	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I itained Leaves (B9) vations:	ine) nriverine) rine)	Salt Cru: Biotic Cr Aquatic Hydroge 0 Oxidized Presenc Recent [ 37) Other (E	rust (B12) Invertebrat en Sulfide ( d Rhizosph e of Reduc Iron Reduc Explain in F	Odor (C1) eres alon ced Iron ( tion in Pl Remarks)	g Living F C4) owed Soil	Soots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Type: Depth (inc emarks: //DROLO //etland Hyo rimary India Surface High Wa Saturatia Saturatia Sedimer Drift Dep Sedimer Drift Dep Surface Inundatia Water-S ield Obser urface Water	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I Stained Leaves (B9) vations: er Present? Y	ine) nriverine) rine) Imagery (E	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent 1 37) Other (E	rust (B12) Invertebrat en Sulfide ( d Rhizosph e of Reduc Iron Reduc Explain in F	Odor (C1) eres alon ced Iron ( tion in Pl Remarks)	g Living F C4) owed Soil	Soots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Type: Depth (inc emarks: //DROLO /etland Hyo rimary Indic Surface High Wa Saturatio Saturatio Sedimer Drift Dep Surface Inundatio Surface Inundatio Surface Inundatio Surface Inundatio Surface Inundatio Surface Inundatio Surface Water Vater Table aturation P	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I stained Leaves (B9) vations: er Present? Y Present? Y resent? Y	ine) nriverine) rine) Imagery (E Yes Yes	Salt Cru: Biotic Cr Aquatic Hydroge 0 Oxidized Presenc Recent [ 37) Other (E	rust (B12) Invertebrat en Sulfide ( d Rhizosph ee of Reduc Iron Reduc Explain in F (inches): (inches):	Odor (C1) eres alon ced Iron ( ttion in Pl Remarks)	g Living F C4) owed Soil	200ts (C3) s (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Type: Depth (inc emarks: <b>/DROLO</b> /etland Hyd rimary India Surface High Wa Saturatia Saturatia Sedimer Drift Dep Sedimer Drift Dep Surface Inundatia Water S ield Obser urface Water /ater Table aturation P ncludes cap	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I stained Leaves (B9) vations: er Present? Y Present? Y	ine) nriverine) rine) /magery (E /es /es	Salt Cru: Biotic Cr Aquatic Hydroge Oxidized Presence Recent I 37) Other (E No Depth ( No Depth (	rust (B12) Invertebrat en Sulfide ( d Rhizosph ee of Reduc Iron Reduc Explain in F (inches): (inches): (inches): _	Odor (C1) eres alon ced Iron ( ttion in Pl Remarks)	g Living F C4) powed Soil	Roots (C3) s (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

WETLAND DETERM		DATA FORM -	Arid West Region
Project/Site: _ Collinsville	City	Solar	Sampling Date: 6-5-24
Applicant/Owner: LS POWL			
Investigator(s): Koren Bach, Sidney Wells			
Landform (hillslope, terrace, etc.): _tocs10Pe			
Subregion (LRR):	Lat: 28.0	178510	Long: =171 822 547 Deture MAD23
Soil Map Unit Name: Valdez Sit loam, drained,			
Are climatic / hydrologic conditions on the site typical for this t			
Are Vegetation, Soil, or Hydrology sig			Normal Circumstances" present? Yes No
Are Vegetation, Soll, or Hydrology org			eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	1		ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	<u>×</u>	Is the Sampled	~
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	X	within a Wetlan	d? Yes No
Sidal Appression adjacent to rand where	U vater a	append to perch	clove clay layer during short periods
in the wet season but not long enough	to develo	op wetland ci	ondiverse
VEGETATION			
		ominant Indicator pecies? Status	Dominance Test worksheet:
<u>Tree Stratum</u> (Use scientific names.) $\gamma = 30'$ 1	% Cover 5		Number of Dominant Species         That Are OBL, FACW, or FAC:         (A)
2			Total Number of Dominant 2
3			Species Across All Strata: (B)
4			Percent of Dominant Species
Sapling/Shrub Stratum			That Are OBL, FACW, or FAC: $50^{\prime}$ (A/B)
			Prevalence Index worksheet:
2.			Total % Cover of: Multiply by:
3.			OBL species x 1 =
4.			FACW species x 2 =
5.			FAC species x 3 =
Herb Stratum V 25 Total Cover	0		FACU species x 4 =
THOID OTHIGHT		V CAC	UPL species x 5 =
1. Distichnis spirata	30	N FAC	- Column Totals: (A) (B)
2. RUMEX Crispus		N FACU	Prevalence Index = B/A =
3. Heliotropium curassavirum 4 Bromus madritensis	40-	Y JPL	Hydrophytic Vegetation Indicators:
and the second second		N FAC	Dominance Test is >50%
r	10-	N FACW	
	8	N FACW	Morphological Adaptations <sup>1</sup> (Provide supporting
7. tunkenia salina. 8. Lactua know	<u> </u>	N FACU	data in Remarks or on a separate sheet)
Total Cover	165		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum $V = 15$			a character as a finance is a survey of the
			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1 2			be present.
Total Cover	r:		Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover	r of Biotic Cru	ust	Present? Yes No X
Remarks:			

		to the dep	pth needed to docur			or confirm	n the absence	of indicators.)
Depth (inches)	Color (moist)	%	Color (moist)	x Feature %	s Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
6-2	10 YR 3/1	98	7.5YR 4/6	2	C	M/PL	SIC	
2-4	2.5 4/2	@5	7.5412 46	35	C	M/PL	SiC	remeasured Several Knes
4-6	2.5/3/2	100					Sa	
6-7.5	2.51 3/2	97	104R 3/6	3	C	M	Salo	
	0.01.21						300	
15-19	2.5Y 3/2 incentration, D=Dep	100			- PI =Por	e Lining R	C=Root Chanr	al M=Matrix
21			LRRs, unless other		1	e Linnig, K		for Problematic Hydric Soils <sup>3</sup> :
Histosol (	Sector of the sector		Sandy Redo					luck (A9) (LRR C)
-	ipedon (A2)		Stripped Ma				2 cm N	luck (A10) (LRR B)
Black Hist			Loamy Muck	y Mineral				ed Vertic (F18)
-	Sulfide (A4)		Loamy Gleye		(F2)			arent Material (TF2)
	Layers (A5) (LRR C	;)	C Depleted Ma				Other (	Explain in Remarks)
	k (A9) (LRR D)		Redox Dark					
	Below Dark Surface	e (A11)	Depleted Da					
Provide the second s	k Surface (A12) icky Mineral (S1)		Redox Depre		.8)		<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy Mu			Vernal Pools	(Г9)				
							wetland	hydrology must be present
Sandy Gle	eyed Matrix (S4)						wetland	hydrology must be present.
Sandy Gle	eyed Matrix (S4) ayer (if present):						wetland	hydrology must be present.
Sandy Gle	ayed Matrix (S4) ayer (if present): U()~e to 20	μ	_				wetland Hydric Soil	V
_ Sandy Gle estrictive La Type:	ayed Matrix (S4) ayer (if present): U()~e to 20							V
Sandy Gle estrictive La Type:A Depth (incho marks: DROLOG <sup>1</sup> thand Hydro mary Indicato Surface Wa High Water Saturation ( Water Mark Sediment D Drift Deposi Surface Soi	Y Diogy Indicators: ors (any one indica ater (A1) r Table (A2)	tor is suffic e) riverine) ne)	Salt Crust (F Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	(B12) ertebrates ulfide Odd izosphere Reduced Reduction	or (C1) es along L Iron (C4) n in Plowe		Hydric Soil I           Second	Present? Yes <u>No</u> <u>dary Indicators (2 or more required)</u> ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) turation Visible on Aerial Imagery (C9)
Sandy Gle strictive La Type: Depth (incho- marks: DROLOGY tland Hydro mary Indicator Surface Wa High Water Saturation ( Water Mark Sediment D Drift Deposi Surface Soi Inundation N Water-Stain	Ayed Matrix (S4) Ayer (if present): U() C TO CO les): Y Dology Indicators: ors (any one indica ater (A1) r Table (A2) (A3) (A3) (S (B1) (Nonriverin Deposits (B2) (Nonriverin its (B3) (N	tor is suffic e) riverine) ne)	Salt Crust (F Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	(B12) ertebrates ulfide Odd izosphere Reduced Reduction	or (C1) es along L Iron (C4) n in Plowe		Hydric Soil I           Second	Present? Yes <u>No</u> <u>No</u> <u>Dary Indicators (2 or more required)</u> ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8)
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WETLAND DETERMINATION DATA FO	DRM - Arid West Region
() Illian II	olano Courty Sampling Date: 06-010-24
Applicant/Owner: US POWEN	State: CA Sampling Point: P-1
Investigator(s): Sid New Wells, Kaven Bach Section, Townsh	ip, Range: SOO TON RIE
Landform (hillslope, terrace, etc.): + 0051000 Local relief (con	icave, convex, none): Dight concert Slope (%): 0
Subregion (LRR): LRC Lat: 38, 0785 9-	7 Long: -121,833439 Datum: NAD83
Soil Map Unit Name: Valdez Sitt Dawn, drained, O-Zi. SIDRES	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling per	oint locations, transects, important features, etc.
Hydric Soil Present? Yes X No	ampled Area Wetland? Yes <u>K</u> No
Remarks:	
VEGETATION	

Tree Stratum (Use scientific names.)		Dominant Species?		Dominance Test worksheet:	
1				Number of Dominant Species That Are OBL, FACW, or FAC:	A)
2					
3				Total Number of Dominant Species Across All Strata: 2	(B)
4					(2)
Sapling/Shrub Stratum				Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B)
				Prevalence Index worksheet:	
2					
2					-
3 4				OBL species x 1 =	
5	·			FACW species x 2 =	
Total Cover				FAC species x 3 =	
Herb Stratum		1	1.1	FACU species x 4 =	
1. RUMEX CHISPUS Countrates	15	N	FAC	UPL species x 5 =	
2. Xanthium Strumanium (cucleuran	70	Y	FAC,	Column Totals: (A)	_ (B)
3. Schoenoplectus ocutus var, ocutatolic	35	Y	OBL	Prevalence Index = B/A =	
4. Wa arkillaris Govern	3	R	FACN	Hydrophytic Vegetation Indicators:	-
5. Asclepias Fascicularis (millioned	2	N	FAC	Dominance Test is >50%	
s. Festuca perennes	25	N	FAC	Prevalence Index is ≤3.0 <sup>1</sup>	
7				Morphological Adaptations <sup>1</sup> (Provide support	ina
B				data in Remarks or on a separate sheet)	
Woody Vine Stratum	160			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain	n)
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology m	
2				be present.	iust
Total Cover				Hydrophytic	
% Bare Ground in Herb Stratum % Cover	of Biotic C	rust		Vegetation Present? Yes No	
Remarks:					
				1	
				1	

# S

ofile Description: (De	escribe to	the dep	oth needed	to docum	ent the i	ndicato	r or confir	m the abs	ence of indicators.)
	Matrix			Redox	Features	5			<b>B</b> second s
color (m	noist)	%	Color (n			Type	Loc <sup>2</sup>	Textu	
-6.9 LOYP:	2/1	99	LOYR	5/10		C	M	CI	
5 MEADI	9/2	65	DYR	4/10	35	C	M	5.(1	.0
		-							
5-14 2.54	4/2	65	IDYR	5/8	35	C	M	Sici	
ype: C=Concentration	, D=Deple	tion, RN	I=Reduced I				ore Lining,	RC=Root	Channel, M=Matrix. ators for Problematic Hydric Soils <sup>3</sup> :
dric Soil Indicators:	(Applical	ble to al	I LRRS, uni	ess ourier	WISC NOU	cu.,			cm Muck (A9) (LRR C)
_ Histosol (A1)			Sa	andy Redo	JX (55)				cm Muck (A10) (LRR B)
_ Histic Epipedon (A2)	)		St	ripped Ma	ky Minera	(E1)			Reduced Vertic (F18)
Black Histic (A3)									Red Parent Material (TF2)
_ Hydrogen Sulfide (A					ed Matrix	(F2)			Other (Explain in Remarks)
_ Stratified Layers (A5		)		epleted M					
<ul> <li>1 cm Muck (A9) (LR</li> <li>Depleted Below Dar</li> <li>Thick Dark Surface</li> <li>Sandy Mucky Miner</li> <li>Sandy Gleyed Matri</li> </ul>	rk Surface (A12) ral (S1)	(A11)	D	epleted Da	s Surface ark Surfac ressions ( ls (F9)	æ (F7)		<sup>3</sup> Indic we	ators of hydrophytic vegetation and etland hydrology must be present.
estrictive Layer (if pre									
Type: NONE to	2011								$\checkmark$
	-								A IL D A A A NO
								Hydrid	Soil Present? Yes No
Depth (inches): Remarks:							_	Hydrid	Soil Present? Tes No
Depth (inches):								Hydrid	Soll Present? Tes NO
Depth (inches): Remarks: YDROLOGY								ŵ	
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Inc	dicators:							ŵ	Secondary Indicators (2 or more required)
Depth (inches): Remarks: YDROLOGY	dicators:	ator is su	ufficient)					ŵ	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Inc	dicators: one indica	ator is su	X	Salt Crust				ŵ	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Inc Primary Indicators (any	dicators: one indica	ator is su	XX	Biotic Cru	st (B12)			ŵ	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Inc Primary Indicators (any Surface Water (A1) High Water Table (/	dicators: one indica	ator is su	XX	Biotic Cru Aquatic In	st (B12) vertebrate			ŵ	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Ind Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3)	dicators: one indica ) A2)		X4X1	Biotic Cru Aquatic In Hydrogen	st (B12) wertebrate Sulfide O	dor (C1)			Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Inc Primary Indicators (any Surface Water (A1) High Water Table ( <i>i</i> Saturation (A3) Water Marks (B1) (i	dicators: one indica ) A2) (Nonriveri	ne)		Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) overtebrate Sulfide O Rhizosphe	dor (C1) eres alor	g Living Ro		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Inc Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (/ Sediment Deposits	dicators: one indica ) (A2) (Nonriveri ; (B2) (Nor	ne) nriverine		Biotic Cru Aquatic In Hydrogen Oxidized I Presence	st (B12) overtebrate Sulfide O Rhizosphe of Reduce	dor (C1) eres alor ed Iron (	g Living Ro C4)	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Ind Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (/ Sediment Deposits Drift Deposits (B3)	dicators: one indica ) (A2) (Nonriveri (B2) (Nor (Nonriver	ne) nriverine		Biotic Cru Aquatic In Hydrogen Oxidized I Presence	st (B12) overtebrate Sulfide O Rhizosphe of Reduce	dor (C1) eres alor ed Iron (	g Living Ro	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Ind Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (/ Sediment Deposits Drift Deposits (B3) Surface Soil Cracks	dicators: one indica ) (A2) (Nonriveri (B2) (Nor (Nonriver s (B6)	ine) hriverine rine)	» 	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) wertebrate Sulfide O Rhizosphe of Reduct	dor (C1) eres alor ed Iron ( ion in Pl	g Living Ro C4)	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Ind Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (( Sediment Deposits Drift Deposits (B3) Surface Soil Cracks Inundation Visible of	dicators: one indica ) A2) (Nonriveri i (B2) (Nor (Nonriver s (B6) on Aerial In	ine) hriverine rine)	» 	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) overtebrate Sulfide O Rhizosphe of Reduce	dor (C1) eres alor ed Iron ( ion in Pl	g Living Ro C4)	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Inco Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (/ Sediment Deposits Drift Deposits (B3) Surface Soil Cracks Inundation Visible of X Water-Stained Leav	dicators: one indica ) A2) (Nonriveri i (B2) (Nor (Nonriver s (B6) on Aerial In	ine) hriverine rine)	» 	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) wertebrate Sulfide O Rhizosphe of Reduct	dor (C1) eres alor ed Iron ( ion in Pl	g Living Ro C4)	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Ind Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (( Sediment Deposits Drift Deposits (B3) Surface Soil Cracks Inundation Visible of X Water-Stained Leav Field Observations:	dicators: one indica ) (A2) (Nonriveri ( (Nonriver s (B6) on Aerial In ves (B9)	ine) nriverine) magery (	(B7)	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	st (B12) vertebrate Sulfide O Rhizosphe of Reduct on Reduct plain in Re	dor (C1) eres alor ed Iron ( ion in PI emarks)	g Living Ro C4) pwed Soils	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Ind Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (/ Sediment Deposits Drift Deposits (B3) Surface Soil Cracks Inundation Visible of Water-Stained Leav Field Observations: Surface Water Present?	dicators: one indica ) (Nonriveri ; (B2) (Nor (Nonriver s (B6) on Aerial In ves (B9) ? Y	ine) nriverine) magery (	(B7)	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex Depth (ir	st (B12) vertebrate Sulfide O Rhizosphe of Reduct on Reduct plain in Re nches):	dor (C1) eres alor ed Iron ( ion in Pl emarks)	g Living Ro C4) powed Soils	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Ind Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (( Sediment Deposits Drift Deposits (B3) Surface Soil Cracks Inundation Visible of X Water-Stained Leav Field Observations: Surface Water Present?	dicators: one indica ) (A2) (Nonriveri (Nonriver s (B6) on Aerial In ves (B9) ? Y	ine) nriverine rine) magery ( es es	(B7) No X	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex Depth (ir Depth (ir	st (B12) suffide O Rhizosphe of Reduce on Reduct plain in Re- aches): aches):	dor (C1) eres alor ed Iron ( ion in Pl emarks)	g Living Ro C4) owed Soils	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Inco Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (/ Sediment Deposits Drift Deposits (B3) Surface Soil Cracks Inundation Visible of X Water-Stained Leav Field Observations: Surface Water Present? Saturation Present?	dicators: one indica ) A2) (Nonriveri (B2) (Nor (Nonriver s (B6) on Aerial In ves (B9) ? Yu Yu	ine) nriverine rine) magery ( es es	(B7) No X	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex Depth (ir Depth (ir Depth (ir	st (B12) Sulfide O Rhizosphe of Reduct on Reduct plain in Re- nches): nches):	dor (C1) eres alor ed Iron ( ion in PI emarks)	g Living Ro C4) powed Soils	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Inco Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (/ Sediment Deposits Drift Deposits (B3) Surface Soil Cracks Inundation Visible of X Water-Stained Leav	dicators: one indica ) A2) (Nonriveri (B2) (Nor (Nonriver s (B6) on Aerial In ves (B9) ? Yu Yu	ine) nriverine rine) magery ( es es	(B7) No X	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex Depth (ir Depth (ir Depth (ir	st (B12) Sulfide O Rhizosphe of Reduct on Reduct plain in Re- nches): nches):	dor (C1) eres alor ed Iron ( ion in PI emarks)	g Living Ro C4) powed Soils	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Inc Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (( Sediment Deposits Drift Deposits (B3) Surface Soil Cracks Inundation Visible of X Water-Stained Leav Field Observations: Surface Water Present? Saturation Present? Saturation Present? (includes capillary fringe Describe Recorded Dat	dicators: one indica ) A2) (Nonriveri (B2) (Nor (Nonriver s (B6) on Aerial In ves (B9) ? Yu Yu	ine) nriverine rine) magery ( es es	(B7) No X	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex Depth (ir Depth (ir Depth (ir	st (B12) Sulfide O Rhizosphe of Reduct on Reduct plain in Re- nches): nches):	dor (C1) eres alor ed Iron ( ion in PI emarks)	g Living Ro C4) powed Soils	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Inc Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (( Sediment Deposits Drift Deposits (B3) Surface Soil Cracks Inundation Visible of X Water-Stained Leav Field Observations: Surface Water Present? Saturation Present? Saturation Present? (includes capillary fringe Describe Recorded Dat	dicators: one indica ) A2) (Nonriveri (B2) (Nor (Nonriver s (B6) on Aerial In ves (B9) ? Yu Yu	ine) nriverine rine) magery ( es es	(B7) No X	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex Depth (ir Depth (ir Depth (ir	st (B12) Sulfide O Rhizosphe of Reduct on Reduct plain in Re- nches): nches):	dor (C1) eres alor ed Iron ( ion in PI emarks)	g Living Ro C4) powed Soils	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Inco Primary Indicators (any Surface Water (A1) High Water Table (/ Saturation (A3) Water Marks (B1) (/ Sediment Deposits Drift Deposits (B3) Surface Soil Cracks Inundation Visible of X Water-Stained Leav Field Observations: Surface Water Present? Saturation Present?	dicators: one indica ) A2) (Nonriveri (B2) (Nor (Nonriver s (B6) on Aerial In ves (B9) ? Yu Yu	ine) nriverine rine) magery ( es es	(B7) No X	Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex Depth (ir Depth (ir Depth (ir	st (B12) Sulfide O Rhizosphe of Reduct on Reduct plain in Re- nches): nches):	dor (C1) eres alor ed Iron ( ion in PI emarks)	g Living Ro C4) powed Soils	oots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)

i.

W-11

WETLAND DETER		ON DATA	FORM -	Arid West Region
				o County Sampling Date: 00.05-20
Applicant/Owner: US POWEN		Sity/County.	- Sura.	State: Sampling Point: SP-2
	MOM	Section To	woshin Rar	nge: 500 T3N RIE
Landform (hillslope, terrace, etc.): +0010pe				
Subregion (LRR):	Lat: 35	2.078	688	Long: -121,833471 Datum: V.D.D.
Soil Map Unit Name: Valdez Sitt 1000 prain	1.0-7	17. 510	nes	NWI classification: DEMICH
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes	× No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology s				Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology n				eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map			a point la	ocations transects important features etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No		Is th	e Sampled in a Wetlan	Area
Wetland Hydrology Present? Yes <u>No</u> Remarks:	0			/~
VEGETATION				
	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Use scientific names.)		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.				
3				Total Number of Dominant Species Across All Strata:
4 Total Cover				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum 1.				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Herb Stratum Total Cover				FACU species         x 4 =           UPL species         x 5 =
1. RUMEN ONSIDUS	25	Y	FAC	Column Totals:         (A)         (B)
2. Pothpugen Monospelieusis	15	N	FACIN	
3. Districtions spicato	35	Y	FAC	Prevalence Index = B/A =
4. <u>Xanthium strumanium</u>	15	N	FAC UPL	Hydrophytic Vegetation Indicators: 
5. Bromus madn tensis 6. Cressa twxillensis	2	N	FACW	Prevalence Index is <3.0 <sup>1</sup>
		_14_	11.000	Morphological Adaptations <sup>1</sup> (Provide supporting
8.				data in Remarks or on a separate sheet)
Total Cover	99			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum				It directions of hudein call and watered hydrology must
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
2 Tetal Course				Hydrophytic
% Bare Ground in Herb Stratum % Cover	of Biotic C	6	)	Vegetation Present? Yes No No
Remarks:				

SOIL					_			Sampling Point:
Profile Desc	ription: (Describe	to the dep				r or confirm	n the absence of	f indicators.)
Depth	Matrix	0/		ox Features		Loc <sup>2</sup>	Texture	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type	LOC	CICI	
0-5.5	TOTE CU		1		-		SIUT-	
		00	0 51				0 10	
5.5-11	6.5152	98	104R 5/6	- L	0	YVI	Salo	
11-110	2.51 4/2	015	104F 4/6	5	C	M	Sicila_	
Type: C=C	oncentration, D=Dep	letion RM	Reduced Matrix.	<sup>2</sup> Location	: PL=P	ore Lining,	RC=Root Channe	el, M=Matrix.
Hydric Soil	Indicators: (Applic	able to al	I LRRs, unless othe				Indicators f	or Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red				1 cm Mi	uck (A9) (LRR C)
	pipedon (A2)		Stripped N				2 cm Mi	uck (A10) (LRR B)
	istic (A3)		Loamy Mu	cky Minera	al (F1)			d Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gle	eyed Matrix	(F2)		the second se	rent Material (TF2)
Stratifie	d Layers (A5) (LRR	C)		Matrix (F3)			Other (E	Explain in Remarks)
	uck (A9) (LRR D)			rk Surface				
	d Below Dark Surfac	æ (A11)		Dark Surfac				
	ark Surface (A12)			pressions (	(F8)		<sup>3</sup> Indicators of	of hydrophytic vegetation and
	Mucky Mineral (S1) Gleyed Matrix (S4)		Vernal Po	ois (F9)				hydrology must be present.
								, , ,
RESIDUTIVE								> /
	Layer (if present):	10 2	0"					$\checkmark$
Туре:	None	+0 2	.0 <sup>11</sup>				Hydric Soil	Present? Yes No
Type: Depth (in	None	+0 2	.011				Hydric Soil	Present? Yes No
Туре:	None	+0 2	.o <sup>11</sup>				Hydric Soil	Present? Yes No
Type: Depth (in	None	+0 2	<u>.0"</u>				Hydric Soil	Present? Yes No
Type: Depth (in	None	+0 2	0"				Hydric Soil	Present? Yes No
Type: Depth (in Remarks:	സ്	+0 2	<u>.0"</u>				Hydric Soil	Present? Yes No
Type: Depth (in Remarks:	<u></u> ches):		<u>.0"</u>					
Type: Depth (in Remarks: IYDROLO Wetland Hy	ୁମ୍ ches): GY drology Indicators						Secon	/ indary Indicators (2 or more required)
Type: Depth (in Remarks: IYDROLO Wetland Hy	<u></u> ches):		fficient)				<u>Secon</u>	/ ndary Indicators (2 or more required) /ater Marks (B1) (Riverine)
Type: Depth (in Remarks: IYDROLO Wetland Hy Primary India	ୁମ୍ ches): GY drology Indicators		fficient)				<u>Secon</u> W S	/ ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
Type: Depth (in Remarks: IYDROLO Wetland Hy Primary India Surface	GY drology Indicators cators (any one indic		fficient) Salt Cru: Biotic Cr	rust (B12)			<u>Secon</u> W S D	dary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
Type: Depth (in Remarks: IYDROLO Wetland Hy Primary India Surface	Monu ches): GY drology Indicators cators (any one indic Water (A1) ater Table (A2)		fficient) Salt Crus Biotic Cr Aquatic	rust (B12) Invertebrat			Secon W S D D	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Irrift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type: Depth (in Remarks: IYDROLO Wetland Hy Primary India Surface High Wa Saturati	Monu ches): GY drology Indicators cators (any one indic Water (A1) ater Table (A2)	: cator is su	fficient) Salt Cru: Biotic Cr Aquatic Hydroge	rust (B12) Invertebraten Sulfide C	Odor (C1	)	Secon W S D D D	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Type: Depth (in Remarks: IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M	Monu ches): GY drology Indicators cators (any one india Water (A1) ater Table (A2) on (A3)	: cator is su	fficient) Salt Cru: Biotic Cr Aquatic Hydroge ;) Oxidized	rust (B12) Invertebrat en Sulfide C d Rhizosph	Odor (C1 eres alo	) ng Living R	Secon W S D D D	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Irrift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type: Depth (in Remarks: IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedime	Monu ches): drology Indicators cators (any one indic Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver	: cator is su rine) porriverine	fficient) Salt Cru: Biotic Cr Aquatic Hydroge ;) Oxidized	rust (B12) Invertebraten Sulfide C	Odor (C1 eres alo	) ng Living R	Secon W S D D D D D D D	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Type: Depth (in Remarks: IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimei Drift De	Ches): Ches): GY drology Indicators cators (any one indic Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (No	: cator is su rine) porriverine	fficient) Salt Crus Biotic Cr Aquatic Hydroge s) Oxidized Presenc	rust (B12) Invertebrat In Sulfide C Rhizosph e of Reduc	Odor (C1 eres alo ced Iron	) ng Living R	Secon W S D D D D D D D D	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Wrift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7)
Type: Depth (in Remarks: TYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimes Drift Dej Surface	Ches): ches): GY drology Indicators cators (any one indic Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver	: cator is su rine) ponriverine erine)	fficient) Salt Crus Biotic Cr Biotic Cr Aquatic Hydroge b) Oxidizec Presenc Recent I	rust (B12) Invertebrat In Sulfide C Rhizosph e of Reduc	Odor (C1 eres alo ced Iron tion in P	) ng Living R (C4) lowed Soils	<u>Secon</u> 	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Type: Depth (in Remarks: IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimei Drift Dej Surface Inundati	Monu ches): GY drology Indicators cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (Nor posits (B3) (Nonrive Soil Cracks (B6)	: cator is su rine) ponriverine erine)	fficient) Salt Crus Biotic Cr Biotic Cr Aquatic Hydroge b) Oxidizec Presenc Recent I	rust (B12) Invertebrate In Sulfide C Rhizosphi e of Reduction Iron Reduction	Odor (C1 eres alo ced Iron tion in P	) ng Living R (C4) lowed Soils	Secon 	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9
Type: Depth (in Remarks: TYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimei Drift Dej Surface	Ches): ches): GY drology Indicators cators (any one india Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9)	: cator is su rine) ponriverine erine)	fficient) Salt Crus Biotic Cr Biotic Cr Aquatic Hydroge b) Oxidizec Presenc Recent I	rust (B12) Invertebrate In Sulfide C Rhizosphi e of Reduction Iron Reduction	Odor (C1 eres alo ced Iron tion in P	) ng Living R (C4) lowed Soils	Secon 	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3)
Type: Depth (in Remarks: HYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimer Drift Dep Surface Inundati Water-S	Ches): ches): GY drology Indicators cators (any one india Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial stained Leaves (B9) vations:	: cator is su rine) ponriverine erine)	fficient) Salt Crus Biotic Cr Aquatic Hydroge b)Oxidized Presenc Recent I B7)Other (E	rust (B12) Invertebrate In Sulfide C Rhizosphi e of Reduction Iron Reduction	Odor (C1 eres alo ced Iron tion in P temarks	) ng Living R (C4) lowed Soils	Secon 	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3)
Type: Depth (in Remarks: TYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser	Ches): ches): GY drology Indicators cators (any one india Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial itained Leaves (B9) vations: ter Present?	: cator is su ponriverine erine) Imagery (	fficient) Salt Cru: Biotic Cr Aquatic Hydroge b) Oxidized Presenc Recent I B7) Other (E	rust (B12) Invertebrat In Sulfide C I Rhizosphi e of Reduc Iron Reduc Explain in R	Odor (C1 eres alo ced Iron tion in P temarks	) ng Living R (C4) lowed Soils )	Secon 	Adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3)
Type: Depth (in Remarks: TYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimea Unift Dep Surface Inundati Water-S Field Obser Surface Water	GY drology Indicators cators (any one india Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) vations: ter Present?	rine) pariverine erine) Imagery (	fficient) Salt Crus Biotic Cr Aquatic Hydroge b)Oxidized Presenc Recent I B7)Other (E NoDepth (	ust (B12) Invertebrat In Sulfide C I Rhizosphie of Reduc iron Reduc ixplain in R inches): (inches):	Odor (C1 eres alo xed Iron tion in P demarks	) ng Living R (C4) lowed Soils )	Secon 	Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Prainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Depth (in Remarks: TYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimea Nuface Mater Sedimea Sedimea Surface Inundati Surface Inundati Water-S Field Obser Surface Water Surface Water Saturation P (includes ca	Ches): ches): GY drology Indicators cators (any one india Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) vations: ter Present? Present? pillary fringe)	rine) pariverine erine) Imagery ( Yes Yes	fficient) Salt Cruz Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I B7) Other (E No Depth ( No Depth (	ust (B12) Invertebrat In Sulfide C I Rhizosph e of Reduc iron Reduc iron Reduc inches): (inches):	Odor (C1 eres alo æd Iron tion in P temarks	) ng Living R (C4) lowed Soils ) W	Secon 	Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Prainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Depth (in Remarks: TYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimea Nuface Mater Sedimea Sedimea Surface Inundati Surface Inundati Water-S Field Obser Surface Water Surface Water Saturation P (includes ca	Ches): ches): drology Indicators cators (any one india Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial itained Leaves (B9) vations: ter Present? Present? resent?	rine) pariverine erine) Imagery ( Yes Yes	fficient) Salt Cruz Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I B7) Other (E No Depth ( No Depth (	ust (B12) Invertebrat In Sulfide C I Rhizosph e of Reduc iron Reduc iron Reduc inches): (inches):	Odor (C1 eres alo æd Iron tion in P temarks	) ng Living R (C4) lowed Soils ) W	Secon 	Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Prainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Depth (in Remarks: TYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimea Nuface Mater Sedimea Sedimea Surface Inundati Surface Inundati Water-S Field Obser Surface Water Surface Water Saturation P (includes ca	Ches): ches): GY drology Indicators cators (any one india Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) vations: ter Present? Present? pillary fringe)	rine) pariverine erine) Imagery ( Yes Yes	fficient) Salt Cruz Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I B7) Other (E No Depth ( No Depth (	ust (B12) Invertebrat In Sulfide C I Rhizosph e of Reduc iron Reduc iron Reduc inches): (inches):	Odor (C1 eres alo æd Iron tion in P temarks	) ng Living R (C4) lowed Soils ) W	Secon 	Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Prainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3) FAC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM – Arid West Region
Project/Site: Collinsville City/County: Solono Conty Sampling Date: 6/5/29
Applicant/Owner: LS POWEr State: CA Sampling Point: SP-3
Investigator(s): KATEN Bach, VICtoria Yefrenenkala Section, Township, Range: SOD +3N RIE
Landform (hillslope, terrace, etc.): toestone Local relief (concave, convex, none): fut Slope (%): O
Subregion (LRR): LARC Lat: 38,078891 Long: -121.833593 Datum: NAD83
Soil Map Unit Name: Valder Site land, Drand, O-22 Sione NWI classification: PEMICh
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes No       Is the Sampled Area within a Wetland?       Yes No

Yes

No

VEGETATION	VE	GE	TAT	<b>FION</b>	
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Remarks:

Wetland Hydrology Present?

Tree Stratum (Use scientific names.) <b>(</b> =30 <sup>1</sup> )	Absolute % Cover	Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
3.				Total Number of Dominant Species Across All Strata:	2 (B)
4 Total Cover Sapling/Shrub Stratum (= 15 <sup>1</sup>	0			Percent of Dominant Species That Are OBL, FACW, or FAC:	50 % (A/B)
1				Prevalence Index worksheet:	
2.					Multiply by:
3				OBL species x 1	=
4				FACW species x 2	=
5.				FAC species x 3	=
Total Cover	0	_		FACU species x 4	=
Herb Stratum (55)		-		UPL species x 5	=
1. Festuca perennis	60	_Y_	FAC	Column Totals: (A)	
2. Bromus madritunsis	45	¥_	UPL		
3. Frunchia sulina	5	N	FACW	Prevalence Index = B/A =	
4. Rumex crispus	1	N	FAC	Hydrophytic Vegetation Indicate	ors:
	8	N	FAC	Dominance Test is >50%	
5. Distichtis sainta		_/*		Prevalence Index is ≤3.0 <sup>1</sup>	
6				Morphological Adaptations <sup>1</sup> (	Provide supporting
7	·			data in Remarks or on a s	eparate sheet)
8	110			Problematic Hydrophytic Veg	etation <sup>1</sup> (Explain)
Total Cover	: 117	-			
Woody Vine Stratum (= 15'				<sup>1</sup> Indicators of hydric soil and wetle	and hydrology must
1				be present.	
2	-				
Total Cover	: <u> </u>	-		Hydrophytic Vegetation	V
% Bare Ground in Herb Stratum % Cover	r of Biotic C	Crust(	<u> </u>	Present? Yes	No X
Remarks:					

# SOIL

-	cription: (Describe								
Depth (inches)	Matrix Color (moist)	%	Color (moist)	Feature %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-5	104R 2/1	100					Lo		
5-15	2.573/2	601			_		5		
	Concentration, D=Dep					re Lining,	RC=Root Channel,	M=Matrix. r Problematic Hydric Soils <sup>3</sup> :	
Hydric Soli Histoso	Indicators: (Applic	able to all			tea.)			k (A9) (LRR C)	
	pipedon (A2)		Sandy Redo Stripped Ma					ck (A10) (LRR B)	
	listic (A3)		Loamy Muc				Reduced Vertic (F18)		
	en Sulfide (A4)		Loamy Gley					ent Material (TF2)	
	d Layers (A5) (LRR	C)	Depleted Ma				Other (Explain in Remarks)		
	uck (A9) (LRR D)	0)	Redox Dark						
	ed Below Dark Surfac	e (A11)	Depleted Da						
	ark Surface (A12)		Redox Depi						
	Mucky Mineral (S1)				()		<sup>3</sup> Indicators of hydrophytic vegetation and		
Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4)						wetland hydrology must be present.			
Restrictive	Layer (if present):								
Type: N	tone to 20"								
Depth (inches):						Hydric Soil P	resent? Yes No		
Depth (in									

# HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient)	Water Marks (B1) (Riverine)
	B12)        Drift Deposits (B3) (Riverine)         ebrates (B13)        Drainage Patterns (B10)         fide Odor (C1)        Dry-Season Water Table (C2)         cospheres along Living Roots (C3)        Thin Muck Surface (C7)         Reduced Iron (C4)        Crayfish Burrows (C8)         Reduction in Plowed Soils (C6)        Saturation Visible on Aerial Imagery (C9)
Field Observations:	
Surface Water Present? Yes No X Depth (inche	us):
Water Table Present? Yes No X Depth (inche	is):
Saturation Present? Yes No X Depth (inche (includes capillary fringe)	es): Wetland Hydrology Present? Yes No _X
Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if available:
Remarks:	

W

Project/Site: Collingwill		City/County:	oluno, county	Sampling Date: 6/6/29
Applicant/Owner: LS POWG			State: CA	Sampling Point: 59-1
Investigator(s): Karen Bach	Victoria Vetre	makoun Section, Townsh	ip, Range: $S \phi \phi T$	3N RIE
Landform (hillslope, terrace, etc.):		Local relief (con	cave, convex, none):	Slope (%):
Subregion (LRR): LRRC	-	Lat: 38.07813	9 Long: -121,8	38506 Datum: NAD83
Soil Map Unit Name: Vardez	Silty clay	1000 clay Subs	trutum NWI clas	sification:
Are climatic / hydrologic conditions	on the site typical for	this time of year? Yes X	No (If no, explain	in Remarks.)
		significantly disturbed?	Are "Normal Circumstance	es" present? Yes X No
Are Vegetation, Soil	, or Hydrology	_ naturally problematic?	(If needed, explain any an	swers in Remarks.)

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>X</u> No Yes <u>X</u> No Yes <u>X</u> No	Is the Sampled Area within a Wetland?	Yes _X No
Remarks:			

Tree Stratum       (Use scientific names.) $r = 30^1$ 1.			<u>Status</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC	<u> </u>
1				Prevalence Index worksheet	
2				Total % Cover of:	
3.				OBL species	
4.	· · · · · · · · · · · · · · · · · · ·			FACW species	
5.				FAC species	
Total Cover	. 0			FACU species	x 4 =
Herb Stratum V=5	5		001	UPL species	x 5 =
1. Schoeropectos acutoss. accidentalis	5	N	OBL	Column Totals:	(A) (B)
2. Lepidium latifolium	0		FAC		
3. Dukchhis spicater	8	- <u>-</u> /	FAC	Prevalence Index = B/A	
4. Bolboschoenus marikimus	3	N	OBL	Hydrophytic Vegetation Ind	
5. Atripuex prostruta	10	- Y.	FACW		
6. Heliotropom curasmicum	2	N	FACU	Prevalence Index is ≤3.0	
7. RUMER Crispus	1	N	FAC	Morphological Adaptatio data in Remarks or o	ns <sup>1</sup> (Provide supporting n a separate sheet)
8	1			Problematic Hydrophytic	
Total Cove	r. 31	_			
Woody Vine Stratum r=15				<sup>1</sup> Indicators of hydric soil and	wetland hydrology must
1			-	be present.	welland hydrology must
2				-	
Total Cove		_ Crust	10	Hydrophytic Vegetation Present? Yes _/	X_ No
Remarks:	1.1.1.1.2				
Remains.					

Profile Description: (Descr	be to the de	pth needed to docum	ent the	indicator	or confir	m the absence	e of indicators.)
Depth Matr	x	1 1 11	Feature				
(inches) Color (moist	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4 LOYRZ	1 99	7.5 YR 3/4	1	C	M	Sa	Organic water als Porge
4-9.5 54 41	1 91	104/2 3/4	9	L	M	Losa	
9.5-16 2.54 3/	2 97	10412 4/4	В	L	M	Sa	
Type: C=Concentration, D=L ydric Soil Indicators: (App	epletion, RM licable to al	1=Reduced Matrix. <sup>2</sup> I LRRs, unless otherv	Locatior	n: PL=Por ed.)	re Lining, I	Indicators	s for Problematic Hydric Soils <sup>3</sup> :
<ul> <li>Histosol (A1)</li> <li>Histic Epipedon (A2)</li> <li>Black Histic (A3)</li> <li>Hydrogen Sulfide (A4)</li> <li>Stratified Layers (A5) (LR)</li> </ul>	₹ C)	Sandy Redox Stripped Mate Loamy Muck Loamy Gleye Depleted Mate	rix (S6) y Minera d Matrix trix (F3)	(F2)		2 cm Reduc Red F	Muck (A9) (LRR C) Muck (A10) (LRR B) ced Vertic (F18) Parent Material (TF2) (Explain in Remarks)
<ul> <li>1 cm Muck (A9) (LRR D)</li> <li>Depleted Below Dark Surf</li> <li>Thick Dark Surface (A12)</li> <li>Sandy Mucky Mineral (S1)</li> <li>Sandy Gleyed Matrix (S4)</li> </ul>		Redox Dark \$ Depleted Dar Redox Depre Vernal Pools	k Surfac ssions (I	æ (F7)			of hydrophytic vegetation and hydrology must be present.
_ oundy oneyed matrix (04)						wettand	i nyulology must be present.
strictive Layer (if present)	2			1		wetiand	nyulology must be present.
1 1			-	/		wettand	. /
Type: toO <sup>II</sup> Depth (inches):			~	/		Hydric Soil	V
Depth (inches):			1				V
Type: to 2011			)			Hydric Soil	V
DROLOGY			)			Hydric Soil	Present? Yes <u>No</u> No
Strictive Layer (if present)         Type:       10         Type:       10         Depth (inches):       10         Imarks:       10         DROLOGY       10         tland Hydrology Indicators       10         nary Indicators (any one indicators       10         Surface Water (A1)       10		_∞ Salt Crust (B				Hydric Soil	Present? Yes <u>No</u> No <u>ndary Indicators (2 or more required)</u>
Strictive Layer (if present)         Type:       Image: Control of the cont		_≫ Salt Crust (B _★ Biotic Crust (	B12)			Hydric Soil	Present? Yes No ndary Indicators (2 or more required) Vater Marks (B1) (Riverine)
Strictive Layer (if present)         Type:       Image: Control of the cont	: cator is suffi	_≫ Salt Crust (B _X Biotic Crust ( Aquatic Iàver	B12) tebrates			Hydric Soil	Present? Yes <u>No</u> <u>No</u> <u>Indary Indicators (2 or more required)</u> Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Strictive Layer (if present)         Type:       Image: Control of the cont	: cator is suffi	_≫ Salt Crust (B	B12) tebrates	or (C1)		Hydric Soil	I Present? Yes No Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2)
Strictive Layer (if present)         Type:       Image: Constraint of the constraint of th	: cator is suffi ine) nriverine)	<ul> <li>➢ Salt Crust (B</li> <li>✗ Biotic Crust (</li> <li>Aquatic Iòvei</li> <li>Hydrogen Su</li> <li>Oxidized Rhi</li> </ul>	B12) tebrates lifide Od zospher	or (C1) es along L		Hydric Soil <u>Secon </u> <u>Secon </u> Secon L S L C L L L L L L L L	I Present? Yes <u>No</u> <u>No</u> Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7)
Strictive Layer (if present)         Type:       Image: Constraint of the constraint of th	: cator is suffi ine) nriverine)	<ul> <li>➢ Salt Crust (B</li> <li>✗ Biotic Crust (</li> <li>Aquatic Iàver</li> <li>Hydrogen Su</li> <li>Oxidized Rhi</li> <li>Presence of</li> </ul>	B12) tebrates lifide Od zosphere Reduced	or (C1) es along L d Iron (C4	)	Hydric Soil <u>Secon </u> <u>Secon </u> Secon L S L C L L L L L L L L	I Present? Yes No Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Strictive Layer (if present)         Type:       Image: Control of the cont	: cator is suffi rine) nriverine) rine)	<ul> <li>➢ Salt Crust (B</li> <li>✗ Biotic Crust (</li> <li>Aquatic Iàves</li> <li>Hydrogen Su</li> <li>Oxidized Rhi</li> <li>Presence of</li> <li>ℜecent Iron F</li> </ul>	B12) tebrates lifide Od zospher Reduced Reductio	or (C1) es along L d Iron (C4 on in Plowe	)	Hydric Soil  Hydric Soil  Secon  Secon Secon  Secon Secon  Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Seco	I Present? Yes No Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Strictive Layer (if present)         Type:       Image: Constraint of the constraint of th	: cator is suffi rine) nriverine) rine)	<ul> <li>➢ Salt Crust (B</li> <li>✗ Biotic Crust (</li> <li>Aquatic Iàves</li> <li>Hydrogen Su</li> <li>Oxidized Rhi</li> <li>Presence of</li> <li>ℜecent Iron F</li> </ul>	B12) tebrates lifide Od zospher Reduced Reductio	or (C1) es along L d Iron (C4 on in Plowe	)	Hydric Soil  Hydric Soil  Secon  Secon Secon  Secon Secon  Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Seco	I Present? Yes No Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orianage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Strictive Layer (if present)         Type:       Image: Control of the cont	: cator is suffi nriverine) rine) magery (B7	<ul> <li>➢ Salt Crust (B</li> <li>✗ Biotic Crust (</li> <li>Aquatic làver</li> <li>Hydrogen Su</li> <li>Oxidized Rhi</li> <li>Presence of</li> <li>Recent Iron F</li> <li>Other (Explain</li> </ul>	B12) rtebrates lifide Od zosphen Reduced Reductio in in Rer	or (C1) es along L d Iron (C4 n in Plowe narks)	) ed Soils ((	Hydric Soil  Hydric Soil  Secon  Secon Secon  Secon Secon  Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Seco	I Present? Yes No Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Setrictive Layer (if present)         Type:       Image: Construction of the con	ine) nriverine) rine) magery (B7	<ul> <li>Salt Crust (B</li> <li>Biotic Crust (</li> <li>Aquatic lives</li> <li>Hydrogen Su</li> <li>Oxidized Rhi</li> <li>Presence of</li> <li>Recent Iron F</li> <li>Other (Explain</li> </ul>	B12) rtebrates Ilfide Od zosphen Reduced Reductio in in Rer	or (C1) es along L d Iron (C4 on in Plowe marks)	) ed Soils ((	Hydric Soil  Hydric Soil  Secon  Secon Secon  Secon Secon  Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Seco	I Present? Yes No Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Setrictive Layer (if present)         Type:       Image: Control of the con	ine) nriverine) rine) magery (B7 es N es N es N	<ul> <li>Salt Crust (B</li> <li>Biotic Crust (</li> <li>Aquatic lives</li> <li>Hydrogen Su</li> <li>Oxidized Rhi</li> <li>Presence of</li> <li>Recent Iron F</li> <li>Other (Explain</li> </ul>	B12) rtebrates lifide Od zosphen Reduced Reductio in in Rer es): es): es):	or (C1) es along L d Iron (C4) on in Plowe narks) 5 5 5 5	) ed Soils ((	Hydric Soil Secon Secon V S C D S C S S C S S C S S S S S S S S S S S S S	I Present? Yes No Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Strictive Layer (if present)         Type:       Image: Control of the cont	ine) nriverine) rine) magery (B7 es N es N es N	<ul> <li>Salt Crust (B</li> <li>Biotic Crust (</li> <li>Aquatic lives</li> <li>Hydrogen Su</li> <li>Oxidized Rhi</li> <li>Presence of</li> <li>Recent Iron F</li> <li>Other (Explain</li> </ul>	B12) rtebrates lifide Od zosphen Reduced Reductio in in Rer es): es): es):	or (C1) es along L d Iron (C4) on in Plowe narks) 5 5 5 5	) ed Soils ((	Hydric Soil Secon Secon V S C D S C S S C S S C S S S S S S S S S S S S S	I Present? Yes No Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
estrictive Layer (if present)         Type:       Image: Construction of the con	ine) nriverine) rine) magery (B7 es N es N es N	<ul> <li>Salt Crust (B</li> <li>Biotic Crust (</li> <li>Aquatic lives</li> <li>Hydrogen Su</li> <li>Oxidized Rhi</li> <li>Presence of</li> <li>Recent Iron F</li> <li>Other (Explain</li> </ul>	B12) rtebrates lifide Od zosphen Reduced Reductio in in Rer es): es): es):	or (C1) es along L d Iron (C4) on in Plowe narks) 5 5 5 5	) ed Soils ((	Hydric Soil Secon Secon V S C D S C S S C S S C S S S S S S S S S S S S S	I Present? Yes No Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Setrictive Layer (if present)         Type:       Image: Control of the con	ine) nriverine) rine) magery (B7 es N es N es N	<ul> <li>Salt Crust (B</li> <li>Biotic Crust (</li> <li>Aquatic lives</li> <li>Hydrogen Su</li> <li>Oxidized Rhi</li> <li>Presence of</li> <li>Recent Iron F</li> <li>Other (Explain</li> </ul>	B12) rtebrates lifide Od zosphen Reduced Reductio in in Rer es): es): es):	or (C1) es along L d Iron (C4) on in Plowe narks) 5 5 5 5	) ed Soils ((	Hydric Soil Secon Secon V S C D S C S S C S S C S S S S S S S S S S S S S	I Present? Yes No Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

1.10

Project/Site:	City/County: Solard C	ounty	Sampling Date: 6/6/24
Applicant/Owner: LS POW-6-		State: CA	Sampling Point: 59-2
Investigator(s): Karen Bach, Victoria Yelremonu	Section, Township, Range:	STO T3A	) RIE
Landform (hillslope, terrace, etc.): footslope			
Subregion (LRR): LRC Lat			
Soil Map Unit Name: Valder Sitty Clag-loam,	aun substration.	NWI classifi	cation: <u>VA</u>
Are climatic / hydrologic conditions on the site typical for this time			
Are Vegetation, Soil, or Hydrology signific	antly disturbed? Are "Norm	mal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology natura	lly problematic? (If neede	d, explain any answ	ers in Remarks.)

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland?	Yes No
Remarks: Slightly elevated Grea G	abacint to sp.1.		

## VEGETATION

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Use scientific names.) (= 30 <sup>1</sup> 1	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC	2 (A)
2				Total Number of Dominant	
3				Species Across All Strata:	2 (B)
4.					、 ,
Sapling/Shrub Stratum r= 15 Total Cover	Ð			Percent of Dominant Species That Are OBL, FACW, or FAC	: <u>)00</u> (A/B)
1.	(			Prevalence Index worksheet	t:
2				Total % Cover of:	Multiply by:
3				OBL species	x 1 =
4.				FACW species	
5				FAC species	
₽=\$ Total Cover	Ø			FACU species	
Herb Stratum		,		UPL species	
1. VZP: Asum lutafolium	100	Y	FAC	Column Totals:	
2. Schoplactic achini vor.	3	N	OBL		(0)
s. becidenteins			122	Prevalence Index = B/	A =
a Fusture purchas			FAC	Hydrophytic Vegetation Inc	licators:
5		1		X Dominance Test is >50%	6
5 5				Prevalence Index is ≤3.0	
				Morphological Adaptatio	
7				data in Remarks or o	
3	15.6			Problematic Hydrophytic	c Vegetation <sup>1</sup> (Explain)
Noody Vine Stratum イーバ	158	-			
1				<sup>1</sup> Indicators of hydric soil and	wetland hydrology must
				be present.	
Z	the			- Uudrankutia	
Total Cover	-p_	-		Hydrophytic Vegetation	/
% Bare Ground in Herb Stratum % Cover	of Biotic C	Crust	0	Present? Yes	≦ No

W-12

	cription: (Describe t	o the dep	oth needed t				or commi	the absence of	, manoananany
Depth (inches)	Color (moist)	%	Color (m		Feature %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-2	10YR 2/2	99	WYR	3/4	1	C	M/PL	- (1LO	
7-66	7.54 2/1	95	7.5 Yn		5 5	L	MIPL	Jacillo	redox provening
1-65	201 2/1	10		3/4	25	6	MPL	Sa	
6-9,5	2.5/ 4/6	45	1.571	1	33		- repe		
9.5-16	54 4/1	97	10 YR	3/6	3	6	Μ	<b>S</b> a	
				_	the set	1			
Type: C=Co	oncentration, D=Deple	tion, RM	=Reduced M	atrix.	<sup>2</sup> Location	n: PL=Por	e Lining, R	C=Root Channe	I, M=Matrix.
5 - C - C - C - C - C - C - C - C - C -	Indicators: (Applica	ble to all				ed.)			or Problematic Hydric Soils <sup>3</sup> :
Histosol				dy Redo					ck (A9) (LRR C) ck (A10) (LRR B)
	bipedon (A2)			ped Mat					Vertic (F18)
Black Hi	n Sulfide (A4)			-	y Minera ed Matrix				ent Material (TF2)
	Layers (A5) (LRR C)			leted Ma		(12)			xplain in Remarks)
	ck (A9) (LRR D)				Surface (	(F6)		-	
	Below Dark Surface	(A11)			rk Surfac				
_ Thick Da	rk Surface (A12)		Red	ox Depre	essions (I	F8)		1000	of the state of the second state of the
	lucky Mineral (S1)		Verr	al Pools	(F9)				hydrophytic vegetation and
	leyed Matrix (S4)							wetland hy	drology must be present.
estrictive L	ayer (if present):								
Type:	ayer (if present):								
Type: <u>1</u> Depth (inc	ayer (if present):		_					Hydric Soil Pr	resent? Yes <u>X</u> No
Restrictive L Type: <u>1</u> Depth (inc lemarks: <b>/DROLOC</b>	ayer (if present): 0 2 10 20 <sup>11</sup> thes):								
Restrictive L Type: <u>1</u> Depth (inc Remarks: (DROLOC /etland Hyd	ayer (if present):		· · ·					Seconda	ry Indicators (2 or more required)
Restrictive L Type: Depth (inc Remarks: COROLOO /etland Hyd rimary Indica	ayer (if present): CAL TO 20 <sup>11</sup> thes): thes): GY rology Indicators: ators (any one indicators)	or is suffi			2441			<u>Seconda</u> Wat	ury Indicators (2 or more required) er Marks (B1) (Riverine)
Restrictive L Type: Depth (inc remarks: TOROLOO Vetland Hyd rimary Indica Surface V	ayer (if present): CAL TO 20 <sup>11</sup> thes): thes): GY rology Indicators: ators (any one indicators) Vater (A1)	or is suffic	Sal	t Crust (E				Seconda Wat	ury Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine)
Type: Depth (inc emarks:	ayer (if present): CAL 10 20 <sup>11</sup> thes): thes): thes): BY rology Indicators: ators (any one indicators) vater (A1) er Table (A2)	or is suffi	Sal Bio	tic Crust	(B12)	- (B12)		<u>Seconda</u> Wat Sedi Drift	ry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
Restrictive L Type: Depth (inc lemarks: /DROLOO /etland Hyd rimary Indica Surface V High Wat Saturation	ayer (if present):		Sal Bio Aqu	tic Crust atic Inve	(B12) ertebrates			Seconda Wate Sedi Drift Drai	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10)
Restrictive L Type: Depth (inc lemarks: //DROLOO /etland Hyd rimary Indica Surface V High Wat Saturatiou Water Ma	ayer (if present):	9)	Sal Bio Aqu Hyc	tic Crust latic Inve lrogen S	(B12) ertebrates ulfide Od	dor (C1)	iving Post	Seconda Wate Sedi Drift Drai Dry-	ry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2)
Restrictive L Type: Depth (inc Remarks: Remarks: /DROLOO /etland Hyd /rimary Indica Surface V High Wat Saturation Water Ma Sediment	ayer (if present):	e) verine)	Sal Bio Aqu Hyo Oxi	tic Crust latic Inve lrogen S dized Rh	(B12) ertebrates ulfide Od izospher	dor (C1) res along L	iving Root:	Seconda Wate Sedi Drift Drai Dry- s (C3) Thin	ry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7)
Restrictive L Type: Depth (inc Remarks: /DROLOO /etland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo	ayer (if present): A D 20 <sup>11</sup> thes): ahes): ahes): ators (any one indicators: ators (any one indicators) ators (ators (at	e) verine)	Sal Bio Aqu Hyo Oxi Pre	tic Crust latic Inve lrogen S dized Rh sence of	(B12) ertebrates ulfide Od izospher Reduce	dor (C1) res along L d Iron (C4	)	<u>Seconda</u> Wate Sedi Drift Drai Dry- s (C3) Thin Cray	rry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) offish Burrows (C8)
Restrictive L Type: Depth (inc temarks: /DROLOC /etland Hyd rimary Indica Surface V High Wat Saturation Saturation Sediment Sediment Surface S	ayer (if present): A 20 <sup>11</sup> thes): ators (any one indicators: ators (any one indicators): ators (a	e) iverine) e)	Sal Bio Aqu Hyo Oxi Pre Rec	tic Crust natic Inve Irogen S dized Rh sence of cent Iron	(B12) ertebrates ulfide Od izospher Reduces Reductio	dor (C1) res along L d Iron (C4 on in Plowe		<u>Seconda</u> Watu Sedi Drift Drai Dry- s (C3) Thin Cray 5) Satu	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) offish Burrows (C8) uration Visible on Aerial Imagery (C9)
	ayer (if present): A 20 <sup>11</sup> thes): ators (any one indicators: ators (any one indicators) ators (any one indicators) ators (A1) er Table (A2) n (A3) urks (B1) (Nonriverine bosits (B3) (Nonriverine coil Cracks (B6) n Visible on Aerial Image	e) iverine) e)	Sal Bio Aqu Hyo Oxi Pre Rec	tic Crust natic Inve Irogen S dized Rh sence of cent Iron	(B12) ertebrates ulfide Od izospher Reduce	dor (C1) res along L d Iron (C4 on in Plowe	)	<u>Seconda</u> Wate Sedi Drift Drai Dry- s (C3) Thin Cray 5) Satu Sha	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) offish Burrows (C8) uration Visible on Aerial Imagery (C9) Ilow Aquitard (D3)
testrictive L Type: Depth (incl temarks:  TDROLOO Temarks:  TDROLOO Tetland Hyd Timary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta	ayer (if present): A 20 <sup>(1)</sup> thes): thes): ators (any one indicators: ators (B1) (Nonriverine ators (B2) (Nonriverine ators (B3) (Nonriverine ators (B6) n Visible on Aerial Ima ators (B9)	e) iverine) e)	Sal Bio Aqu Hyo Oxi Pre Rec	tic Crust natic Inve Irogen S dized Rh sence of cent Iron	(B12) ertebrates ulfide Od izospher Reduces Reductio	dor (C1) res along L d Iron (C4 on in Plowe	)	<u>Seconda</u> Wate Sedi Drift Drai Dry- s (C3) Thin Cray 5) Satu Sha	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) offish Burrows (C8) uration Visible on Aerial Imagery (C9)
Type: Depth (inc emarks: TOROLOO Tetland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta eld Observation	ayer (if present): A 20 <sup>11</sup> thes): ators (any one indicators: ators (B1) (Nonriverine ators (B2) (Nonriverine ators (B3) ators (B3) ators (B3)	e) verine) e) agery (B7	Sal Bio Aqu Hyo Oxi Pre Rec ) Oth	tic Crust latic Inve lrogen S dized Rh sence of sent Iron er (Expla	(B12) ertebrates ulfide Od izospher Reduces Reductio ain in Rer	dor (C1) res along L d Iron (C4 on in Plow marks)	) ed Soils (C	<u>Seconda</u> Wate Sedi Drift Drai Dry- s (C3) Thin Cray 5) Satu Sha	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) offish Burrows (C8) uration Visible on Aerial Imagery (C9) Ilow Aquitard (D3)
testrictive L Type: Depth (inc temarks:  TDROLOO Tetland Hyd rimary Indica	ayer (if present): A 20 thes): ators (any one indicators: ators (any one indicators): ators (any one indicators): ators (any one indicators): ators (any one indicators): ators (B1) (Nonriverine): bosits (B1) (Nonriverine): bosits (B3) (Nonriver	e) verine) e) agery (B7	Sal Bio Aqu Hyo Yoxi Pre Rec ) Oth	tic Crust atic Inve Irogen S dized Rh sence of eent Iron er (Expla pth (inch	(B12) ertebrates ulfide Od izospher Reduces Reductio ain in Res es):	dor (C1) res along L d Iron (C4 on in Plow marks)	) ed Soils (C	<u>Seconda</u> Wate Sedi Drift Drai Dry- s (C3) Thin Cray 5) Satu Sha	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) offish Burrows (C8) uration Visible on Aerial Imagery (C9) llow Aquitard (D3)
Restrictive L Type: Depth (inc Remarks: /DROLOO /etland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Urface S Inundation Water-Sta eld Observa urface Water fater Table P aturation Pre	ayer (if present): A 20 a 20	e) (verine) e) agery (B7 N	Sal Bio Aqu Hyo Oxi Pre Rec ) Oth	tic Crust latic Inve lrogen S dized Rh sence of ent Iron er (Expla pth (inch pth (inch	(B12) ertebrates ulfide Od izospher Reduce Reductio ain in Rer es): es):	dor (C1) res along L d Iron (C4 on in Plowe marks)	) ed Soils (C	<u>Seconda</u> Watu Sedi Drift Dry- s (C3) Thin Cray 5) Satu Shatu FAC	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) offish Burrows (C8) uration Visible on Aerial Imagery (C9) Ilow Aquitard (D3)
Restrictive L Type: Depth (inc Remarks: YDROLOO Vetland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Sediment Sediment Sediment Surface S Inundation Water-Sta ield Observater /ater Table P aturation Pre- aturation Pre-	ayer (if present): A 20 a 20	e)  verine) e) N N	Sal Bio Aqu Hyo Oxi Pre Rec ) Oth Oth De lo De	tic Crust latic Inve lrogen S dized Rh sence of eent Iron er (Expla pth (inch pth (inch	(B12) ertebrates ulfide Od izospher Reduce Reductio ain in Rer es): es): es):	dor (C1) res along L d Iron (C4 on in Plowe marks)	) ed Soils (Cr 	Seconda Watu Sedi Drift Dry- s (C3) Thin Cray 6) Satu Shatu FAC hd Hydrology P	Iry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) Muck Surface (C7) fish Burrows (C8) irration Visible on Aerial Imagery (C9) llow Aquitard (D3) 2-Neutral Test (D5)
Restrictive L Type: Depth (inc Remarks: /DROLOO /etland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Sediment Sediment Surface S Inundation Water-Sta eld Observa urface Water fater Table P aturation Pre- coludes capil	ayer (if present): A 20 a 20	e)  verine) e) N N	Sal Bio Aqu Hyo Oxi Pre Rec ) Oth Oth De lo De	tic Crust latic Inve lrogen S dized Rh sence of eent Iron er (Expla pth (inch pth (inch	(B12) ertebrates ulfide Od izospher Reduce Reductio ain in Rer es): es): es):	dor (C1) res along L d Iron (C4 on in Plowe marks)	) ed Soils (Cr 	Seconda Watu Sedi Drift Dry- s (C3) Thin Cray 6) Satu Shatu FAC hd Hydrology P	Iry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) Muck Surface (C7) fish Burrows (C8) irration Visible on Aerial Imagery (C9) llow Aquitard (D3) 2-Neutral Test (D5)
A strictive L Type: Depth (incleaned and the second and th	ayer (if present): A 20 a 20	e)  verine) e) N N	Sal Bio Aqu Hyo Oxi Pre Rec ) Oth Oth De lo De	tic Crust latic Inve lrogen S dized Rh sence of eent Iron er (Expla pth (inch pth (inch	(B12) ertebrates ulfide Od izospher Reduce Reductio ain in Rer es): es): es):	dor (C1) res along L d Iron (C4 on in Plowe marks)	) ed Soils (Cr 	Seconda Watu Sedi Drift Dry- s (C3) Thin Cray 6) Satu Shatu FAC hd Hydrology P	Iry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) Muck Surface (C7) fish Burrows (C8) uration Visible on Aerial Imagery (C9) low Aquitard (D3) 2-Neutral Test (D5)

	City/County: Soland County Sampling Date: 6/6/27
Project/Site: 0)/201/10	6/6/24
	City/County: Solund County Sampling Date:
Applicant/Owner: LS FOWE	State: Cr Sampling Fount. 2
Investigator(s): Kuren Buch, Victoria yefre	normal Section, Township, Range: SOB T3N RIE
Landform (hillslone terrace etc): Back 10000	Local relief (concave, convex, none): Slope (%): 10
Subregion (IRR): / RRC.	Lat: 38.078393 Long: -12.8383.81 Datum: NAD 83
Soil Map Unit Name: Valdez Silty Clay LOGM	CIAY Substantum NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for thi	is time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	
Are Vegetation, Soil, or Hydrology	
	showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	No Is the Sampled Area
Hydric Soil Present? Yes N	within a Wetland? Yes No
Wetland Hydrology Present? Yes N	

r: 0 90			Number of Dominant Species       5       (A)         That Are OBL, FACW, or FAC:       5       (B)         Total Number of Dominant       5       (B)         Percent of Dominant Species       100       (A/B)
r: 0 90		=	Species Across All Strata: (B) Percent of Dominant Species
r: 0 90			Percent of Dominant Species
90	V		
90	V		
	V		
		FAC	Prevalence Index worksheet:
	/		Total % Cover of: Multiply by:
			OBL species x 1 =
			FACW species x 2 =
			FAC species x 3 =
90		_	FACU species x 4 =
	,		UPL species x 5 =
3	<u> </u>	FACW	Column Totals: (A) (B)
5	<u> </u>	FACW	
1	Y	FACW	Prevalence Index = B/A =
G	Ý	FAC	Hydrophytic Vegetation Indicators:
	-/-		Ď Dominance Test is >50%
			Prevalence Index is ≤3.0 <sup>1</sup>
			Morphological Adaptations <sup>1</sup> (Provide supporting
			data in Remarks or on a separate sheet)
14			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
			be present.
0			Hydrophytic Vegetation
of Biotic Cr	rust		Present? Yes <u>No</u>
	<u> </u>	3 Y 5 Y 15 Y 5 Y 15 Y 19	3 Y FACW 5 Y FACW 1 Y FACW 5 Y FAC 5 Y FAC 1 14 14 14

#### SOIL

Sampling Point:

Profile Desc	ription: (Describe f	to the dep	oth needed to docum			or confirm	n the absen	ce of indicators.)
Depth	Matrix Color (moist)	%	Color (moist)	Feature	S Turo1	Loc <sup>2</sup>	Texture	Pomorka
(inches)					Type		Sa	Remarks
0-6	10/R 2/2	100					34	
6-15	2.54 5/2	98	10412 4/6	2	C	M	Sa	- J.
							<u></u>	
			C			-		
								-
	oncentration, D=Depl					re Lining, F		annel, M=Matrix.
		able to all	LRRs, unless other		ed.)			ors for Problematic Hydric Soils <sup>3</sup> :
Histosol			👲 Sandy Redo					n Muck (A9) (LRR C)
Black Hi	bipedon (A2) stic (A3)		Stripped Ma Loamy Muck		1/E1)			n Muck (A10) (LRR B) luced Vertic (F18)
	n Sulfide (A4)		Loamy Gley	•				Parent Material (TF2)
	Layers (A5) (LRR C	;)	Depleted Ma		(12)			er (Explain in Remarks)
	ck (A9) (LRR D)	1	Redox Dark		(F6)			
Depleted	Below Dark Surface	e (A11)	Depleted Da	rk Surfac	e (F7)			
	irk Surface (A12)		Redox Depr	essions (	F8)			
	lucky Mineral (S1)		Vernal Pools	s (F9)				rs of hydrophytic vegetation and
	leyed Matrix (S4)	- 16					wetla	nd hydrology must be present.
Tuna	ayer (if present):							
								oil Present? Yes X No
Depth (inc Remarks:	:nes):						Hydric So	oil Present? Yes <u>No</u> No
HYDROLO	3Y							
	Irology Indicators:						Sec	condary Indicators (2 or more required)
	ators (any one indica	tor is suf	ficient)				000	
	The second s	ator is sur	Salt Crust (	(P11)				Water Marks (B1) (Riverine)
	Water (A1) ter Table (A2)		Biotic Crus				_	Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Saturatio			Aquatic Inv		s (B13)		_	Drainage Patterns (B10)
	arks (B1) (Nonriveri	ne)	Hydrogen S					Dry-Season Water Table (C2)
	t Deposits (B2) (Nor					l iving Roo	ots (C3)	Thin Muck Surface (C7)
	osits (B3) (Nonriver		Presence of		1000000	1999 - The Control of State of		Crayfish Burrows (C8)
	Soil Cracks (B6)		Recent Iror					Saturation Visible on Aerial Imagery (C9)
	on Visible on Aerial Ir	nagery (B						Shallow Aquitard (D3)
	ained Leaves (B9)				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			FAC-Neutral Test (D5)
Field Observ				-				
Surface Wate	er Present? Ye	es	No K Depth (inc	hes):				
Water Table			No K Depth (inc					./
Saturation Pr			No X Depth (inc				and Hydrol	ogy Present? Yes No X
(includes cap	illary fringe)					1.		
Describe Red	corded Data (stream	gauge, m	onitoring well, aerial p	hotos, pr	evious in	spections),	if available:	
						-		
Remarks:								

W-13

# WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: Coll: ns Ville	_ City/County: Solano county Sampling Date: 6/6/24
Applicant/Owner: Ls Part	State: CA Sampling Point: SP-1
Investigator(s): Norm Book Wicture your on We	Section, Township, Range: SOO T3N RIE
Landform (hillslope terrace etc.): +Des We.	Local relief (concave, convex, none): Concave Slope (%):
Subregion (LRR): LAC	38.079872 Long: -121.840326 Datum: NAO83
Soil Map Unit Name: Tamba Mury clay	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of	f year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significant	ntly disturbed? Are "Normal Circumstances" present? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology naturally p	problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showin	ing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland?	Yes X No
Remarks:			

1	Absolute	Dominant	Indicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Use scientific names.) <b>∛</b> <sup>≠</sup> <b>&gt;</b> Ø <sup>*</sup> 1	% Cover	Species?		Number of Dominant Species That Are OBL, FACW, or FAC	(A)
2				Total Number of Dominant	
3				Species Across All Strata:	(B)
4				Percent of Dominant Species	
Sapling/Shrub Stratum	0			That Are OBL, FACW, or FAC	(A/B)
1				Prevalence Index worksheet	:
2				Total % Cover of:	Multiply by:
3				OBL species	x 1 =
4				FACW species	x 2 =
5				FAC species	x 3 =
/ Total Cover	P			FACU species	x 4 =
Herb Stratum r S				UPL species	x 5 =
1. Salipinin pacifica	_75	<u> </u>	ObL	Column Totals:	(A) (B)
2. Polypyon mon sp-linnsis		N	FACW		
3				Prevalence Index = B/	A =
4				Hydrophytic Vegetation Inc	
5				L Dominance Test is >50%	b
6				Prevalence Index is ≤3.0	1
7				Morphological Adaptatio	ns <sup>1</sup> (Provide supporting
8.				data in Remarks or o	
Total Cover	: 71	_		Problematic Hydrophytic	Vegetation' (Explain)
Woody Vine Stratum	Ø			<sup>1</sup> Indicators of hydric soil and	wetland hydrology must
1			-	be present.	wedana nyarology maor
2	0				
% Bare Ground in Herb Stratum 25       % Cover	r of Biotic C	1.	ฮ	Hydrophytic Vegetation Present? Yes	No
Remarks:	100000000000000000000000000000000000000				
Remarks.					

w	-	13	1
	-	_	-

SOIL		Sampling Point: <u>SP-1</u>
Profile Description: (Describe to the de	pth needed to document the indicator or o	confirm the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %		
0-3.5 2.54 4/1 45	104R 4/4 5 C	n sich
5-6 54 411 45	7.5 YIZ 3/3 5 6 M	N/PL SICL
54 3/1 45		NPL SICL
6-10 2.54 4/1 90	7.5 YR 3/4 10 C N	NPL SICL
10-16 GI241 N25/095	7.54R 3/3 5 C	M Sich
<sup>1</sup> Type: C=Concentration, D=Depletion, RI Hydric Soil Indicators: (Applicable to a Histosol (A1) Histic Epipedon (A2)		ining, RC=Root Channel, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B)
Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D)	Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6)	Reduced Vertic (F18)     Red Parent Material (TF2)     Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	<ul> <li>Depleted Dark Surface (F7)</li> <li>Redox Depressions (F8)</li> <li>Vernal Pools (F9)</li> </ul>	<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present.
Restrictive Layer (if present):		
Туре:		Hydric Soil Present? Yes X No
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		
IYDROLOGY		Cooperation Indicators (2 or more required)
Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is su	ifficient)	Water Marks (B1) (Riverine)

Primary Indicators (any one in	ndicator is sufficien	t)	Water Marks (B1) (Riverine)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonri</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3) (Nonri</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aeri</li> <li>Water-Stained Leaves (B</li> </ul>	(Nonriverine) riverine) rial Imagery (B7)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Li</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Plowe</li> <li>Other (Explain in Remarks)</li> </ul>	4) Crayfish Burrows (C8)
Field Observations: Surface Water Present? Water Table Present?	Yes No	<ul> <li>✓ Depth (inches):</li> <li>✓ Depth (inches):</li> </ul>	
Saturation Present? (includes capillary fringe) Describe Recorded Data (stre	Yes X No _	Depth (inches): <u>10</u> <sup>17</sup>	Wetland Hydrology Present? Yes No spections), if available:
Remarks:			

WETLAND DETER	RMINATION DATA FORM – Arid West Region
	City/County: <u>SOICHO COUNTY</u> Sampling Date: <u>6/6/24</u> State: <u>CA</u> Sampling Point: <u>SP-2</u>
	State: Sampling Point: State: Sampling Point: State: Sampling Point:
Landform (hillslope, terrace, etc.): Toes lope	Local relief (concave, convex, none): <u><u>fint</u> Slope (%): <u>D</u></u>
	Lat: 38.079826 Long: -121.840203 Datum: NAD83
	/Diablo-Anar class 2-9% Slopes NWI classification: R45 BA
	s time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologys	V
Are Vegetation, Soil, or Hydrology n	
	showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes N         Hydric Soil Present?       Yes N         Wetland Hydrology Present?       Yes N	within a wetland?
Remarks: Putentilly manmable bern separating	

(0,22)	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Use scientific names.) ↓0 <sup>1</sup> × 20 <sup>1</sup> 1	% Cover	Species?	Status	Number of Dominant Species (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4 IOX IS Total Cove	r: 0			Percent of Dominant Species That Are OBL, FACW, or FAC:(O^/(A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3.				OBL species x 1 =
4				FACW species x 2 =
5.				FAC species x 3 =
5 Total Cove	0			FACU species x 4 =
Herb Stratum 5'x 5'		. ,		UPL species x 5 =
1. Festuca perennis	60	<u> </u>	FPC	Column Totals: (A) (B)
2. Bromes madritensis	45	<u> </u>	UPL	
3. Polypohan monsperiansis	30	Ý.	FACW	Prevalence Index = B/A =
4. Fruttunia saling	2	N	focw	Hydrophytic Vegetation Indicators:
5. Saticornia pacifica	3	N	OBL	✓ Dominance Test is >50%
6				Prevalence Index is ≤3.0 <sup>1</sup>
7				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum LO <sup>1</sup> X 15 <sup>1</sup> Total Cove	r: 140	-		
1.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present.
Total Cove	er: 0			Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cove	er of Biotic C	Crust C	>	Present? Yes No
Remarks:				

OIL		Sampling Point: <u>SP-2</u>
Profile Description: (Describe to the dep		confirm the absence of indicators.)
Depth <u>Matrix</u> (inches) Color (moist) %	Color (moist) % Type <sup>1</sup>	oc <sup>2</sup> Texture Remarks
1-16 2.54 5/4 100		SICL
Type: C=Concentration, D=Depletion, RM lydric Soil Indicators: (Applicable to all		ining, RC=Root Channel, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
		1 cm Muck (A9) (LRR C)
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	2 cm Muck (A10) (LRR C)
_ 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 Mucky Mineral (S1)	Vernal Pools (F9)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)		wetland hydrology must be present.
Restrictive Layer (if present):		
Type: none to 20"		
	-	Hydric Soil Present? Yes No X
Depth (inches):	the formula present in top	
Depth (inches): emarks: Several SMG11 angular roa constructed burn	the forgeneral present in top	Hydric Soil Present? Yes No X
Depth (inches): emarks: Several SMall angular roa construct a burn DROLOGY Vetland Hydrology Indicators:		6" of Soil. May be of fill angu
Depth (inches): emarks: Geveral SMall angular roa construct a burn DROLOGY etland Hydrology Indicators:		6" of soil. May be old fill arong
Depth (inches): emarks: Several SMG11 angular roa constructed burn DROLOGY Vetland Hydrology Indicators:		6" of Soil. May be of fill anong Secondary Indicators (2 or more required)
Depth (inches): emarks: Several SMall angular roa construct a burn DROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is sufficient	cient)	6" of Soil. May be add fill anong <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine)
Depth (inches): demarks: Several SMall angular rod (onstruct a) burn (DROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is suffic _ Surface Water (A1)	cient) Salt Crust (B11)	6" of Soil. May be add fill ang <u>Secondary Indicators (2 or more required)</u> <u>Water Marks (B1) (Riverine)</u> <u>Sediment Deposits (B2) (Riverine)</u>
Depth (inches): demarks: Several SMall angular roa (onstruct a) burn (DROLOGY /etland Hydrology Indicators: rimary Indicators (any one indicator is suffic _ Surface Water (A1) _ High Water Table (A2)	cient) Salt Crust (B11) Biotic Crust (B12)	6" of Soil. May be add fill ang <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inches): demarks: Several SMall angular roa construct a burn /DROLOGY /etland Hydrology Indicators: rimary Indicators (any one indicator is suffic _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3)	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	6" of Soil. May be add fill ang <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (inches): demarks: Several SMall angular rod Construct a barnel (DROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is suffic Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi	<u>Secondary Indicators (2 or more required)</u> <u>Water Marks (B1) (Riverine)</u> <u>Sediment Deposits (B2) (Riverine)</u> <u>Drift Deposits (B3) (Riverine)</u> <u>Drainage Patterns (B10)</u> <u>Dry-Season Water Table (C2)</u> ng Roots (C3) <u>Thin Muck Surface (C7)</u>
Depth (inches): demarks: Several SMall aggilt rod Construct a gamma <b>DROLOGY</b> <b>Vetland Hydrology Indicators:</b> rimary Indicators (any one indicator is sufficed Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4)	6" of Soil. May be add fill ang         Secondary Indicators (2 or more required)
Depth (inches): demarks: Several SMall agglar roo Construct a grant <b>/DROLOGY</b> <b>/etland Hydrology Indicators:</b> rimary Indicators (any one indicator is suffic 	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed	6" of Soil. May be add fill ang         Secondary Indicators (2 or more required)
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Depth (inches): Remarks: Several SMall agglar roa Construct a born /DROLOGY /etland Hydrology Indicators: rimary Indicators (any one indicator is suffly _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) (Nonriverine) _ Sediment Deposits (B2) (Nonriverine) _ Drift Deposits (B3) (Nonriverine) _ Surface Soil Cracks (B6) _ Inundation Visible on Aerial Imagery (B7 _ Water-Stained Leaves (B9) eld Observations:	cient)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed  ) Other (Explain in Remarks)	61 of Soil. May be add fill ange         Secondary Indicators (2 or more required)
Depth (inches):	cient)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed  ) Other (Explain in Remarks)  lo Depth (inches):	61 of Soil. May be add fill ange         Secondary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Drift Deposits (B3) (Riverine)         Crayfish Burrows (B10)         Crayfish Burrows (C8)         Soils (C6)         Shallow Aquitard (D3)
Depth (inches):         emarks:         Several SMall agglar road         Sourcal SMall agglar road         Construct a barn         /DROLOGY         /etland Hydrology Indicators:         rimary Indicators (any one indicator is suffix)         _ Surface Water (A1)         _ High Water Table (A2)         _ Saturation (A3)         _ Water Marks (B1) (Nonriverine)         _ Drift Deposits (B3) (Nonriverine)         _ Surface Soil Cracks (B6)         _ Inundation Visible on Aerial Imagery (B7         _ Water-Stained Leaves (B9)         eld Observations:         urface Water Present?       Yes Nater Table Present?         Yes Naturation Present?       Yes Naturation Present?	cient)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed  ) Other (Explain in Remarks)	6" of Soil. May be addition         Secondary Indicators (2 or more required)
Depth (inches):	cient)	61 of Soil. May be additioning         Secondary Indicators (2 or more required)         Water Marks (B1) (Riverine)         Sediment Deposits (B2) (Riverine)         Drift Deposits (B3) (Riverine)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         ng Roots (C3)       Thin Muck Surface (C7)         Crayfish Burrows (C8)         Soils (C6)       Saturation Visible on Aerial Imagery (C9)         Shallow Aquitard (D3)         FAC-Neutral Test (D5)         Wetland Hydrology Present? Yes No
Depth (inches):	cient)	6" of Soil. May be addition         Secondary Indicators (2 or more required)

.

W-13

## WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site:COllimsville	City/County:	Soleno	Sampling Date:	6-7-24
Applicant/Owner: US Pour			Sampling Point:	SP-3
Investigator(s): Victoria intermentation, Moran B	Section, Townsh	nip, Range: SØØ	T3N RIE	
Landform (hillslope, terrace, etc.): TOeslope	Local relief (con	cave, convex, none): <u>C(</u>	onvex slo	
Subregion (LRR): La	t: 38.080785	5 Long:121.0	540447 Date	Im: NAO83
Soil Map Unit Name: Diablo-Ayar clays 2-9;	1. SIOPUS /TUM	by muly city NWI a	lassification: <u>R4S</u>	BA
Are climatic / hydrologic conditions on the site typical for this time	of year? Yes X	No (If no, expla	in in Remarks.)	
Are Vegetation, Soil, or Hydrology signific	cantly disturbed?	Are "Normal Circumstan	nces" present? Yes	K No
Are Vegetation, Soil, or Hydrology natura	Ily problematic?	(If needed, explain any	answers in Remarks.)	

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes_X_ No	_
Remarks:					

			Number of Dominant Spec That Are OBL, FACW, or F Total Number of Dominant		(A)				
				AU	(A)				
			Total Number of Dominant						
				1					
			Species Across All Strata:		(B)				
			Percent of Dominant Spec	es					
er:			That Are OBL, FACW, or F	AC: 10	<u>O</u> (A/B)				
			Prevalence Index worksh	leet:					
			Total % Cover of:	Multiply	by:				
			OBL species	x 1 =					
			FACW species	x 2 =					
r a									
98	<u>y</u>	FAC							
	N	FAC		_ (**					
B	N	OBL	Prevalence Index =	B/A =					
	N	FACW	Hydrophytic Vegetation	Indicators:					
			X Dominance Test is >	50%	<				
			Prevalence Index is a	3.0 <sup>1</sup>					
					supporting				
			data in Remarks of	or on a separate	sheet)				
			Problematic Hydroph	vtic Vegetation	(Explain)				
r: 119									
			<sup>1</sup> Indicators of hydric soil a	nd wetland hyd	rology must				
				and wettand nye	nology much				
er:									
er of Biotic C	rust	ý	Present? Yes	<u></u> Νο_					
	er: 119	er:	$ \frac{98}{10} \times \frac{7}{6} \times \frac$	arr       Image: I	Prevalence Index worksheet:         Total % Cover of:       Multiply         OBL species       x 1 =				
<b>Profile Desc</b>	ription: (Describe t	o the dep	th needed to	o docum	ent the	indicator	or confirm	n the absend	ce of indicators.)
--	--	------------------------------------	--	--	---	--	-------------------	--------------	--
Depth	* Matrix				Feature		. ,	_	
(inches)	Color (moist)	%	Color (m	oist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	61-12 N Z.5/	0100						SICL	
12-14.5	54 4/2	95	IOYR	4/4	5	6	M	Sill	
14.5-22	2.57 4/1	63			35	a	M	C	
			IOYR	5/6	2	6	M		
	ncentration, D=Deple ndicators: (Applica						re Lining, F		annel, M=Matrix. ors for Problematic Hydric Soils <sup>3</sup> :
		Die to all				ea.)			
Histosol (	pedon (A2)		San	dy Redo					n Muck (A9) (LRR C) n Muck (A10) (LRR B)
Black His				•	(SO) (y Minera	L/E1)			uced Vertic (F18)
	Sulfide (A4)				ed Matrix				Parent Material (TF2)
	Layers (A5) (LRR C)	)			trix (F3)				er (Explain in Remarks)
	k (A9) (LRR D)				Surface	(F6)		_	
	Below Dark Surface	(A11)	Dep	leted Da	rk Surfac	æ (F7)			
	k Surface (A12)		Red	ox Depre	essions (	F8)			
	icky Mineral (S1)		Verr	nal Pools	s (F9)				rs of hydrophytic vegetation and
Sandy Glo	eyed Matrix (S4)							wetla	nd hydrology must be present.
								-	
Restrictive La	ayer (if present): 11								1
Restrictive La	ne to 29								×
Type: Depth (inch	ne to 29		_					Hydric So	oil Present? Yes X No
Restrictive La Type: <u>00</u> Depth (inch Remarks:	re to 29"								V
Restrictive La Type: <u>^0</u> Depth (inch Remarks: (DROLOG /etland Hydr	ne to 29 nes): Y ology Indicators:	or is suffi	cient)						condary Indicators (2 or more required)
Restrictive La Type:0 Depth (inch Remarks: //DROLOG /etland Hydr rimary Indica	NY ology Indicators: tors (any one indicat	or is suffic		It Crust (	B11)				condary Indicators (2 or more required) Water Marks (B1) (Riverine)
Restrictive La Type:0 Depth (inch Remarks: //DROLOG /etland Hydr rimary Indicat Surface W	Y loogy Indicators: tors (any one indicat fater (A1)	or is suffic	X Sal	It Crust (					condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Restrictive La Type:O Depth (inch Remarks: //DROLOG /etland Hydr rimary Indical Surface W High Wate	Y ology Indicators: tors (any one indicat /ater (A1) or Table (A2)	or is suffic	<u> </u>	tic Crust	(B12)	s (B13)			condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Restrictive La Type:O Depth (inch Remarks: //DROLOG //etland Hydr rimary Indicat Surface W High Wate Saturation	APP 10 29 These in the second		_X Sal Bio Aqu	tic Crust uatic Inve	(B12) ertebrate				condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Restrictive La Type:O Depth (inch Remarks: //DROLOG //etland Hydr rimary Indicat Surface W High Wate Saturation Water Mar	AY ology Indicators: tors (any one indicat fater (A1) r Table (A2) (A3) ks (B1) (Nonrivering	e)	X Sal Bio Aqu Hyo	tic Crust uatic Inve drogen S	(B12) ertebrate Sulfide Od	dor (C1)		<u>Sec</u>	2000 2000 2000 2000 2000 2000 2000 200
Restrictive La Type:O Depth (inch Remarks: //DROLOG /etland Hydr rimary Indicat Surface W High Wate Saturation Water Mar Sediment I	e to 29 isy ology Indicators: tors (any one indicat fater (A1) or Table (A2) (A3) ks (B1) (Nonriverind Deposits (B2) (Nonriverind)	e) iverine)	<u>X</u> Sal Bio Aqu Hyo Oxi	tic Crust uatic Inve drogen S idized RI	t (B12) ertebrate Sulfide Od hizosphe	dor (C1) res along	Living Roo	<u>Sec</u>	condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Abstrictive La Type:0 Depth (inch temarks: //DROLOG /etland Hydr rimary Indical Surface W High Wate Saturation Water Mar Sediment I Drift Depos	Y ology Indicators: tors (any one indicat fater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonrivering sits (B3) (Nonrivering)	e) iverine)	<u>X</u> Sal Bio Aqu Hyo Oxi Pre	tic Crust uatic Inve drogen S idized RI esence o	t (B12) ertebrate Sulfide Od hizosphe f Reduce	dor (C1) res along ed Iron (C4	4)	Sec 	Condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8)
Restrictive La Type:O Depth (inch Remarks: //DROLOG //etland Hydr rimary Indicat Surface W High Wate Saturation Saturation Water Mar Sediment I Drift Depose Surface So	Y ology Indicators: tors (any one indicat ater (A1) or Table (A2) (A3) ks (B1) (Nonriverin Deposits (B2) (Nonriverin Sits (B3) (Nonriverin Dil Cracks (B6)	e) iverine) ne)	X Sal Bio Aqu Hyo Oxi Pre Rec	tic Crust uatic Inve drogen S idized RI sence o cent Iron	t (B12) ertebrate Sulfide Od hizosphe f Reduce Reducti	dor (C1) res along d Iron (C on in Plov		Sec 	Condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9
Apple:	A Production of the second state of the second	e) iverine) ne)	X Sal Bio Aqu Hyo Oxi Pre Rec	tic Crust uatic Inve drogen S idized RI sence o cent Iron	t (B12) ertebrate Sulfide Od hizosphe f Reduce	dor (C1) res along d Iron (C on in Plov	4)		Condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
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Restrictive La Type:0 Depth (inch Remarks: //DROLOG /etland Hydr rimary Indicat Surface W High Wate Saturation Water Mar Saturation Water Mar Sediment I Surface So Nater Mar Sediment I Surface So Nater Mar Surface So Nater So Nater So Nater So Nater So  Surface Water Vater Vater Table Pre- aturation Press Includes capilla Socribe Record	A Pro 29 A Pro 29 A Pro 29 A Provide a Provided A Pr	e) iverine) agery (B7 	X       Sal          Bio          Aqu          Oxi          Oxi          Pre          Red         )          lo       X         lo       X         lo       X         hitoring well,	tic Crust uatic Inve drogen S idized Rl esence of cent Iron her (Expl epth (incl epth (incl epth (incl aerial pl	: (B12) ertebrate Sulfide Ou hizosphe f Reduce Reducti ain in Re hes): hes): hotos, pr	dor (C1) res along ed Iron (Co on in Plov marks) evious ins	4) wed Soils (		condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)

	14-14
	DATA FORM – Arid West Region
Project/Site: Collinsoile City/	County: <u>Solund</u> County Sampling Date: <u>6/7/24</u> State: <u>CA</u> Sampling Point: <u>SP-1</u>
Applicant/Owner: LS POWER	State: CA Sampling Point: SP-1
Investigator(s): Kuren Bach, Victoria yefremonitary Sec	tion, Township, Range: SØØ R3NTIE
	al relief (concave, convex, none): <u>Concave</u> Slope (%): <u>O</u>
Subregion (LRR): Lat: Lat:	079793 Long: -121.839967 Datum: NAD83
Soil Map Unit Name: Tamba muly clay	NWI classification: R4SBA
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes <u>X</u> No	within a Wetland? Yes <u>No</u>
Wetland Hydrology Present? Yes <u>X</u> No	
Remarks:	

### VEGETATION

Tree Stratum (Use scientific names.) (= 30	Absolute % Cover	Dominant Species?		Dominance Test worksheet: Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant Species Across All Strata: (B)
4 Total Cover Total Cover	0			Percent of Dominant Species That Are OBL, FACW, or FAC:(00(A/B)
1		5e		Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5	1000			FAC species x 3 =
	0			FACU species x 4 =
Herb Stratum r=5 Total Cover			-61	UPL species x 5 =
1. Salicornia Pacifice	15	N	OBL	Column Totals: (A) (B)
2. Polypoyon monspelensis	2	N	FACU	
3. Cotula coronopololia	5	N	OBL	Prevalence Index = B/A =
	. 1	N	FACU	Hydrophytic Vegetation Indicators:
5. Spergularik marina	90	Y	OBL	∠ Dominance Test is >50%
0		1		Prevalence Index is ≤3.0 <sup>1</sup>
				Morphological Adaptations <sup>1</sup> (Provide supporting
				data in Remarks or on a separate sheet)
3Total Cover:	113			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Voody Vine Stratum				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
l				be present.
2				Hydrophytic
Total Cover: 6 Bare Ground in Herb Stratum % Cover	of Biotic Ci		Ô	Vegetation Present? Yes <u>No</u> No
Remarks:				
Cerriains.				

Depth	Matrix	to the de			Feature	S			
(inches)	Color (moist)	%	Color (r	1	%	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-7,5	5/ 9/1	93	7.5 4	R 4/6	_7	L	M/RC	Sich_	
7.5-11	2.54 3/1	98	57/2	3/4	2	L	MIZL	3:66	
11-18	10YR 2/1	83	2.54	4/2	15	D	M		
			LOYR		2	6	M		
Hydric Soil Histoso Histic E Black H Hydrog Stratifie 1 cm M Deplete Thick E Sandy Sandy	Concentration, D=De I Indicators: (Applie of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) (LRR Muck (A9) (LRR D) ed Below Dark Surfa Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) e Layer (if present):	C) Ce (A11)	I LRRs, uni Sa La La La Da Ra Da		wise not ox (S5) trix (S6) ky Minera ed Matrix atrix (F3) Surface ark Surfa ressions	ted.) al (F1) x (F2) (F6) ce (F7)	e Lining, RC	1 cm Mud 2 cm Mud Reduced Red Pare Other (E) <sup>3</sup> Indicators of	, M=Matrix. r Problematic Hydric Soils <sup>3</sup> : ck (A9) (LRR C) ck (A10) (LRR B) Vertic (F18) ent Material (TF2) cplain in Remarks) hydrophytic vegetation and ydrology must be present.

## HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Primary Indicators (any one indic	ator is sufficient)	Water Marks (B1) (Riverine)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriver</li> <li>Sediment Deposits (B2) (No</li> <li>Drift Deposits (B3) (Nonriver</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial I</li> <li>Water-Stained Leaves (B9)</li> </ul>	inne       X       Oxidized Rhizospheres along L         Presence of Reduced Iron (C4)       Recent Iron Reduction in Plower	<ul> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>thin Muck Surface (C7)</li> <li>Crayfish Burrows (C8)</li> </ul>
Field Observations:		
Surface Water Present? Y	es No Depth (inches):	_
Water Table Present? Y	es No X Depth (inches):	
Saturation Present? Y (includes capillary fringe)	es No X_ Depth (inches):	_ Wetland Hydrology Present? Yes X No
Describe Recorded Data (stream	gauge, monitoring well, aerial photos, previous insp	pections), if available:
Remarks:		)

WETLAND DETERMINATION DATA FORM – Arid West Region	W-15
Project/Site:       Colling NULL       City/County:       Solond County       Sampling         Applicant/Owner:       LS Pound       State:       CIA       Sampling	Point: SP-1
Investigator(s): Kuren Bach, Victoric Yelmmerleoursection, Township, Range: SOO T3N RIG	
Landform (hillslope, terrace, etc.): <u>toestope</u> Submain (1990 Convex) Local relief (concave, convex, none): <u>Convex</u>	
Subregion (LRR):         LRLC         Lat:         38.079719         Long:         -121.839053           Soil Map Unit Name:         Tamba muchy clay         NWI classification:	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)	V
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present?	Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Rem	arks.)

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland?	Yes_X_ No
Remarks:			

#### VEGETATION

Absolute	Dominant			
% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC	(A)
			Total Number of Dominant Species Across All Strata:	<u> </u>
er: Ø			Percent of Dominant Species That Are OBL, FACW, or FAC	(A/B)
-				
				Contraction of the second s
er: Ø			FACU species	x 4 =
0	A.I.		UPL species	x 5 =
	10		Column Totals:	(A) (B)
8	1			
1	N	OBL		
5	Y	UPL		
4	Y	FACW	X Dominance Test is >50	%
			Prevalence Index is ≤3.	0 <sup>1</sup>
			Morphological Adaptatio	ons <sup>1</sup> (Provide supporting
er: 20	-			
				d wetland hydrology must
,			be present.	
er:	-	.(	Hydrophytic Vegetation	X No
er of Biotic C	Crust	$\varphi_{-}$	Present? Yes	<u>No</u>
		1		
	er: 20 er: 20	$er:  \frac{1}{20}$	er: $\frac{1}{2}$ $\frac{N}{2}$ $\frac{08L}{08L}$ $= \frac{1}{3}$ $\frac{N}{08L}$ $\frac{08L}{08L}$ $= \frac{1}{3}$ $\frac{N}{08L}$ $\frac{08L}{08L}$ $= \frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{$	Image: Second Stress       Image: Second Stress         Image: Secon

Depth	ription: (Describe	to the dep	th needed to				or confirm	n the absence	of indicators.)
(inches)	Matrix Color (moist)	%	Color (m		Features %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-8	2.57 3/1	99	10712	3/6	1	6	Μ	Sill	
8-16	2.51 4/1	98	2.57	4/4	2	<u>с</u>	<u></u>	SIL	Relox disknet
	oncentration, D=Depl ndicators: (Applica						e Lining, F	Indicators	nel, M=Matrix. 6 for Problematic Hydric Soils <sup>3</sup> :
Black His Hydroge Stratified 1 cm Mu Depleted	pipedon (A2)		Strip Loa Loa Dep Red Dep	dy Redox oped Mati my Mucky my Gleye leted Mati ox Dark s leted Dar	rix (S6) y Mineral d Matrix trix (F3) Surface (I k Surface	(F2) F6) e (F7)		2 cm I Reduc Red P	Muck (A9) (LRR C) Muck (A10) (LRR B) ced Vertic (F18) Parent Material (TF2) (Explain in Remarks)
_ Sandy M	ucky Mineral (S1) leyed Matrix (S4)			ox Depre nal Pools		.0)			of hydrophytic vegetation and I hydrology must be present.
Type: Depth (inc Remarks:	hes):							Hydric Soil	Present? Yes No
DROLO	GY								
Primary Indica 	rology Indicators: ators (any one indica Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir : Deposits (B2) (Non	ne) riverine)	, → Sal Bio Aqu Hyo Oxi Pre	sence of	(B12) Intebrates ulfide Odd izosphere Reduced Reductio	or (C1) es along I Iron (C4 n in Plow	Living Roo ) ed Soils (0	v s c c ts (C3) T C C6) s	ndary Indicators (2 or more required) Vater Marks (B1) ( <b>Riverine</b> ) Rediment Deposits (B2) ( <b>Riverine</b> ) Orift Deposits (B3) ( <b>Riverine</b> ) Orainage Patterns (B10) Ory-Season Water Table (C2) Chin Muck Surface (C7) Crayfish Burrows (C8) Raturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Saturation Water Ma Sediment Drift Depo Surface S Inundatio	osits (B3) ( <b>Nonriveri</b> Soil Cracks (B6) n Visible on Aerial Im ained Leaves (B9)	agery (B7		er (Expla	in in Ren	narks)			AC-Neutral Test (D5)
Saturation Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta eld Observiourface Water Vater Table F aturation Pre-	Soil Cracks (B6) n Visible on Aerial Im ained Leaves (B9) ations: r Present? Ye esent? Ye	s N s N s N	) Oth	pth (inch pth (inch pth (inch	es): es): es):		_ Wetla	F	>/

Project/Site: CONMUNICE		City/County	Soler	D county San		17/24
Applicant/Owner: LS PDW-				State: San		
nvestigator(s): Kara Buch, Victoria Yelranny	iour	Section, To	wnship, Ra	Inde: SOD T3.N	RIE	-
andform (hillslope, terrace, etc.): + ocologe		Local relie	f (concave.	convex none) fict	Sione	(%): 0
Subregion (LRR): LFRC	Lat: 3	8.0797	140	Long: -121.83912	2 Datum	1405
Soil Map Unit Name: Tamba muchy clay				NWI classification		
re climatic / hydrologic conditions on the site typical for th	is time of ve	ar? Yes	X No			1
re Vegetation, Soil, or Hydrology				"Normal Circumstances" prese		No
re Vegetation, Soil, or Hydrology				eeded, explain any answers in		_ 110
UMMARY OF FINDINGS – Attach site map	snowing	samplin	g point i	ocations, transects, in	portant feat	tures, etc
Hydrophytic Vegetation Present? Yes N	10 X	le th	e Sampled	Area		
Hydric Soil Present? Yes X	lo			nd? Yes	NoX	
Vetland Hydrology Present? Yes N	10_X_		in a ricia			
Remarks: Slightly hight crevetion grassy area	bet wee	n WH	4 and 1	2-15		
Silvering inder encounter i Dursid men	ord wee	- 1 0- 1	1			
GETATION						
	Abachuta	Deminant	Indiantas	Deminante Testuratele	-4-	
ree Stratum (Use scientific names.) (=30		Dominant Species?		Dominance Test workshe Number of Dominant Speci		
				That Are OBL, FACW, or F	AC: )	(A)
				Total Number of Dominant		
				Species Across All Strata:	3	(B)
				Percent of Dominant Speci		
pling/Shrub Stratum C=15 <sup>L</sup> Total Cover	n Ø			That Are OBL, FACW, or F		1. (A/
	•			Prevalence Index worksh	oot.	
				Total % Cover of:		hv
				OBL species		
				FACW species		
	1			FAC species		
Total Cover	Ø	_		FACU species		
rb Stratum (~>>	/		~~~		x 5 =	
Futura Perennis	30		FAC	Column Totals:		
Bromw Madrikovis	45	1	UPL			
Brons hadeauos	60	_ <u>/</u>	FACU	Prevalence Index =	the state of the s	
Frunklic Soling	1	N	OBL	Hydrophytic Vegetation		
Salkania pulitica		~~	FACW	Dominance Test is >5		
The axinits		N	FACU	Prevalence Index is ≤		
				Morphological Adapta data in Remarks o		
				Problematic Hydrophy		
dy Vine Stratum C=15 <sup>1</sup> Total Cover:					nic vegetation	(Lypiain)
				<sup>1</sup> Indicators of hydric soil a	nd wotland hyd	
				be present.	iu welianu nyu	rology mus
				· ·		
	EK.			Hydrophytic	1	1
Total Cover:	_Ø_	-		Vegetation		Y
Total Cover:	of Biotic Cr	ust_Ø		Vegetation Present? Yes_	No	X

		o the dep	oth needed to docum			or confirm	n the absence of	of indicators.)
Depth inches)	Matrix Color (moist)	%	Color (moist)	Feature: %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-9.5	2.57 3/1	99	7.5YR 3/4	_1	C	Μ	SIC	
5-16	2.54 4/1	70	7.5 Y R 2/4	S	6	<u>M</u>	SiC	
	ncentration, D=Depl		Reduced Matrix.			ore Lining,	RC=Root Chan Indicators	nel, M=Matrix. s for Problematic Hydric Soils <sup>3</sup> :
Stratified 1 cm Mu Depleted Thick Da Sandy M Sandy G	n Sulfide (A4) I Layers (A5) (LRR C ck (A9) (LRR D) I Below Dark Surface rk Surface (A12) Iucky Mineral (S1) Ieyed Matrix (S4)		Loamy Muc Loamy Gley Depleted M Redox Darl Depleted D Redox Dep Vernal Poo	ved Matri atrix (F3) Surface ark Surfa ressions	(F2) (F6) ce (F7)		Red F Other <sup>3</sup> Indicators	ced Vertic (F18) Parent Material (TF2) (Explain in Remarks) s of hydrophytic vegetation and d hydrology must be present.
	ayer (if present):							
Depth (inc	ches):						Hydric So	il Present? Yes No
Depth (inc emarks: /DROLO	Shes):						Hydric So	il Present? Yes <u>No</u> No
Depth (inc emarks:	GY GY drology Indicators: ators (any one indic Water (A1) ter Table (A2)	ine) nriverine rine)	<ul> <li>Salt Crus</li> <li>Biotic Cru</li> <li>Aquatic In</li> <li>Hydroger</li> <li>Oxidized</li> <li>Presence</li> <li>Recent In</li> </ul>	ust (B12) nvertebra n Sulfide Rhizosp e of Redu	Odor (C1 heres alo iced Iron ction in P	) ng Living I (C4) 'lowed Soi	Sec 	il Present? Yes No ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)

## w-16

### WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: SNIH	City/County:		Sampling Date:	
Applicant/Owner: LS Pord		State:	Sampling Point:	Sp-1
Investigator(s): harrow victorio	Section, Township, Ra	ange: 523 T3	NRIE	
Landform (hillslope, terrace, etc.):	Local relief (concave,	convex, none):	ave Slope	(%): <u>0</u>
Subregion (LRR): LFRC	Lat: 38, 082693	Long: -121. 837	65 9 Datum:	NADOS
Soil Map Unit Name: Tamba muchy clay		NWI classif	ication: R45B	A
Are climatic / hydrologic conditions on the site typical for this tir	me of year? Yes No	(If no, explain in	Remarks.)	
Are Vegetation, Soil, or Hydrology sign	ificantly disturbed? Are	"Normal Circumstances"	present? Yes	_ No
Are Vegetation, Soil, or Hydrology natu	urally problematic? (If r	needed, explain any answ	vers in Remarks.)	
				1. S. S. S. S. S.

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No Yes No	Is the Sampled Area within a Wetland?	Yes No
Remarks:	1		

1

#### VEGETATION

11	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Use scientific names.) U= 15	% Cover	Species?	Status	Number of Dominant Species	
1				That Are OBL, FACW, or FAC	: <u> </u>
2				Total Number of Dominant	
3				Species Across All Strata:	<u> </u>
4.				D (D	
Sapling/Shrub Stratum	Ø	-		Percent of Dominant Species That Are OBL, FACW, or FAC	
1 ¥		-		Prevalence Index workshee	t:
2				Total % Cover of:	Multiply by:
3.				OBL species	x 1 =
				FACW species	
4				FAC species	
5 Total Cover	Ð	·		FACU species	
Herb Stratum P = 5		-		UPL species	
1. Polylogen monspelensis	5	N	FACW		
	20	V	OBL	Column Totals:	(A) (D)
		Y	FACW	Prevalence Index = B/	/A =
3. Junior banfonins			FAC	Hydrophytic Vegetation In	
4. Distichlis Spiceta	10	- <u>-</u> Y	110	XDominance Test is >50	
5					
6				Prevalence Index is ≤3.	
7				Morphological Adaptation	ons' (Provide supporting
8				Problematic Hydrophyti	
Total Cover Woody Vine Stratum	. 75	-			c vegetation (Explain)
				<sup>1</sup> Indicators of hydric soil and	d wetland hydrology must
1				be present.	,
2		_			
Total Cove % Bare Ground in Herb Stratum 7.7 % Cove	r: r of Biotic (		B	Hydrophytic Vegetation Present? Yes	V_ No
Remarks:					
Remarks.					

## W-16 (

OIL										Sam	pling Point: SP-1	
Profile Des	cription: (Des	cribe t	o the dep	th needed to	docum	ent the	indicator	or confir	m the absence	e of indicators.	.)	
Depth	Ma	atrix			Redox	Feature	s					
inches)	Color (mo		%	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>				_Loc <sup>2</sup>	Texture		Remarks	
0-7 2.54 5/1 99				7.SYR	7.5YR 3/4 1 ( M					redox	Concretion	
7-16	10Y/n	4/3	100						5:01			
	Concentration, D							e Lining,	RC=Root Char Indicator	nnel, M=Matrix. s for Problema	atic Hydric Soils <sup>3</sup> :	
Histoso					y Redox					Muck (A9) (LR		
-	pipedon (A2)					rix (S6)				Muck (A10) (LF		
Black H	listic (A3)			Loamy Mucky Mineral (F1)						Reduced Vertic (F18)		
	en Sulfide (A4)					ed Matrix				Parent Material		
	d Layers (A5) (		)	X Deple	ted Ma	trix (F3)			Other	(Explain in Re	marks)	
	uck (A9) (LRR					Surface						
	d Below Dark S		(A11)			rk Surfa						
	ark Surface (A					essions	(F8)		3	f hadron hadie	vegetation and	
-	Mucky Mineral (			Verna	al Pools	s (F9)				d hydrology mu	c vegetation and	
	Gleyed Matrix ( Layer (if prese								wetian	u nyurology mu		
	whe to											
	iches):								Hydric Soi	I Present?	res No	
emarks:												
DROLO								_			10	
	drology Indica										rs (2 or more required)	
imary Indi	cators (any one	e indica	tor is suff							Water Marks (B		
- 2010 100 100 100	Water (A1)			K Salt							sits (B2) (Riverine)	
_ High W	ater Table (A2)				ic Crust		a sure			Drift Deposits (I		
Saturati	on (A3)			Aqu	atic Inve	ertebrate	es (B13)			Drainage Patter	rns (B10)	

\_\_\_\_ Saturation (A3)

\_\_\_\_ Water Marks (B1) (Nonriverine) \_\_\_\_ Hydrogen Sulfide Odor (C1) \_\_\_ Dry-Season Water Table (C2) \_\_\_\_ Sediment Deposits (B2) (Nonriverine) \_\_\_\_ Oxidized Rhizospheres along Living Roots (C3) \_\_\_\_ Thin Muck Surface (C7) Presence of Reduced Iron (C4) \_\_\_ Crayfish Burrows (C8) \_\_\_\_ Drift Deposits (B3) (Nonriverine) \_\_\_\_ Recent Iron Reduction in Plowed Soils (C6) \_X Surface Soil Cracks (B6) \_\_\_\_ Saturation Visible on Aerial Imagery (C9) \_\_\_\_ Inundation Visible on Aerial Imagery (B7) \_\_\_ Other (Explain in Remarks) \_\_\_ Shallow Aquitard (D3) \_\_\_\_ FAC-Neutral Test (D5) Water-Stained Leaves (B9) Field Observations: Yes \_\_\_\_ No X\_ Depth (inches): Surface Water Present? Yes \_\_\_\_ No \_\_\_ Depth (inches): \_ Water Table Present? Yes \_\_\_\_\_ No \_\_\_\_ Depth (inches): \_ Wetland Hydrology Present? Yes X No Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

TW-16]
WETLAND DETERMINATION DATA FORM – Arid West Region
Project/Site:       CONSINUE       City/County:       Solution County       Sampling Date:       6/1/24         Applicant/Owner:       LS POWER       State:       CA       Sampling Point:       SP-2
Applicant/Owner: LS POULC State: CA Sampling Point: SP-2
Investigator(s): Kuren Bach Victoria Vetremokova Section, Township, Range: 523 T3V 121E
Landform (hillslope, terrace, etc.): <u>Footslope</u> Local relief (concave, convex, none): <u>Slope</u> Slope (%): <u>S</u>
Subregion (LRR): LPLC Lat: 38. 082666 Long: -121.837785 Datum: NAD83
Soil Map Unit Name: Diablo-Ayar clay 2-9% Stopes NWI classification: NIA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	Is the Sampled Area within a Wetland?	Yes	_ No X
Remarks:				

#### VEGETATION

	Absolute	Dominant		Dominance Test worksheet:	
<u>Tree Stratum</u> (Use scientific names.) $10^{1} \times 10^{1}$ 1	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
2				Total Number of Dominant	-
3.				Species Across All Strata:	(B)
4.				Demont of Dominant Species	
Sapling/Shrub Stratum 10×15 Total Cover	:_0_			Percent of Dominant Species That Are OBL, FACW, or FAC	: <u>100</u> (A/B)
1			_	Prevalence Index worksheet	:
2				Total % Cover of:	Multiply by:
3.				OBL species	x 1 =
4.				FACW species	x 2 =
4				FAC species	
5 Total Cover	0			FACU species	
Herb Stratum r=5			Carlos and	UPL species	
1. Franklinia Salina	15	-N	FACW	Column Totals:	
2. Junus barticus	-00			Prevalence Index = B/A	_
3. Distichio spiceta	80	1	FAC	Hydrophytic Vegetation Indi	
4. Bromos madritanis	5	N	Vic		
5				Dominance Test is >50%	
6				Prevalence Index is ≤3.0 <sup>1</sup>	
7				Morphological Adaptation data in Remarks or on	s' (Provide supporting
8				Problematic Hydrophytic	
Woody Vine Stratum 10×15 Total Cover:	125				
1				<sup>1</sup> Indicators of hydric soil and w	vetland hydrology must
2.			-	be present.	
Total Cover:	0			Hydrophytic	
$\sim$	1111111		<b>`</b>	Vegetation	No
% Bare Ground in Herb Stratum % Cover	of Biotic C	rust	<u></u>	Present? Yes	• NO
Remarks:					

rofile Description: (Describe to the dep	th needed to document the indicator or confir	m the absence of indicators.)
Depth <u>Matrix</u> (inches) Color (moist) %	Redox Features           Color (moist)         %         Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
0-3 107/2 2/1 100		10
		Salo
9.5-16 2.5 y 3/1 100		Sich
Hydric Soil Indicators: (Applicable to all Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	<ul> <li>Sandy Redox (S5)</li> <li>Stripped Matrix (S6)</li> <li>Loamy Mucky Mineral (F1)</li> <li>Loamy Gleyed Matrix (F2)</li> <li>Depleted Matrix (F3)</li> <li>Redox Dark Surface (F6)</li> <li>Depleted Dark Surface (F7)</li> <li>Redox Depressions (F8)</li> <li>Vernal Pools (F9)</li> </ul>	Indicators for Problematic Hydric Soils <sup>3</sup> : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) <sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)		wetland hydrology must be present.
Restrictive Layer (if present): Type: Depth (inches):		Hydric Soil Present? Yes No
- op (		

Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient	:)	Water Marks (B1) (Riverine)
Surface Water (A1)	Salt Crust (B11)	Sediment Deposits (B2) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Drift Deposits (B3) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drainage Patterns (B10)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Living Ro	ots (C3) Thin Muck Surface (C7)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Plowed Soils	(C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)		FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No _	Depth (inches):	
Water Table Present? Yes No	X_ Depth (inches):	
Saturation Present? Yes No (includes capillary fringe)	Vet	land Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previous inspections)	, if available:
Remarks:	/	

. 9

				and the State	TW-16
WETLAND DETE	RMINATIO	ON DATA	FORM -	Arid West Region	
Project/Site: CONINVILE Applicant/Owner: LS POWE		City/County:	Sului	no Sampling D	ate: 6/7/24
Applicant/Owner: LS POWE	*			State: CA Sampling P	oint: 50-3
nvestigator(s): Karen Buch, Vicioria yetren	nnuala	Section, Tov	vnship, Ran	CE: S23 T3N RIE	
andform (hillslope, terrace, etc.): toeslope					Slope (%): 5
Subregion (LRR): LRR C	Lat: 38	.0826	53	Long: -121.838206	Datum: NAD83
Soil Map Unit Name: Tamba muchy clay					
Are climatic / hydrologic conditions on the site typical for the					
Are Vegetation, Soil, or Hydrology				Normal Circumstances" present? Ye	es 💹 No
Are Vegetation, Soil, or Hydrology				eded, explain any answers in Remark	
SUMMARY OF FINDINGS – Attach site map			g point lo	ocations, transects, importa	int features, etc.
Hydrophytic Vegetation Present? Yes	No No No	Is the	e Sampled in a Wetlan	Area	
Remarks:					
/EGETATION					
Tree Stratum (Use scientific names.)		Dominant Species?		Dominance Test worksheet:	
1	70 COVEL	<u>opecies</u> :	Otatus	Number of Dominant Species That Are OBL, FACW, or FAC:	3 (A)
2					
3				Total Number of Dominant Species Across All Strata:	З (В)
4.					(2)
- 10 Total Cov	ver: D	-		Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B)
Sapling/Shrub Stratum					
1				Prevalence Index worksheet:	A Minh have
2				Total % Cover of:	Multiply by:
3				OBL species x 1 FACW species x 2	
4				FAC species x 2	
5 Total Cov	m m			FACU species X	
Herb Stratum		•		UPL species x	
1. Distichles spicopy	18	Y	FAC	Column Totals: (A)	
2. Frestuca Purannil	70	<u> </u>	FAC		
3. Bromus multitopsis	30	Y	uth	Prevalence Index = B/A =	
4. Poln Panon monsporting	.5	ÍV.	FACW	Hydrophytic Vegetation Indicat	tors:
5. Frankin Sulma	1	N	FACW	Dominance Test is >50%	
6				Prevalence Index is ≤3.0 <sup>1</sup>	
7				Morphological Adaptations <sup>1</sup>	(Provide supporting
8	_			data in Remarks or on a s	
Total Cov	ver: 191			Problematic Hydrophytic Ve	getation (Explain)
Woody Vine Stratum				1	
1				<sup>1</sup> Indicators of hydric soil and wet be present.	land hydrology must
2					
Total Cov	ver: 19-1	-		Hydrophytic Vegetation	
% Bare Ground in Herb Stratum % Con	ver of Biotic C	crust_6		Present? Yes <u>×</u>	No
Remarks:		- A & K_			

			o the de	pth needed				or confir	m the absence	of indicators.)
Depth inches)	Color (m	Matrix loist)	%	Color (n		K Feature	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
-6	2.54	3/1	97	7.5 4/2	3/4	3	C	M	Sill	
-15	101k	4/1	25	2.54	4/4		C	M	SaLO	
	2.54	3/1	67	IDYR	3/4	3	6	M	Sici	
	oncentration,							re Lining,	RC=Root Chanr	nel, M=Matrix.
	Indicators: (	Applica	ble to all				ed.)			for Problematic Hydric Soils <sup>3</sup> :
_ Histosol	(A1) bipedon (A2)				ndy Redo ipped Mat					/luck (A9) (LRR C) /luck (A10) (LRR B)
Black Hi					amy Muck		I (E1)			ed Vertic (F18)
-	n Sulfide (A4	)			amy Gleye	•				arent Material (TF2)
	Layers (A5)		)	De	pleted Ma	atrix (F3)			Other (	Explain in Remarks)
	ick (A9) (LRR			/	dox Dark					
	d Below Dark ark Surface (A		(A11)		pleted Da					
	lucky Mineral				dox Depre mal Pools		F8)		<sup>3</sup> Indicators	of hydrophytic vegetation and
									manoutore	er njerep njere og
Sandy G	leyed Matrix	(S4)							wetland	hydrology must be present.
	leyed Matrix ayer (if pres							_	wetland	hydrology must be present.
strictive L					•					
strictive L Type: Depth (inc	ayer (if pres			_	•				wetland	
strictive L Type: Depth (inc marks: DROLO( tland Hyd	Layer (if pres	sent):	tor is suff	icient)	•				Hydric Soil	
strictive L Type: Depth (inc marks: DROLO( tland Hyd mary Indic Surface V	GY GY GY Irology Indic ators (any on Water (A1)	sent): sators: le indica	tor is suff	_> Sa	alt Crust (	B11)			Hydric Soil	Present? Yes No No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
strictive L Type: Depth (inc marks: DROLOC tland Hyd mary Indic Surface V High Wat	Ches): Ches): GY Irology Indic ators (any on Water (A1) ter Table (A2)	sent): sators: le indica	tor is suff	} Sa Bi	otic Crust	B11) (B12)			Hydric Soil           Second	Present? Yes No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
strictive L Type: Depth (inc marks: DROLO( tland Hyd mary Indic Surface V High Wat Saturatio	GY Irology Indic ators (any on Water (A1) ter Table (A2) in (A3)	sent): sators: le indica		} Sa Bi Ad	otic Crust quatic Inve	B11) (B12) ertebrate			Hydric Soil           Second	Present? Yes No dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) rainage Patterns (B10)
strictive L Type: Depth (inc marks: DROLOO tland Hyd mary Indic Surface V High Wat Saturatio Water Ma	GY Irology Indic ators (any on Water (A1) ter Table (A2) n (A3) arks (B1) (No	sent): sators: <u>e indica</u> ) nriverin	ie)	Bi Bi Ao Hy	otic Crust quatic Inve /drogen S	B11) (B12) ertebrate Sulfide Oc	dor (C1)		Hydric Soil           Second	Present? Yes No dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2)
strictive L Type: Depth (inc marks: DROLOC tland Hyd mary Indic Surface V High Wat Saturatio Water Ma Sedimen	GY frology Indic ators (any on Water (A1) ter Table (A2) n (A3) arks (B1) (No t Deposits (B)	eators: e indica ) 2) (Noni	ie) riverine)	_≯ Sa Bi Aa Hy Ox	otic Crust quatic Inve vdrogen S kidized Rh	B11) (B12) ertebrate sulfide Oc nizospher	dor (C1) res along		Hydric Soil Second Second Second Second Second Dr Dr Dr Dr Dr ots (C3) Th	Present? Yes No dary Indicators (2 or mote required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7)
strictive L Type: Depth (inc marks: DROLOC tland Hyd mary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep	GY frology Indic ators (any on Water (A1) ter Table (A2) n (A3) arks (B1) (No t Deposits (B3) osits (B3) (No	ators: e indica ) 2) (Nom onriverin	ie) riverine)	≿ Sa Bi Ao Hy Ox Pr	otic Crust quatic Inve vdrogen S kidized Rh esence of	B11) (B12) ertebrate sulfide Oc nizospher f Reduce	dor (C1) res along d Iron (C4	4)	Hydric Soil <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Se</u>	Present? Yes No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8)
strictive L Type: Depth (inc marks: DROLOO tland Hyd mary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Dep Surface S Inundatio	GY Irology Indic ators (any on Water (A1) ter Table (A2) on (A3) arks (B1) (No t Deposits (B3) osits (B3) (No Soil Cracks (E on Visible on A	sent): sators: <u>e indica</u> ) enriverin 2) (Noni 2) (Noni 2	ie) riverine) ne)	k Sa Bi Ac Hy Oy Pr Re	otic Crust quatic Inve vdrogen S kidized Rh esence of	B11) (B12) ertebrate: Sulfide Oc hizospher f Reduce Reductio	dor (C1) res along d Iron (C4 on in Plow	4)	Hydric Soil   	Present? Yes No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)
strictive L Type: Depth (inc marks: DROLOO tland Hyd mary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Dep Surface S Inundatio Water-St	GY Irology Indic ators (any on Water (A1) ter Table (A2) on (A3) arks (B1) (No t Deposits (B3) osits (B3) (No Soil Cracks (E on Visible on / ained Leaves	sent): sators: <u>e indica</u> ) enriverin 2) (Noni 2) (Noni 2	ie) riverine) ne)	k Sa Bi Ac Hy Oy Pr Re	otic Crust quatic Inve vdrogen S kidized Rh esence of ecent Iron	B11) (B12) ertebrate: Sulfide Oc hizospher f Reduce Reductio	dor (C1) res along d Iron (C4 on in Plow	4)	Hydric Soil   	Present? Yes No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9
strictive L Type: Depth (inc marks: DROLOO tland Hyd mary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Dep Surface S Inundatio Water-St Id Observ	GY Irology Indic ators (any on Water (A1) ter Table (A2) on (A3) arks (B1) (No t Deposits (B3) osits (B3) (No Soil Cracks (E on Visible on / ained Leaves	ent): eindica ) enriverin 2) (Noni onriverin 36) Aerial Im 5 (B9)	ie) riverine) ne) nagery (B	k Sa Bi Ac Os Os Pr Re 7) Ot	otic Crust quatic Inve vdrogen S kidized Rh esence of ecent Iron her (Expla	B11) (B12) ertebrate Sulfide Oc nizospher f Reduce Reduce ain in Re	dor (C1) res along d Iron (C4 on in Plow	l) ved Soils (	Hydric Soil   	Present? Yes No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)
strictive L Type: Depth (inc marks: DROLOO tland Hyd mary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Dep Surface S Inundatio Water-St Id Observ face Wate	GY Trology Indic ators (any on Water (A1) ter Table (A2) on (A3) arks (B1) (No t Deposits (B3) osits (B3) (No Soil Cracks (Eo on Visible on A ained Leaves vations: or Present?	sent): sators: le indica ) onriverin 2) (Noni onriverin 36) Aerial Im 5 (B9) Yes	ie) riverine) ne) nagery (B	k Sa Bi Ac D Oy Oy Ot 7) Ot	otic Crust quatic Inve vdrogen S kidized Rh esence of ecent Iron her (Expla-	B11) (B12) ertebrate Sulfide Oc nizospher f Reduce Reductio ain in Rei	dor (C1) res along d Iron (C4 on in Plow marks)	l) ved Soils (	Hydric Soil   	Present? Yes No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)
strictive L Type: Depth (inc marks: DROLOO tland Hyd mary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Surface S Inundatio Water-St Id Observ face Wate ter Table F uration Pro- cludes capi	GY Irology Indic ators (any on Water (A1) ter Table (A2) in (A3) arks (B1) (No t Deposits (B3) osits (B3) (No Soil Cracks (E on Visible on / ained Leaves rations: ar Present? Present?	eators: e indica ) enriverin 2) (Noni 2) (Noni 2	ie) riverine) ne) s s s	Sa Bi Ac O; O; Pr Re 7) Ot No D No D	otic Crust quatic Inve vdrogen S kidized Rh esence of ecent Iron her (Expla- epth (inch epth (inch epth (inch	B11) (B12) ertebrates sulfide Oc hizospher f Reduce Reductionain in Res nes): nes): nes):	dor (C1) res along d Iron (C4 on in Plow marks)	l) ved Soils (  Wet	Hydric Soil Hydric Soil Second Seco	Present? Yes No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)

2.				W-17
State       CM       State	WETLAND DET	ERMINATION DAT	TA FORM – Arid West	Region
Control of the state of th	roject/Site: Collinsville	City/Coun	v Solano	Sampling Date: DQ-24-
vestgator(s): DhviStrva_Padvi gvezt, MdVell WPells       Section, Township, Range       SN 1E ZG         undform fullstope, terrace, etc.)       Lot       Local relid (concave, convex, none): NoNE       Stope (%)	pplicant/Owner IS PDIARY		State	A Sampling Point: SP-1
Indiant fullslope, terrace, etc.)       Image of the second		INIPILS Section T	Townshin Range 3N 1	6 26
ubregion (LRR):       C       Lat:       38.0797777       Long:       -121.833901       Datum:       MAVE         oil Map Unit Name:       [JA6LO - AYAR, CLAYS, 21570; 36cput       No       (If no, explain in Remarks.)       No/E         re climatic / hydrologic conditions on the site typical for this time of year? Yes       No       (If no, explain in Remarks.)       No/E         re Vegetation       Soil       or Hydrology       isignificantly disturbed?       Are "Normal Circumstances" present?       No         rev Segetation       Soil       or Hydrology       naturally problematic?       (If needed, explain any answers in Remarks.)         UUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, or hydrology Present?       No       is the Sampled Area within a Wetland?       No         Hydrophytic Vegetation Present?       Yes       No       is the Sampled Area within a Wetland?       No       Z       (A         1	andform (billslope torges at ) E	Local reli	ef (conceve convex none)	NONE Slope (%): O
re climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) No (If needed, explain any answers in Remarks (If needed, explain any ans	ubregion (LRR):	Lat: 38.07	1777 Long: -12	1.833901 Datum: NA01
re climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) No (If needed, explain any answers in Remarks (If needed, explain any ans	OII Map Unit Name: DIASLO - AYAR CLAYS	2 to 9 020 slopes	/ NV	I classification: NONE
re Vegetation			No (If no, ex	plain in Remarks.)
re Vegetation			Are "Normal Circum	stances" present? Yes No
UUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, i         Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Area within a Wetland?       Yes       No         Hydrophytic Vegetation Present?       Yes       No       within a Wetland?       Yes       No         Wetland Hydrology Present?       Yes       No       within a Wetland?       Yes       No         Remarks:       Absolute       Dominant Indicator       Number of Dominant Species       Total Number of Dominant Species       (A         1				
Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Area within a Wetland?       Yes       No         Hydroc Soil Present?       Yes       No       within a Wetland?       Yes       No         Remarks:       Absolute       Dominant Indicator Stream       No       Dominance Test worksheet:       Number of Dominant Species         Tree Stratum       (Plot size:				insects important features etc
Hydric Soil Present?       Yes       No       Is the sampled Area         Wetland Hydrology Present?       Yes       No       No         Remarks:       No       within a Wetland?       Yes       No         //EGETATION – Use scientific names of plants.       Dominant Indicator       No       No         Tree Stratum       (Plot size:)       Absolute       Dominant Indicator       No         2	OMMARY OF FINDINGS – Attach site ma	p showing sample	ng point locations, tre	insects, important reatures, etc
Hydric Soll Present?       Yes       No       within a Wetland?       Yes       No         Remarks:       No       No       Within a Wetland?       Yes       No         //EGETATION – Use scientific names of plants.       Absolute       Dominant Indicator       Number of Dominant Species         1	Hydrophytic Vegetation Present? Yes X	No Is	the Sampled Area	M
Wetland Hydrology Present?       Yes       No         Remarks:         Remarks:         //EGETATION – Use scientific names of plants.         Tree Stratum (Plot size:)       Absolute Species?         1.	Hydric Soll Present? Yes	Na		Yes X No
VEGETATION – Use scientific names of plants.         Tree Stratum (Plot size:)       Absolute Dominant Indicator Stratus       Dominance Test worksheet:         1	Wetland Hydrology Present? Yes			
Absolute       Dominant Indicator         % Cover       Species?         1.	Remarks:			
Absolute       Dominant Indicator         % Cover       Species?         1.				
Absolute       Dominant Indicator         % Cover       Species?         1.				
Absolute       Dominant Indicator         % Cover       Species?         1.				
Tree Stratum (Plot size:)       % Cover       Species?       Status       Number of Dominant Species       Z (A         1         Total Number of Dominant Species       Z (A         3         Total Number of Dominant Species       Z (A         3         Total Number of Dominant Species       Z (B         4.         Total Number of Dominant Species       Z (B         Sapling/Shrub Stratum (Plot size:)	EGETATION – Use scientific names of pla	ants.		
1.	Trop Stratum (Plat size:		2 Status	
Z       Total Number of Dominant       Z       (B         Sapling/Shrub Stratum       (Plot size:)       D       = Total Cover       Prevalence Index worksheet:         Z         OBL species       X1 =         Z          Prevalence Index worksheet:         Z             Z             Z             Z             Z             Z             Z             Z             Z             Z              Z              Z              Z </td <td></td> <td></td> <td>- Number of Do</td> <td></td>			- Number of Do	
3				
4.				
Sapling/Shrub Stratum (Plot size:)         That Are OBL, FACW, or FAC:          1.         That Are OBL, FACW, or FAC:          2.          Total % Cover of:       Multiply by:         3.          OBL species       x 1 =         4.         FACW species       x 2 =         5.         FACU species	4		Species Acros	
Sapling/Shrub Stratum (Plot size:)       Prevalence Index worksheet:         1.		Ø = Total C	Percent of Do	minant Species
2.       Total % Cover of:       Multiply by:         3.       OBL species       x 1 =         4.       FACW species       x 2 =         5.       FAC species       x 3 =         1.       DISTICHUIS SPICATA       S         2.       N       FAC         2.       Prevalence Index = B/A =       Column Totals:         4.       S       Y         5.       Y       FAC         2.       Prevalence Index = B/A =       Column Totals:         4.       Y       FACW         5.       Y       FACW         7.       S       Y         8.       GS       Total Cover         1.       Moody Vine Stratum (Plot size:       )         1.       GS       = Total Cover         1.       GS       = Total Cover         1.       Moody Vine Stratum (Plot size:       )         1.       GS       = Total Cover         1.       Moody Vine Stratum (Plot size:       )         1.       GS       = Total Cover         1.       S       Y       FACW         2.       GS       = Total Cover       Norphological Adaptations' (Provide supporting da	Sapling/Shrub Stratum (Plot size:)		That Are OBL	, FACW, OF FAC(A/B)
3.       OBL species       x 1 =	1		Prevalence Ir	dex worksheet:
4.	2			
5.	3		OBL species	x 1 =
Herb Stratum (Plot size: $S.bq.fut)$ $P$ = Total Cover         1. $DISTICHLIS SPICATA$ $S$ 2. $RMMEX CRISPUS$ $Z5$ 3. $FRANKENIA SALINA$ $Z5$ 4. $Z5$ 5. $Y$ 6. $Prevalence Index = B/A =$	4			
Herb Stratum (Plot size:       5       N       FAC         1.       OISTICALLS SPICATA       5       N       FAC         2.       RMMEX CRISPUS       25       Y       FAC         3.       FAANKENIA SALINA       35       Y       FAC         4.	5			
1. OISTICHUS SPICATAN       5       N       FAC       Column Totals:       (A)       (B)         2. RMMEX CRISPUS       25       Y       FAC       Prevalence Index = B/A =       (B)       (B)         3. FRANKENIA SALINA       35       Y       FAC       Prevalence Index = B/A =       (B)       (B)         4.	ENDT.	= Total C		
1. UISTICITION STICKT       3. UINA       3. UINA       2. V       FAC       FAC       Column Totals: (A) (B)       (A) (B)         2. RMAEX CRISPUS       2.5       V       FAC       Prevalence Index = B/A =       (B)       (C)         3. FRANKENIA SALINA       3.5       V       FAC       Hydrophytic Vegetation Indicators:       (C)         4	Herb Stratum (Plot size: ) BA. Meet)	E N		
3.       FRANKENIA SALINA       3.5       Y       FACW       Prevalence Index = B/A =         4.		- 35 V	- Column Totals	:: (A) (B)
4.		- 25 V	- FAC J Prevaler	ce Index = B/A =
Similar       Similar       X       Dominance Test is >50%         Similar       Prevalence Index is ≤3.01       Prevalence Index is ≤3.01         Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)       Problematic Hydrophytic Vegetation1 (Explain)         Noody Vine Stratum       (Plot size:)       Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)         Base       65         Base       65         Image: Stratum (Plot size:)       1				
B.				
Moody Vine Stratum       (Plot size:)         I			data in	Remarks or on a separate sheet)
Woody Vine Stratum       (Plot size:)         1          2		65 = Total C	Problema	tic Hydrophytic Vegetation <sup>1</sup> (Explain)
be present, unless disturbed or problematic.	Woody Vine Stratum (Plot size:)			
be present, unless disturbed or problematic.			Indicators of	hydric soil and wetland hydrology must
			be present, ur	less disturbed or problematic.
		= Total C		
% Bare Ground in Herb Stratum 35 % Cover of Biotic Crust 7 Yes Y No		,	Vegetation	$\checkmark$
% Bare Ground in Herb Stratum     30     % Cover of Biotic Crust     Present?     Yes     No       Remarks:	2/ Bare Ground in Herb Stratum 3.5	ver of Biotic Crust	Dresset?	Voc A No

OIL					A re			W-17
								_ Sampling Point: SP-1
rofile Descri	iption: (Describe	to the dept	needed to docu	nent the i	ndicator	or confir	m the absence of in	
Depth	Matrix			x Features				
(inches)	Color (moist)	%	Color (moist)	%	Type1	Loc <sup>2</sup>	Texture	Remarks
0-0	10YR 3/2	95	54RA/6	15	C	M	Chris	
6-11	7.5 YR 4/1	97	SYR 416	3	С	Μ	<u>U</u>	
11-15	7.5YK 3/1	100		_	-		И	
Hydric Soil In Histosol (/ Histic Epip Black Hist Hydrogen Stratified I 1 cm Muc Depleted I Thick Darl Sandy Mu	pedon (A2) tic (A3) a Sulfide (A4) Layers (A5) (LRR C ck (A9) (LRR D) Below Dark Surface ck Surface (A12) Dcky Mineral (S1)	able to all L C)		rwise note ox (S5) atrix (S6) ky Mineral yed Matrix atrix (F3) x Surface (i ark Surface ressions (F	(F1) (F2) F6) e (F7)	ed Sand G	Indicators for P1 cm Muck (2 cm Muck (Reduced VeRed ParentOther (Expla	Material (TF2) ain in Remarks) drophytic vegetation and plogy must be present,
	eyed Matrix (S4) ayer (if present):		Ÿ.				unless disturb	ped or problematic.
Type:	ayer (in present).					19		Mar -
Depth (inch	nes):						Hydric Soil Pres	ant? Var
Primary Indica Surface W High Wate Saturation Water Man Sediment	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) rrks (B1) (Nonriveri Deposits (B2) (Nor	ine) nriverine)	Salt Crust Biotic Crus Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrates Sulfide Od Rhizospher	lor (C1) res along		Water Sedim Drift D Draina	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) reposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2)
X Surface So Inundation	osits (B3) (Nonriver foil Cracks (B6) in Visible on Aerial In ained Leaves (B9) ations:		Presence Recent Irc Thin Muck Other (Exp	n Reductio Surface ((	on in Tille C7)		C6) Satura Shallor	sh Burrows (C8) ation Visible on Aerial Imagery (C9) w Aquitard (D3) Jeutral Test (D5)
Surface Water Vater Table Presentation Pres	r Present? Ye Present? Ye	es N es N	Depth (in Depth (in Depth (in Depth (in itoring well, aerial	ches): ches):		Wei	tland Hydrology Pre	esent? Yes No
	and the second second second		and a sing world	indico, pre		poorons)	, n available,	

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	IATION DATA FORM – Arid West Region
Project/Site: CollINSVILLe	City/County: Solano Sampling Date: 06-24-24
Applicant/Owner: LS POWEN	State: CA Sampling Point: SP-2
Investigator(s): Sidney Wells, Christing Rodnay	122 Section, Township, Range: 3N IE 26
	Local relief (concave, convex, none): NONE Slope (%): 22
Subregion (LRR): C	38.079765 Long: -121.833901 Datum: NAV 1985
Soil Map Unit Name: DIABLO - AYAR CLAYS, 2 to	9 90 slopes NWI classification: NONE
Are climatic / hydrologic conditions on the site typical for this time	of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signific	antly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology natural	ly problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ving sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks:	
*	
VEGETATION – Use scientific names of plants	

-	Absolute Dominant Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1)	<u>% Cover</u> <u>Species?</u> <u>Status</u>	- Number of Dominant Species (A)
2		Total Number of Dominant
3		Species Across All Strata: (B)
4		1
Sapling/Shrub Stratum (Plot size:)	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
4		FACW species x 2 =
5		FAC species x 3 =
	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: 500 ft.)		UPL species x 5 =
Polypodon monospellense	100 Y FACM	Column Totals: (A) (B)
2 Distignits spicata	20 N FAC	
3		Prevalence Index = B/A =
k		Hydrophytic Vegetation Indicators:
5,		X Dominance Test is >50%
ð.		Prevalence Index is ≤3.0 <sup>1</sup>
7		Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
3	120	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Noody Vine Stratum (Plot size: )	120 = Total Cover	
1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
		be present, unless disturbed or problematic.
2	= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum % Cov	ver of Biotic CrustO	Vegetation
		Present? Yes No
Remarks:		
		1

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		to the dep	th needed to docur			or confirm	m the absence o	f indicators.)
(inches) C ()-9 5	Matrix olor (moist)	% 100	Color (moist)	x Feature %	Type'	Loc <sup>2</sup>	Sato_	Remarks
9-13 10	YF 3/2	(60			_		Sale	
13-19 10	YR 3/1	160					Sa	
Histosol (A1) Histic Epipedo Black Histic (A Hydrogen Sulfi Stratified Laye 1 cm Muck (AS Depleted Below Thick Dark Sur Sandy Mucky I Sandy Gleyed	3) de (A4) rs (A5) (LRR C )) (LRR D) v Dark Surface face (A12) Mineral (S1) Matrix (S4)	· · · · ·	Sandy Redo Stripped Ma Loamy Muc Loamy Gley Depleted Ma Redox Dark Redox Depr Vernal Pools	trix (S6) ky Mineral ed Matrix atrix (F3) Surface ( ark Surface essions (F	(F2) F6) e (F7)		2 cm Mu Reduced Red Part Other (E <sup>3</sup> Indicators of wetland hy	ck (A9) (LRR C) ck (A10) (LRR B) I Vertic (F18) ent Material (TF2) xplain in Remarks) hydrophytic vegetation and drology must be present, urbed or problematic.
estrictive Layer	if present):					-		1

## HYDROLOGY

Wetland Hydrology Indica	itors:				
Primary Indicators (minimum	m of one requ	uired; cl	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 (B	13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nor	riverine)		Hydrogen Sulfide Odor (	C1)	Drainage Patterns (B10)
Sediment Deposits (B2	) (Nonriverin	ne)	Oxidized Rhizospheres	along Living Roots (C3)	Dry-Season Water Table (C2)
Drift Deposits (B3) (No	nriverine)		Presence of Reduced In	on (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (Bi	6)		Recent Iron Reduction in	Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)
Inundation Visible on A	erial Imagery	(B7)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Water-Stained Leaves	(B9)		Other (Explain in Remar	ks)	FAC-Neutral Test (D5)
Field Observations:					
Surface Water Present?	Yes	_ No	Depth (inches):		
Water Table Present?	Yes	_ No	Depth (inches):		V
Saturation Present? (includes capillary fringe)	Yes	_ No	Depth (inches):	Wetland Hy	drology Present? Yes No
	tream gauge,	monito	oring well, aerial photos, previo	us inspections), if availa	able:
Remarks:					
					1
		1	`		1
			3		

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WETLAN	D DETERMINATION	DATA FORM	- Arid West Regio	W-18
roject/site: Collinsville	City			Sampling Date: 00 - 24 - 24
pplicanvowner. US POWEY	Oly	county o + + +	State CA	Sampling Point: SP-1
vestigator(s) Christing Rodingvez	Situar WPUS soc	tion Township Ba	State:	I F
ndform (hillslope, terrace, etc.):	at los	al sellef (concerns	nge: 00 510	
bregion (LRR):	100 38 0	78 LIS	convex, none): NV	Slope (%): 0
bregion (LRR). Valdaz cilt loan	n draved At. 7	Vac Date MI	Long: _121.85	5576 Datum: NAD 1983
Il Map Unit Name: Valdezsilt loan	rujalainea, UNEC	asertas m	NWI classifi	cation: TRESHWATER LATRON
e climatic / hydrologic conditions on the site typ		/		
e Vegetation, Soil, or Hydrolog			"Normal Circumstances"	present? Yes X No
e Vegetation, Soil, or Hydrolog	y naturally probler	natic? (If ne	eeded, explain any answ	ers in Remarks.)
JMMARY OF FINDINGS – Attach s	ite map showing sa	mpling point I	ocations, transect	s, important features, etc.
-	X No No X No X	Is the Sampled within a Wetla		No_X
emarks:				
GETATION – Use scientific names	s of plants.			
ree Stratum (Plot size:)		minant Indicator	Dominance Test wor	ksheet:
		ecies? Status	Number of Dominant S	
			That Are OBL, FACW,	or FAC: (A)
			Total Number of Domi	
			Species Across All Str	rata: (B)
apling/Shrub Stratum (Plot size:		otal Cover	Percent of Dominant S That Are OBL, FACW,	
			Prevalence Index wo	rksheet:
			Total % Cover of:	Multiply by:
			OBL species	x 1 =

= Total Cover

= Total Cover

= Total Cover

5

Ø

% Cover of Biotic Crust

)

0

US Army	Corps	of	Engineers
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4.

5.

2.

3.

4.

5.

7.

8

1.

2.

Remarks:

Herb Stratum (Plot size: 5 A. A

5015

1. Distichlis spicato

entairea

6.

Woody Vine Stratum (Plot size:

% Bare Ground in Herb Stratum

No

FACW species x 2 =

 FAC species
 x 3 =

 FACU species
 x 4 =

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

Dominance Test is >50%

Prevalence Index is ≤3.01

x 5 =

Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B)

Morphological Adaptations<sup>1</sup> (Provide supporting

data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must

be present, unless disturbed or problematic.

UPL species

Hydrophytic

Vegetation

Present?

uescription: (Desc	ribe to the dep	oth needed to doo	cument the i	indicator	or confir	m the absence o	of indicators.)
Depth Ma	-		dox Feature				Demedia
(inches) Color (mois	st) %	Color (moist)	%	Type'	Loc <sup>2</sup>	Texture	Remarks
1	7					SAND	
0-3.5 10YR2	1 100						
1 t a 3 - VA	3/- 100					- A.10	
3.5-9 7.5 YR	3 100					SAND	
9-15.5 7.54R=	3/2 95	IDVR 51	5%	C	Μ	SAND	
				-			
Type: C=Concentration, D	=Depletion, RM	Reduced Matrix,	CS=Covered	d or Coate	ed Sand G	Grains. <sup>2</sup> Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (A	pplicable to all	I LRRs, unless of	herwise note	ed.)			or Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Sandy R	edox (S5)				uck (A9) (LRR C)
<ul> <li>Histic Epipedon (A2)</li> </ul>			Matrix (S6)				ick (A10) (LRR B)
Black Histic (A3)		Loamy M					d Vertic (F18)
_ Hydrogen Sulfide (A4)			leyed Matrix	(F2)			ent Material (TF2) xplain in Remarks)
Stratified Layers (A5) (I			Matrix (F3)			Other (E	xplain in Remarks)
_ 1 cm Muck (A9) (LRR I			ark Surface ( Dark Surfac				
<ul> <li>Depleted Below Dark S</li> <li>Thick Dark Surface (A1</li> </ul>			epressions (F			<sup>3</sup> Indicators of	f hydrophytic vegetation and
INIGK Dark Sunace (A)				0)			/drology must be present,
	S1)	Vernal P	ools(E9)				alology must be present,
Sandy Mucky Mineral (		Vernal Pe	ools (F9)				turbed or problematic.
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S	64)	Vernal Po	ools (F9)				
Sandy Mucky Mineral ( Sandy Gleyed Matrix ( Sestrictive Layer (if prese	64) nt):	Vernal Po	ools (F9)		_		
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches):	54) nt):	Vernal Pa	oois (F9)			unless dist	
Sandy Mucky Mineral ( Sandy Gleyed Matrix ( Restrictive Layer (if prese	54) nt):	Vernal Pr	oois (F9)			unless dist	turbed or problematic.
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks:	54) nt):	Vernal Pr	oois (F9)			unless dist	turbed or problematic.
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY	34) nt):	Vernal Pa	oois (F9)			unless dist	turbed or problematic.
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicat	64) nt):					unless dist	turbed or problematic.
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicat rimary Indicators (minimum	64) nt):	d; check all that ap				Unless dist	turbed or problematic.  resent? Yes No
Sandy Mucky Mineral (A Sandy Gleyed Matrix (Sestrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicat trimary Indicators (minimum Surface Water (A1)	64) nt):	d; check all that an Salt Cru	oply) st (B11)			Unless dist	turbed or problematic.  resent? Yes No
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicat rimary Indicators (minimum Surface Water (A1) High Water Table (A2)	64) nt):	d; check all that ap Salt Cru Biotic C	oply) st (B11) rust (B12)	s (B13)		Unless dist	turbed or problematic.  resent? Yes No X
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicat trimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3)	34) nt): tors: n of one require	d; check all that ap Salt Cru Biotic C Aquatic	oply) st (B11) rust (B12) Invertebrates			Unless dist	turbed or problematic.  resent? Yes No X ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) it Deposits (B3) (Riverine)
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicat trimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None	34) nt): tors: n of one require riverine)	d; check all that ap Salt Cru Biotic Cr Aquatic Hydroge	oply) st (B11) rust (B12) Invertebrates en Sulfide Od	lor (C1)	Living Ro	Unless dist	turbed or problematic.  resent? Yes No X ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) it Deposits (B3) (Riverine) inage Patterns (B10)
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicat trimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nom Sediment Deposits (B2)	34) nt): fors: n of one require riverine) (Nonriverine)	d; check all that an Salt Cru Biotic Cru Aquatic Hydroge Oxidized	oply) st (B11) rust (B12) Invertebrates en Sulfide Od d Rhizospher	lor (C1) es along		Hydric Soil Pr Hydric Soil Pr Seconda Wat Drif Dra ots (C3) Dry	turbed or problematic.  resent? Yes No X ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2)
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicat trimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None	34) nt): tors: <u>n of one require</u> riverine) (Nonriverine) riverine)	d; check all that an Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc	oply) st (B11) rust (B12) Invertebrates en Sulfide Od d Rhizospher e of Reduced	lor (C1) res along d Iron (C4	-)	Hydric Soil P Hydric Soil P Seconda Seconda Seconda Drif Dra ots (C3) - Dry - Cra	turbed or problematic.  resent? Yes No X ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) tinage Patterns (B10) -Season Water Table (C2) tyfish Burrows (C8)
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks:  YDROLOGY  Vetland Hydrology Indicat trimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6)	34) nt): tors: n of one require riverine) (Nonriverine) riverine) )	d; check all that ap Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent I	oply) st (B11) rust (B12) Invertebrates en Sulfide Od d Rhizospher e of Reduced ron Reductio	lor (C1) res along d Iron (C4 on in Tilleo	-)	Hydric Soil Pri Hydric Soil Pri Seconda Wat Sec Drif Dra ots (C3) Dry Cra 6) Sat	turbed or problematic.  resent? Yes No X ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) tinage Patterns (B10) -Season Water Table (C2) hyfish Burrows (C8) uration Visible on Aerial Imagery (C9)
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicat trimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6 Inundation Visible on Ae	34) nt): tors: n of one require riverine) (Nonriverine) riverine) ) rial Imagery (B:	d; check all that ap Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent I 7) Thin Mu	oply) st (B11) rust (B12) Invertebrates en Sulfide Od d Rhizospher e of Reduced ron Reductio ck Surface (0	lor (C1) res along d Iron (C4 on in Tilleo C7)	-)	Hydric Soil Pri Hydric Soil Pri Seconda Wat Seconda Drif Drif Dra ots (C3) Dry Cra 6) Sat	turbed or problematic.  resent? Yes No X  ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) tinage Patterns (B10) -Season Water Table (C2) hyfish Burrows (C8) uration Visible on Aerial Imagery (CS allow Aquitard (D3)
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks:  YDROLOGY  Vetland Hydrology Indicat Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6 Inundation Visible on Ae Water-Stained Leaves (I)	34) nt): tors: n of one require riverine) (Nonriverine) riverine) ) rial Imagery (B:	d; check all that ap Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent I 7) Thin Mu	oply) st (B11) rust (B12) Invertebrates en Sulfide Od d Rhizospher e of Reduced ron Reductio	lor (C1) res along d Iron (C4 on in Tilleo C7)	-)	Hydric Soil Pri Hydric Soil Pri Seconda Wat Seconda Drif Drif Dra ots (C3) Dry Cra 6) Sat	turbed or problematic.  resent? Yes No  ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) tinage Patterns (B10) -Season Water Table (C2) hyfish Burrows (C8) uration Visible on Aerial Imagery (C9)
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks:  YDROLOGY  Vetland Hydrology Indicat Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nom Sediment Deposits (B2) Drift Deposits (B3) (Nom Surface Soil Cracks (B6 Inundation Visible on Ae Water-Stained Leaves (if ield Observations:	34) nt): cors: n of one require riverine) (Nonriverine) riverine) ) rial Imagery (B: 39)	d; check all that ag Salt Cru Biotic Cru Biotic Cru Aquatic Hydroge Oxidized Presenc Recent I 7) Thin Mu Other (E	oply) st (B11) rust (B12) Invertebrates en Sulfide Od d Rhizospher e of Reduced ron Reduction ck Surface (0 xplain in Ref	lor (C1) res along d Iron (C4 on in Tilleo C7) marks)	) I Soils (C	Hydric Soil Pri Hydric Soil Pri Seconda Wat Seconda Drif Drif Dra ots (C3) Dry Cra 6) Sat	turbed or problematic. resent? Yes No No ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) it Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) hyfish Burrows (C8) uration Visible on Aerial Imagery (C9 allow Aquitard (D3)
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks:  YDROLOGY  Vetland Hydrology Indicat Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6 Inundation Visible on Ae Water-Stained Leaves (I Surface Water Present?	S4) nt): cors: n of one require (Nonriverine) (Nonriverine) iverine) ) rial Imagery (B: 39) Yes	d; check all that an Salt Cru Biotic Cru Biotic Cru Biotic Cru Aquatic Aquatic Oxidized Presenc Recent I 7)Thin Mu Other (E NoDepth (	oply) st (B11) rust (B12) Invertebrates en Sulfide Od d Rhizospher e of Reduced ron Reductio ck Surface (C xplain in Rer inches):	lor (C1) res along d Iron (C4 on in Tilleo C7) marks)	) 1 Soils (Cl	Hydric Soil Pri Hydric Soil Pri Seconda Wat Seconda Drif Drif Dra ots (C3) Dry Cra 6) Sat	turbed or problematic. resent? Yes No No ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) it Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) hyfish Burrows (C8) uration Visible on Aerial Imagery (C9 allow Aquitard (D3)
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicat Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on Ae Water-Stained Leaves (i Field Observations: Surface Water Present? Water Table Present?	S4) nt): cors: n of one require riverine) (Nonriverine) riverine) ) rial Imagery (B: 39) Yes 1 Yes 1	d; check all that and Salt Cru Biotic C Aquatic Aquatic Presenc Recent I 7) Thin Mu Other (E No X Depth (	oply) st (B11) rust (B12) Invertebrates en Sulfide Od d Rhizospher e of Reducer ron Reductio ck Surface (0 xplain in Rer inches): inches):	lor (C1) res along d Iron (C4 on in Tilleo C7) marks)	) d Soils (Co	Hydric Soil P Hydric Soil P Seconda Seconda Seconda Drif Dra ots (C3) - Dry Cra 6) _ Sat Sha _ FAC	turbed or problematic.  resent? Yes No X ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) ayfish Burrows (C8) uration Visible on Aerial Imagery (C9 allow Aquitard (D3) C-Neutral Test (D5)
Sandy Mucky Mineral ( Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicat Primary Indicators (minimum Surface Water (A1) High Water Table (A2)	S4) nt): cors: n of one require (Nonriverine) (Nonriverine) ) riverine) ) rial Imagery (B: 39) Yes I Yes I Yes I	d; check all that an Salt Cru Biotic Cru Biotic Cru Biotic Cru Biotic Cru Aquatic _	oply) st (B11) rust (B12) Invertebrates en Sulfide Od d Rhizospher e of Reduced ron Reductio ck Surface (C xplain in Rer inches): inches):	lor (C1) res along d Iron (C4 on in Tilleo C7) marks)	) d Soils (Co	Hydric Soil P Hydric Soil P Seconda Seconda Unif Dra ots (C3) Dry Cra 6) Sat Sha Band Hydrology I	turbed or problematic. resent? Yes No No ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) it Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) hyfish Burrows (C8) uration Visible on Aerial Imagery (C9 allow Aquitard (D3)

Solit Map Unit Name       Ind Jetz Sitt Toary, Jraised Oto 21% Strue, MURA 16       NWI classification       FERMATE/       Example Area         ve vegetation       . Soli       . or Hydrology       significantly disturbed?       Are "Normal Circumstances" present?       Yes		JW-18
Troject/Site:       COUNTY       State       Sampling Date:       \$2-2.5         Applicant/Comer       State       Sampling Date:       \$2-2.5         Amapping Date:       \$2-2.5         State Date:       \$2-2.5         Amapping Date:       \$2-2.5         State:       \$2-2.5         Amapping Date:       \$2-2.5         Amapping Date:       \$2-2.5         State:       \$2-2.5         Amapping Date:       \$2-2.5	WETLAND DETERMINATION DATA SHEET – Arid West Regio	n Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
Hydrophytic Vegetation Present?       Yes       No       is the Sampled Area within a Wetland?       Yes       No         Hydrophytic Vegetation Present?       Yes       No       within a Wetland?       Yes       No         Remarks       No       Mo       within a Wetland?       Yes       No         Remarks       Mo       Mo       Mo       Mo       Mo         If CEGETATION - Use scientific names of plants.       Dominance Test worksheet:       Number of Dominant Species That Are OBL, FACW, or FAC:       (A)         2	Project/Site:       COUNSYILLE       City/County:         Applicant/Owner:       L3-POWER       City/County:         Investigator(s).       SIDNEY       WEWS+CY RODRIGUEZ Section, Townshilt, andform (hillside, terrace, etc.):       FLat         Subregion (LRR):       C       Lat:       381078828       Long         Soil Map Unit Name:       VALLEZ SILE Loan, drained Oto Zhodopean       No         Soil Map Unit Name:       VALLEZ SILE Loan, drained Oto Zhodopean       No         Soil Map Unit Name:       VALLEZ SILE Loan, drained Oto Zhodopean       No         Soil Map Unit Name:       VALLEZ SILE Loan, drained Oto Zhodopean       No         Soil Map Unit Name:       VALLEZ SILE Loan, drained Oto Zhodopean       No         Soil Map Unit Name:       Vallez Sile Loan, drained Oto Zhodopean       No         Soil Map Unit Name:       Vallez Sile Loan, drained Oto Zhodopean       No         Stre Vegetation       , Soil       , or Hydrology       significantly disturbed?       Are "Nor         Stre Vegetation       , Soil       , or Hydrology       naturally problematic?       (If needee)	State:       CA       Sampling Point:       ST=2         hip, Range:       OO       3N       IE         , convex, none):
VEGETATION – Use scientific names of plants.         Indext Stratum       Openinant       Indicator         1	Hydrophytic Vegetation Present? Yes X No Hydric Soll Present? Yes No Wetland Hydrology Present? Yes No	led Area
3.	1	Number of Dominant Species That       \         Are OBL, FACW, or FAC:       (A)         Total Number of Dominant Species       (B)         Across All Strata:       (B)
Image: Stratum       Image	Herb Stratum (Plot size: Say AL) Herb Stratum (Plot size: Say AL) Rumex Ovispus AL Distictlis colcata Brassica 2, so (bia(a?)) = 51	Total % Cover of:         Multiply by:           OBL species         x 1 =           FACW species         x 2 =           FAC species         x 3 =           FACU species         x 4 =           UPL species         x 5 =           Column Totals:         (A)
6 Bare Ground in Herb Stratum 9 % Cover of Biotic Crust 9 Present? Yes X No	Noody Vine Stratum (Plot size:)	Dominance Test is >50%     Prevalence Index is ≤3.0 <sup>1</sup> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)     Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must
temarks: The process of BRASSIGNERE did not have all parts for thenefration	~ ~ ~	Vegetation Present? Yes X No

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N.

Arid West - Version 2.0

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-				confirm th	e absence d	of indicators.)
ofile Description: (Describe to the d				Commun		
epth Matrix Inches) Color (moist) %	Color (moist)	Features %	Type <sup>1</sup> Loc	Te	exture	Remarks
	Color (moist)				Sa	
-3.5 <u>357R2/1</u>						
E-95 19110 3/1 R	1510 4/4	74 0	toi n	A Sa		
5-8.5 DYR34 96	104R 4/4	44	40-			
5-165 TXR 4/6 93	ne upist		A M	Ca	/	· -
5-165 TYR 4/6 93	76 4846	_ <u>T</u> _	V I			
					21 000	tion: PL=Pore Lining, M=Matrix.
pe: C=Concentration, D=Depletion, R				Sand Grain		s for Problematic Hydric Soils <sup>3</sup> :
dric Soil Indicators: (Applicable to a			ted.)			Muck (A9) (LRR C)
Histosol (Å1)	Sandy Rede					Muck (A10) (LRR B)
Histic Epipedon (A2)	Stripped Ma					Manganese Masses (F12) (LRR D)
Black Histic (A3)	Loamy Muc					ced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gley					Parent Material (F21)
Stratified Layers (A5) (LRR C)	Depleted M					· · · · · · · · · · · · · · · · · · ·
A cm Muck (A9) (LRR D)	Redox Dark					Shallow Dark Surface (F22)
Depleted Below Dark Surface (A11)	Depleted Da				Other	(Explain in Remarks)
Thick Dark Surface (A12)	Redox Depr	ressions (	(F8)			
Sandy Mucky Mineral (S1)						
	ators of hydrophytic ve	getation	and wettand	hydrology m	nust be prese	nt, unless disturbed or problematic.
	ators of hydrophytic ve	getation a	and wettand	hydrology m	nust be prese	nt, unless disturbed or problematic.
_Sandy Gleyed Matnx (S4) Indica strictive Layer (if observed): Type:	ators of hydrophytic ve	getation a	and wettand		1	```
strictive Layer (if observed):		getation a	and wettand		Soil Present	```
strictive Layer (if observed): Type: Depth (inches):		getation a	and wettand		1	```
strictive Layer (if observed): Type:		getation	ano wettano		1	```
strictive Layer (if observed): Type: Depth (inches):		getation a	ano wetano		1	```
strictive Layer (if observed): Type: Depth (inches):		getation a	and wettand		1	```
strictive Layer (if observed): Type: Depth (inches).		getation a	ano wetrano		1	```
strictive Layer (if observed): Type: Depth (inches): marks:		getation a			1	```
strictive Layer (if observed): Type: Depth (inches): marks: DROLOGY		getation a			1	```
strictive Layer (if observed): Type: Depth (inches). marks: DROLOGY tland Hydrology Indicators:					Soil Present	? Yes No
strictive Layer (if observed): Type: Depth (inches). marks: DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is reg	uired; check all that ap	oply)			Soil Present	? Yes No
strictive Layer (if observed): Type: Depth (inches) marks: DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is reg Surface Water (A1)	uired; check all that ap Salt Crust (F	oply) B11)			Soil Present	Yes No
strictive Layer (if observed): Type: Depth (inches). marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is reg Surface Water (A1) High Water Table (A2)	uired; check all that ap Salt Crust (E Biotic Crust	oply) B11) (B12)			Soil Present	? Yes No
strictive Layer (if observed): Type: Depth (inches). marks: DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is reg Surface Water (A1) High Water Table (A2) Saturation (A3)	uired; check all that ap Salt Crust (F Biotic Crust	oply) B11) (B12) ertebrates	s (B13)		Soil Present Secondary Water Sedim Drift D	? Yes No
strictive Layer (if observed): Type: Depth (inches): marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S	oply) B11) (B12) ertebrates sulfide Odd	s (B13) or (C1)	Hydric S	Soil Present Secondary Water Sedim Drift D Draina	Yes No
strictive Layer (if observed): Type: Depth (inches): marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S	oply) B11) (B12) ertebrates sulfide Odu nizosphere	s (B13) or (C1) es on Living	Hydric S	Soil Present Secondary Water Sedim Drift D Draina Dry-Se	Yes No
strictive Layer (if observed): Type: Depth (inches): marks: DROLOGY stland Hydrology Indicators: mary Indicators (minimum of one is reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	uired; check all that ap Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of	oply) B11) (B12) ertebrates sulfide Ode nizosphere f Reduced	s (B13) lor (C1) es on Living d Iron (C4)	Hydric S	Soil Present Secondary Water Sedim Drift D Draina Dry-Se Crayfis	? Yes No       ? Yes No       y Indicators (minimum of two requires       Marks (B1) (Riverine)       nent Deposits (B2) (Riverine)       Deposits (B3) (Riverine)       age Patterns (B10)       eason Water Table (C2)       sh Burrows (C8)
strictive Layer (if observed): Type: Depth (inches): marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	oply) B11) (B12) ertebrates sulfide Odd nizosphere f Reduced Reductio	s (B13) for (C1) es on Living d Iron (C4) on in Tilled S	Hydric S	Soil Present Secondary Water Sedim Drift D Dry-Se Crayfis Satura	Yes No <p< td=""></p<>
strictive Layer (if observed): Type: Depth (inches). marks:  DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron B7) Thin Muck S	oply) B11) (B12) ertebrates sulfide Odd nizosphere f Reduced Reductio Surface (C	s (B13) or (C1) es on Living d Iron (C4) on in Tilled S C7)	Hydric S	Soil Present Secondary Water Sedim Drift D Draina Dry-Se Crayfis Satura Shallo	Yes No <p< td=""></p<>
strictive Layer (if observed): Type: Depth (inches). marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery ( Water-Stained Leaves (B9)	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	oply) B11) (B12) ertebrates sulfide Odd nizosphere f Reduced Reductio Surface (C	s (B13) or (C1) es on Living d Iron (C4) on in Tilled S C7)	Hydric S	Soil Present Secondary Water Sedim Drift D Draina Dry-Se Crayfis Satura Shallo	Yes No <p< td=""></p<>
strictive Layer (if observed): Type: Depth (inches). marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery ( Water-Stained Leaves (B9) Id Observations:	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron B7) Thin Muck S Other (Expla	oply) B11) (B12) ertebrates sulfide Odd hizosphere f Reduced Reductio Surface (C aln in Ren	s (B13) or (C1) es on Living d Iron (C4) on in Tilled S C7) marks)	Hydric S	Soil Present Secondary Water Sedim Drift D Draina Dry-Se Crayfis Satura Shallo	Yes No <p< td=""></p<>
strictive Layer (if observed): Type: Depth (inches). marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery ( Water-Stalned Leaves (B9) Id Observations: face Water Present? Yes	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron B7) Thin Muck S Other (Expla	oply) B11) (B12) ertebrates sulfide Od nizosphere f Reduced Reductio Surface (C aln in Ren	s (B13) for (C1) es on Living d Iron (C4) on in Tilled S C7) marks) hes):	Hydric S	Soil Present Secondary Water Sedim Drift D Draina Dry-Se Crayfis Satura Shallo	Yes No <p< td=""></p<>
strictive Layer (if observed): Type: Depth (inches): marks: DROLOGY stland Hydrology Indicators: mary Indicators (minimum of one is req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sufface Soil Cracks (B6) Inundation Visible on Aerial Imagery ( Water-Stained Leaves (B9) Id Observations: face Water Present? Yes ter Table Present? Yes	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron B7) Thin Muck S Other (Expla	oply) B11) (B12) ertebrates sulfide Od nizosphere f Reduceto Reductio Surface (C ain in Ren Depth (incl	s (B13) or (C1) es on Living d Iron (C4) on in Tilled S C7) marks) hes):	Hydric S Roots (C3) pils (C6)	Soil Present Secondary Water Sedim Drift D Draina Dry-Se Crayfit Satura Shallo FAC-N	? Yes No          ? Yes No         y Indicators (minimum of two required to the second
strictive Layer (if observed): Type: Depth (inches). marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery ( Water-Stained Leaves (B9) Id Observations: face Water Present? Yes uration Present? Yes	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron B7) Thin Muck S Other (Expla	oply) B11) (B12) ertebrates sulfide Od nizosphere f Reduced Reductio Surface (C aln in Ren	s (B13) or (C1) es on Living d Iron (C4) on in Tilled S C7) marks) hes):	Hydric S Roots (C3) pils (C6)	Soil Present Secondary Water Sedim Drift D Draina Dry-Se Crayfis Satura Shallo	? Yes No          ? Yes No         y Indicators (minimum of two required to the second
strictive Layer (if observed): Type: Depth (inches). marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery ( Water-Stained Leaves (B9) Id Observations: face Water Present? Yes ter Table Present? Yes uration Present? Yes Uratio	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron B7) Thin Muck S Other (Expla	oply) B11) (B12) ertebrates Sulfide Od nizosphere f Reduced Reductio Surface (C ain in Ren Depth (incl Depth (incl Depth (incl	s (B13) for (C1) es on Living d Iron (C4) on in Tilled S C7) marks) hes): hes): hes):	Hydric S Roots (C3) bils (C6)	Soil Present Secondary Water Sedim Drift D Draina Dry-Se Crayfis Satura Shallo FAC-N Md Hydrology	? Yes No          ? Yes No         y Indicators (minimum of two required to the second
strictive Layer (if observed): Type: Depth (inches). marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one is req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery ( Water-Stained Leaves (B9) Id Observations: face Water Present? Yes uration Present? Yes	uired; check all that ap Salt Crust (E Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron B7) Thin Muck S Other (Expla	oply) B11) (B12) ertebrates Sulfide Od nizosphere f Reduced Reductio Surface (C ain in Ren Depth (incl Depth (incl Depth (incl	s (B13) for (C1) es on Living d Iron (C4) on in Tilled S C7) marks) hes): hes): hes):	Hydric S Roots (C3) bils (C6)	Soil Present Secondary Water Sedim Drift D Draina Dry-Se Crayfis Satura Shallo FAC-N Md Hydrology	? Yes No          ? Yes No         y Indicators (minimum of two required to the second

Arid West - Version 2.0

See ERDC/EL TR-08-28; the proponent agency is CECW-CC	gion Requirement Control Symbol EXEMPT: OR (Authority: AR 335-15, paragraph 5-2a)
Project/Site:       Could NS VILL(       City/County         Applicant/Owner:       LS       FOUNTR       City/County         Investigator(s):       S. NLLS + CXFOORIGUE2       Section, Tov         Landform (hillside, terrace, etc.):       Feat       Local relief (cond         Subregion (LRR):       C       Lat:       38.078463         Soil Map Unit Name:       VALOR2 51H [OAM, d (ALA, OTa 246 Stopper, Mill         Are climatic / hydrologic conditions on the site typical for this time of year?       Ye         Are Vegetation       , Soil       , or Hydrology       significantly disturbed? Are	State:       A       Sampling Date:       6-25-24         State:       A       Sampling Point:       50-3         wnship, Range:       OO       3N       16         cave, convex, none):       Mare       Slope (%):       8         Long:       -121,835468       Datum:       NAP198         URA 16       NWI classification:       FMESHWATER EMEN         state:       No       (If no, explain in Remarks.)       WET UN         "Normal Circumstances" present?       Yes       No       No         weeded, explain any answers in Remarks.)       No       State:       No
Hydrophytic Vegetation Present? Yes No Is the S	ampled Area a Wetland? Yes No X

Tree Stratum (Plot size:	)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1 2					Number of Dominant Species Are OBL, FACW, or FAC:	That 2 (A)
3					Total Number of Dominant Sp Across AlJ Strata:	ecies <u> </u>
A. 19 19 19 19 19 19 28	size:)	Q	=Total Cover		Percent of Dominant Species Are OBL, FACW, or FAC:	That 100% (A/B)
1 2					Prevalence Index workshee Total % Cover of:	t: Multiply by:
3					OBL species	x 1 =
4						x2=
5		-+-	T-1-10-		FACW species	
	C. CL.	<u> </u>	=Total Cover			x 3 = x 4 =
Hero Stratum (Plot size:		15	KI	0101	FACU species	
1. SCHOENOPLENTINS GALI	FURNICAS	15	-11	TPC	UPL species	x 5 =(P)
2. RUMEX CRISPUS		0	N	FAC		A) (B)
3. FRANKENIA SALINA		35	4	FACW	Prevalence Index = B/A =	
4. HELIO TROPHAM CURP		5	N	FACU		
5. XANTHINM STRUMAR	214M	15	N	FAC	Hydrophytic Vegetation Inc	
6. PSEUDOGNAPHALINM	STAAMINEUM	3	H	FAC	Dominance Test is >50%	
7. DISTICHUS SPICATA		50	1	FAC	Prevalence Index is ≤3.0	
8.					Morphological Adaptation	
		148	=Total Cover		data in Remarks or on	
Woody Vine Stratum (Plot si	ize: )				Problematic Hydrophytic	Vegetation <sup>1</sup> (Explain)
1.					<sup>1</sup> Indicators of hydric soil and	wetland hydrology must
2.					be present, unless disturbed	or problematic.
% Bare Ground in Herb Stratum	) % C	over of Biot	=Total Cover		Hydrophytic Vegetation Present? Yes	No
Remarks: VAV+				met	observed at nodes	
Remarks: XANthum Strue Corie	(mpil else	no ane	n opin)		avoing a nones	

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ENG FORM 6116-1, FEB 2024

10-18

	otion: (Describe)	to the dep	oth needed to docu			ator or c	onfirm the	absence	a or indicate	ors.)	
Depth _	Matrix Color (moist)	%		x Featur	1	Loc <sup>2</sup>	Тех	dure	1	Rema	rks
(inches)	IN YR 7/1	07	Color (moist) 7.57K 57L	_%	Type'		Sac		Oxipr		oslitere
<u></u>	10 mgl		1.5/1016	3	Le	PZ,M	520	TLU	3	1	H 54
									-	Vanger	me, mor
E 9 -	10 40 3/2	00	FV0 111		-						
3-1	10 1K - 3	48	54R 4/6	2	C	M	So				
2 12 7	Alat	~									
9-15 1	157512	95	7.5 MR 4/6	5	C	M	Sa				
							-				
<sup>1</sup> Type: C=Cono	entration, D=Depl	etion, RM	=Reduced Matrix, C	S=Cove	ered or C	coated Sa	and Grains	. <sup>2</sup> Lo	cation: PL=	Pore Lining	, M=Matrix.
Hydric Soil Ind	icators: (Applica	ble to all	LRRs, unless othe	rwise n	oted.)			Indicat	ors for Prob	lematic Hy	dric Soils <sup>3</sup> :
Histosol (A1	)		Sandy Red					1 ci	m Muck (A9)	(LRR C)	
Histic Epipe			Stripped M						m Muck (A10		
Black Histic			Loamy Mu						-Manganese		12) (LRR D
Hydrogen S			Loamy Gle	10 C C C C C C C C					Juced Vertic		
	ayers (A5) (LRR C (A9) (LRR D)	.)	Depleted M						Parent Mat		(500)
	elow Dark Surface	(A11)	Redox Dar			N			y Shallow Da		
	Surface (A12)		Depleted D Redox Dep			,			er (Explain in	r Remarks)	
	ky Mineral (S1)										
Sandy Gley	red Matrix (S4)	<sup>3</sup> Indicat	ors of hydrophytic ve	egetatio	n and we	etland hyd	drology mu	ist be pres	sent, unless	disturbed o	r problemati
Restrictive Lay	ver (if observed):	-	*					15	4. N.		
											1
Type:								-4.1			/
Type: Depth (inch Remarks:	nes):						Hydric So	oil Preser	nt?	Yes	<u>No</u>
Depth (inch Remarks:			_				Hydric So	oil Preser	nt?	Yes	<u>No</u>
Depth (inch							Hydric So	oil Preser	nt?	Yes	No_
Depth (inch Remarks:							Hydric So	oil Preser	nt?	Yes	No
Depth (inch Remarks: HYDROLOG) Wetland Hydro	Y logy Indicators:	ne is requi	ired; check all that a				Hydric So	Seconda	ary Indicator	s (minimum	i of two requ
Depth (inch Remarks: HYDROLOG) Wetland Hydro Primary Indicato Surface Wa	Y logy Indicators: ors (minimum of or ter (A1)	ne is requi	Salt Crust (	(B11)			Hydric So	Seconda	ary Indicator er Marks (B	s (minimum 1) (Riverino	n of two requi
Depth (inch Remarks: HYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water	Y logy Indicators: ors (minimum of or ter (A1) Table (A2)	ne is requi	Salt Crust ( Biotic Crust	(B11) t (B12)	oc (P12)		Hydric So	Seconda Wat	ary Indicator er Marks (B iment Depos	s (minimum 1) (Riverine sits (B2) (R	e) iverine)
Depth (inch Remarks: HYDROLOG) Wetland Hydro Primary Indicato Surface Wa High Water Saturation (A	Y logy Indicators: ors (minimum of or ter (A1) Table (A2) A3)		Salt Crust ( Biotic Crus Aquatic Inv	(B11) t (B12) vertebrat			Hydric So	Seconda Wat Sed	ary Indicator er Marks (B liment Deposits (E	s (minimum 1) (Riverine sits (B2) (R 3) (Riverin	e) iverine)
Depth (inch Remarks: HYDROLOG) Wetland Hydro Primary Indicato Surface Wa High Water Saturation ( Water Marks	Y logy Indicators: ors (minimum of or ter (A1) Table (A2) A3) s (B1) (Nonriverir	ne)	Salt Crust ( Biotic Crust Aquatic Inv Hydrogen S	(B11) t (B12) vertebrat Sulfide C	dor (C1	)		Seconda Wat Sed Driff Dra	ary Indicator er Marks (B iment Depos t Deposits (E inage Patter	s (minimum 1) (Riverin sits (B2) (R i3) (Riverin ns (B10)	n of two requ e) iverine) ne)
Depth (inch Remarks: HYDROLOG) Wetland Hydro Primary Indicato Surface Wat High Water Saturation ( Water Marks Sediment D	Y logy Indicators: ors (minimum of or ter (A1) Table (A2) A3)	ne) riverine)	Salt Crust ( Biotic Crus Aquatic Inv	(B11) t (B12) vertebrat Sulfide C hizosph	Odor (C1 eres on l	) Living Ro		Seconda Wat Sed Drift Dra Dry	ary Indicator er Marks (B iment Depos t Deposits (E inage Patter -Season Wa	s (minimum 1) (Riverin sits (B2) (R 13) (Riverin ns (B10) ter Table (C	n of two requ e) iverine) ne)
Depth (inch Remarks: HYDROLOG) Wetland Hydro Primary Indicato Surface Wa High Water Saturation ( Water Marks Sediment D Drift Deposit	Y logy Indicators: ors (minimum of or ter (A1) Table (A2) A3) s (B1) (Nonriverir eposits (B2) (Non	ne) riverine)	Salt Crust ( Biotic Crus Aquatic Inv Hydrogen S Oxidized R	(B11) t (B12) rertebrat Sulfide C hizosph of Reduc	Odor (C1 eres on l ed Iron (	) Living Ro (C4)	pots (C3)	Seconda Wat Sed Drift Dra Dry Cra	ary Indicator er Marks (B iment Depos t Deposits (E inage Patter	s (minimum 1) (Riverind sits (B2) (R 13) (Riverind ns (B10) ter Table (C s (C8)	e) iverine) ie) 22)
Depth (inch Remarks: HYDROLOG) Wetland Hydro Primary Indicato Surface Wa High Water Saturation ( Water Marks Sediment D Drift Deposit Surface Soil Inundation (	Y logy Indicators: rrs (minimum of or ter (A1) Table (A2) A3) s (B1) (Nonriverin eposits (B2) (Non ts (B3) (Nonriveri I Cracks (B6) /isible on Aerial In	ne) riverine) ne)	Salt Crust ( Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck	(B11) t (B12) rertebrat Sulfide C hizosph of Reduc n Reduc Surface	Odor (C1 eres on l ed Iron ( tion in Ti (C7)	) Living Ro (C4) Illed Soils	pots (C3)	Seconda Wat Sed Driff Dra Dry Cra Sat	ary Indicator er Marks (B iment Deposits t Deposits (E inage Patter -Season Wa yfish Burrow	s (minimum 1) (Riverin sits (B2) (R 3) (Riverin ns (B10) ter Table (C s (C8) le on Aerial	e) iverine) ie) 22)
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U.S. Army Corps of WETLAND DETERMINATION DATA See ERDC/EL TR-08-28; the propor	SHEET – Arid West Region	OMB Control #: 0710-0024, Exp: 06/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
Applicant/Owner: Investigator(s): Landform (hillside, terrace, etc.): Subregion (LRR): Soil Map Unit Name: OIAGLO - AYAR C Are climatic / hydrologic conditions on the site typical the Are Vegetation, Soil, or Hydrology Are Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS - Attach site m Hydrophytic Vegetation Present? Yes Y	Local relief (concave, conver- 82.449 Long:	State: A Sampling Point: nge: <u>3N IE 23</u> ex, none): <u>NIme</u> Slope (%): <u>9</u> <u>-121. 837 352</u> Datum: <u>NA019</u> 8 NWI classification: <u>8</u> NWI classification: <u>8</u> NWI classification: <u>8</u> NWI classification: <u>8</u> No_ (If no, explain in Remarks.) incumstances" present? Yes <u>No</u> plain any answers in Remarks.) reations, transects, important features, etc. ea
Wetland Hydrology Present? Yes X	No	withand hychology as well as by ! Secondly ponded soil.
VEGETATION – Use scientific names of	plants.	
Tree Stratum       (Plot size:)         1.	Total Cover	Dominance Test worksheet:         Number of Dominant Species That         Are OBL, FACW, or FAC:         Total Number of Dominant Species         Across All Strata:         Percent of Dominant Species That         Are OBL, FACW, or FAC:         Image: Dominant Species That         Are OBL, FACW, or FAC:
1. 2. 3. 4. 5. <u>Herb Stratum</u> (Plot size: <u>JogHt</u> ) 1. <u>CENTR-OMADIA PUNGENS</u> 2. <u>DISTICHLIS SPICATA</u> 3. <u>JOLUM PERENNE</u>	$\frac{25}{5} = \frac{7}{10} = \frac{7}{7}$	Prevalence Index worksheet:Total % Cover of:Multiply by:OBL speciesx 1 =FACW speciesx 2 =FAC speciesx 3 =FACU speciesx 4 =UPL speciesx 5 =Column Totals:(A)Prevalence Index = B/A =
4		Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is <3.0 <sup>1</sup> ' Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic
% Bare Ground in Herb Stratum 32 % %	Cover of Biotic Crust 376	Vegetation Present? Yes <u>No</u>
% Bare Ground in Herb Stratum 32 70 % Remarks: Centromodur prinzens SIP	pringene = FAC, C. par	nyi = FACW-> Both FAC.

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SOIL	Sampling Point: SP-1
Profile Description: (Describe to the depth needed to document the indicator or	
Depth Matrix Redox Features	
(inches) Color (moist) % Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
0-14 5YR 3/1 100	
	· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated S	Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) <b>(LRR C)</b>
Histic Epipedon (A2) Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Mineral (F1)	Iron-Manganese Masses (F12) (LRR D)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Reduced Vertic (F18)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	Red Parent Material (F21)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	Very Shallow Dark Surface (F22)
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	Other (Explain in Remarks)
Thick Dark Surface (A12) Redox Depressions (F8)	
Sandy Mucky Mineral (S1)	
	ydrology must be present, unless disturbed or problematic.
Restrictive Layer (if observed):	78
Type: CLAY	
Depth (inches):	Hydric Soil Present? Yes <u>No</u>
Remarks: Electrity developed wetland or seasonally porter	led Soil. Likely seasonally
11 Delat attact of all	
ponded doil and it restruction day layor	
. 0 1	
HYDROLOGY	
Wetland Hydrology Indicators:	Consider to disaters (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	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 on Living F	
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6) Recent Iron Reduction in Tilled So	
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 Depth (inches):	.   V
Saturation Present? Yes No 🔀 Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	ι
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe-	ctions), if available:
Remarks: Drote crust polygon shoped up characters	the upturned edges + darken
milars laures	I Ø
and a contract	

ote: his sampling point did not meet the three criteria and e data sheet was revised on 11/25/24 to indicate it not a wetland. See section 5.1 of the Aquatic	· W-10
sources Delineation Report for more detail. U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/EL TR-08-28; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 06/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
thregion (LRR):       C       Lat:       38.082532       Long:          III Map Unit Name:       TAMBA       MUCKY       CLAY       MURA       Ib         e climatic / hydrologic conditions on the site typical for this time of year?       Yes       Yes       Yes         e Vegetation       , Soil       , or Hydrology       significantly disturbed?       Are "Normal Cities"	State:       Gray State:
emarks: Strong undicators of Hydrophytic Vegetation & m and scape postion. Proflematic bydic ooil likel EGETATION - Use scientific names of plants.	vitland bydrology as well or y : seasonally ponded soil
ree Stratum       (Plot size:)       Absolute       Dominant       Indicator         % Cover       Species?       Status	Dominance Test worksheet:         Number of Dominant Species That         Are OBL, FACW, or FAC:         Total Number of Dominant Species         Across All Strata:         Percent of Dominant Species That         Are OBL, FACW, or FAC:
erb Stratum (Plot size: <u>5 Ag.F.T.</u> ) <u>Centro madia pungero</u> <u>Distichlis spicata</u> <u>Hovdeum sp.</u>	Prevalence Index worksheet:Total % Cover of:Multiply by:OBL speciesx 1 =FACW speciesx 2 =FAC speciesx 3 =FACU speciesx 4 =UPL speciesx 5 =Column Totals:(A)Prevalence Index = B/A =
	Hydrophytic Vegetation Indicators:         Dominance Test is >50%         Prevalence Index is ≤3.01         Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)         Problematic Hydrophytic Vegetation1 (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Bare Ground in Herb Stratum & Cover of Biotic Crust <u>Z</u> emarks: Horden public (FAC), marinum (FAC), m 2 minum but 10 features not present, plants dear	Hydrophytic Vegetation

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SOIL
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Sampling Point:	SP	-2

Drafile Deceri	ntion: (Decaribe to the depth	needed to document the indicator or	confirm the absence of indicators )
Depth	Matrix	Redox Features	
(inches)	Color (moist) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	- Texture Remarks
		5 YR 5/8 1 C PU	
0-5	2.01 12 11 0	THE THE THE	
5-14	2.5/ 4/2		
1			
		Reduced Matrix, CS=Covered or Coated	
		Rs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A		Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epip		Stripped Matrix (S6)	2 cm Muck (A10) (LRR B) Iron-Manganese Masses (F12) (LRR D)
Black Histi	. ,	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
	Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (F21)
	ayers (A5) (LRR C)	Depleted Matrix (F3) Redox Dark Surface (F6)	Very Shallow Dark Surface (F22)
	< (A9) <b>(LRR D)</b> Below Dark Surface (A11)	Depleted Dark Surface (F7)	$\sqrt{2}$ Other (Explain in Remarks)
·	Selow Dark Sunace (ATT)	Redox Depressions (F8)	
	cky Mineral (S1)		
		of hydrophytic vegetation and wetland h	nydrology must be present, unless disturbed or problematic.
	yer (if observed):		
Type:	CLAY	-	Hydric Soil Present? Yes No
Depth (inc			
Remarks: MØ	us be a recently	developed wetland or is	ia seasonally pended son).
COLOR A DEC	seasonally words	I all due to retrice	twe class brugs hundered
an and	Access of house	developed wetland or is a sold due to restric ny 'downhill' along	NHO 00- Quine Proton
bosiner	annound scope	ng around any	service from the service of the serv
HYDROLOG	iY	×	
	ology Indicators:		
-	tors (minimum of one is require	d: check all that apply)	Secondary Indicators (minimum of two require
Surface W		Salt Crust (B11)	Water Marks (B1) (Riverine)
— <u> </u>	r Table (A2)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation	• •	Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
— <b>—</b>	ks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
	Deposits (B2) (Nonriverine)	Oxidized Rhizospheres on Living F	Roots (C3) Dry-Season Water Table (C2)
	sits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
K Surface So	oil Cracks (B6)	Recent Iron Reduction in Tilled So	ils (C6) Saturation Visible on Aerial Imagery (C9)
Inundation	Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stai	ined Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observa	tions:	1	
		No _ X_ Depth (inches):	
Field Observa	Present? Yes	No         X         Depth (inches):           No         X         Depth (inches):	
Field Observa Surface Water	Present? Yes resent? Yes		Wetland Hydrology Present? Yes No
Field Observa Surface Water Water Table Pr Saturation Pres (includes capill	Present? Yes resent? Yes sent? Yes ary fringe)	No X Depth (inches): No X Depth (inches):	/
Field Observa Surface Water Water Table Pr Saturation Pres (includes capill	Present? Yes resent? Yes sent? Yes ary fringe)	No Depth (inches):	/
Field Observa Surface Water Water Table Pr Saturation Pres (includes capill Describe Reco	Present? Yes resent? Yes sent? Yes ary fringe) rded Data (stream gauge, mon	No Depth (inches): No Depth (inches): toring well, aerial photos, previous inspe	ctions), if available:
Field Observa Surface Water Water Table Pr Saturation Pres (includes capill Describe Reco	Present? Yes resent? Yes sent? Yes ary fringe) rded Data (stream gauge, mon	No Depth (inches): No Depth (inches): toring well, aerial photos, previous inspe	ctions), if available:
Field Observa Surface Water Water Table Pr Saturation Pres (includes capill Describe Reco	Present? Yes resent? Yes sent? Yes ary fringe) rded Data (stream gauge, mon	No Depth (inches): No Depth (inches): toring well, aerial photos, previous inspe	ctions), if available:
Field Observa Surface Water Water Table Pr Saturation Pres (includes capill Describe Reco	Present? Yes resent? Yes sent? Yes ary fringe) rded Data (stream gauge, mon	No Depth (inches): No Depth (inches): toring well, aerial photos, previous inspe	/

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/EL TR-08-28; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 06/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
Applicant/Owner:       15 POWER         Investigator(s):       5 WEUS + C./. RoRIGUEZ       Section, Township, Rar         Landform (hillside, terrace, etc.):       Rest       Local relief (concave, conve         Subregion (LRR):       C       Lat:       38,082512       Long:         Soil Map Unit Name:       TAMSA MUCK / CLAY, MURA 16         Are climatic / hydrologic conditions on the site typical for this time of year?       Yes       X         Are Vegetation       , Soil       , or Hydrology       significantly disturbed?       Are "Normal Ci	x, none): NONE Slope (%): 121. 838496 Datum: NWI classification: RIVERINE No (If no, explain in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point loc	ations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Are within a Wetland?         Hydric Soil Present?       Yes       No       No       within a Wetland?         Wetland Hydrology Present?       Yes       No       No       within a Wetland?         Remarks:       STROM       inductors       of       Hydrophythic Vegetation of your soil light         Ag landscope       position.       profilematic       hydric Soil light	Yes X No X 11/25/24
VEGETATION – Use scientific names of plants.	
Image: Indicator Species?       Image: Indicator Status         1.	Dominance Test worksheet:Number of Dominant Species That Are OBL, FACW, or FAC:/ (A)Total Number of Dominant Species Across All Strata:/ (B)Percent of Dominant Species That Are OBL, FACW, or FAC:/ $OO 7_{O}(A/B)$ Prevalence Index worksheet: Total % Cover of:Multiply by:OBL speciesx 1 = X 2 = FACW species/ (B)FACW speciesx 2 = X 3 = (C)(B)FACU speciesx 4 = (B)(B)Prevalence Index = B/A =(B)
5	Hydrophytic Vegetation Indicators:         ✓ Dominance Test is >50%         Prevalence Index is ≤3.01         Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)         Problematic Hydrophytic Vegetation1 (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Hydrophytic         Vegetation         Present?       Yes         No
	Arid West Version 2.0

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Profile Descr	iption: (Describe	to the de				tor or c	onfirm the absence o	of indicators.)
Depth	Matrix			x Featu		. 2		
(inches)	Color (moist)	%	Color (moist)	_%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16.5	7.5YR 3/1	99	54R 4/6		G	Μ	CLAY	
					_	_		
				_				
			A=Reduced Matrix, C			oated Sa		ation: PL=Pore Lining, M=Matrix.
Histosol (, Histic Epi Black Hist Hydrogen Stratified 1 cm Muc Depleted Thick Dar	A1) bedon (A2) tic (A3) Sulfide (A4) Layers (A5) <b>(LRR C</b> k (A9) <b>(LRR D)</b> Below Dark Surface k Surface (A12)	;)	Sandy Red Stripped M Loamy Mu Loamy Gle Depleted M Redox Da Redox Da	dox (S5) latrix (S locky Min eyed Ma eyed Ma Matrix (F rk Surfae Dark Sur	6) eral (F1) trix (F2) 3) ce (F6) face (F7)		2 cm Iron-I Redu Red Very	Muck (A9) <b>(LRR C)</b> Muck (A10) <b>(LRR B)</b> Manganese Masses (F12) <b>(LRR D)</b> Iced Vertic (F18) Parent Material (F21) Shallow Dark Surface (F22) r (Explain in Remarks)
	icky Mineral (S1) eyed Matrix (S4)	<sup>3</sup> Indica	tors of hydrophytic v	egetatio	n and we	tland hy	drology must be prese	ent, unless disturbed or problematic.
Restrictive La Type: Depth (ind	ayer (if observed): $C \not A \not /$ ches):O ~	16.5					Hydric Soil Present	:? Yes No 🗡
Soils my Seemonto four be	faint or n m happenin	no sin ng fo	licators ! !	perintl Jease	y Der nally	Pone	d wetland ded Soil, I due to restru	n ihely seasonably pond two day loyer.
YDROLOG	6Y		V					
Primary Indica Surface W High Wate Saturatior Water Ma Sediment Drift Depo Surface S Inundation	/ater (A1) er Table (A2)	ne) nriverine ine)	Presence Recent Iro	(B11) st (B12) vertebra Sulfide ( Rhizosph of Reduc n Reduc Surface	Odor (C1 neres on I ced Iron ( ction in Ti e (C7)	) _iving Ro C4)	Wate Sedin Drift Drain Doots (C3) Cray s (C6) Shall	ry Indicators (minimum of two require r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Field Observa Surface Water Water Table F Saturation Pre (includes capi Describe Reco	Present? Ye Present? Ye psent? Ye Plary fringe)	s	No	Depth (i Depth (i	nches): _ nches): _ nches): _ , previous		Wetland Hydrolog	gy Present? Yes <u> </u>
Remarks: U	located in	NW	1 riverine soline sur	y.	Hard	1 bit	the out on	st pon evaporation Salicomia pocificio

1-10

ote: his sampling point did not meet the three criteria and le data sheet was revised on 11/25/24 to indicate it not a wetland. See section 5.1 of the Aquatic Secources Delineation Report for more detail.	M – Arid West Region
	ISUNCITY/SULANO Sampling Date: 6-26-24
pplicant/Owner: US POWEN	State: CA Sampling Point: SP-CA
vestigator(s): CY ROVRIGNEZ + S. WELLS Section, Township	Range: 23 JAN IE
andform (hillslope, terrace, etc.):	ve, convex, none): NUNE Slope (%):
ubregion (LRR):C	7817
nil Map Unit Name: TAMBA MULKY CLAY	NWI classification:
e climatic / hydrologic conditions on the site typical for this time of year? Yes I	
e vogetation, een, et tij tietegij eg	Are "Normal Circumstances" present? Yes No No
e Vegetation, Soil, or Hydrology naturally problematic?	If needed, explain any answers in Remarks.)
UMMARY OF FINDINGS – Attach site map showing sampling poi	nt locations, transects, important features, etc.
Hydrophytic Vegetation Present?     Yes     No     Is the Sam       Hydric Soil Present?     Yes     No     within a W	weighter V VV - Olde Set
Wetland Hydrology Present?     Yes No	
Remarks: Strong indicator of nychophytic versetation	n & lifely a willand personally
adding indicatory of willound and and to	IRY SEASON Proflematic bydric Soil
easonably ponded soil. Landorape position, vicinity to	other willando organita as will as
EGETATION – Use scientific names of plants.	aeur imagni.
Absolute Dominant Indica	
ree Stratum (Plot size:) <u>% Cover Species?</u> Statu	Ise         Number of Dominant Species           That Are OBL, FACW, or FAC:
·  · ·  .  .  .	Total Number of Dominant  Species Across All Strata:  (B)
Sapling/Shrub Stratum (Plot size:)	Percent of Dominant Species That Are OBL, FACW, or FAC:
1	Prevalence Index worksheet:
2	Total % Cover of: Multiply by:
	OBL species x 1 = FACW species x 2 =
	FAC w species x 2 FAC species x 3 =
	FAC species x 4 =
lerb Stratum (Plot size: SAT. M.)	LIPL species x 5 =
Distictlis spirator 05 T T	Column Totals: (A) (B)
Frankenia salina I N FAC	
Hordenn Marinum 90 Y FA	
Lolivm perevine N_FA	Hydrophytic Vegetation Indicators:     Dominance Test is >50%
	Prevalence Index is ≤3.0 <sup>1</sup>
· ·	Morphological Adaptations <sup>1</sup> (Provide supporting
	data in Remarks or on a separate sheet)
2 = Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum         (Plot size:)	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Hydrophytic Vegetation Present? Yes No
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Present res No
Remarks: Hordern matin was very dry and inflores conce was Species identified through familiarity; also possiv Ityplysp. next to seen to be since of W-20 - sold on	By Hordern Munut
thiplexsp. next to over to be sinch of W-20 sold in	Letters +

US Army Corps of Engineers

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	ription: (Describe	to the dep	th needed to do	cument the	indicator	or confirm	the absence o	f indicators.)	
Depth	Matrix			edox Feature	4	Loc <sup>2</sup>	Texture	Remarks	
(inches)	Color (moist)	<u>%</u>	Color (moist)		_ <u>_ Type'</u>	LOC			
0-0.5	5Y 3/1	41	OVR 5/			M	<u> </u>		
3.5-10	2.54 3/2	100					<u></u>		
10-12	10 YR 4/2	100				·	SaCL		
	2 CN UIA								
12-15	2.5/12	100					GIA		
	oncentration, D=Dep					ed Sand Gr		tion: PL=Pore Lining, M	
Hydric Soil I	ndicators: (Applic	able to all	LRRs, unless o	therwise no	ted.)		Indicators for	or Problematic Hydric S	Soils <sup>3</sup> :
Histosol	(A1)			Redox (S5)				ck (A9) (LRR C)	
	ipedon (A2)			Matrix (S6)				ick (A10) ( <b>LRR B</b> )	
Black His				Mucky Miner				I Vertic (F18) ent Material (TF2)	-10 10
	n Sulfide (A4)   Layers (A5) ( <b>LRR (</b>			Gleyed Matri d Matrix (F3)	1 AN	udex, 1	V Other (E	xplain in Remarks)	1.
_	ck (A9) (LRR D)	(0)	Redox [			mention		Apiain in Romanoy	1.
	Below Dark Surfac	e (A11)	Deplete		- C				12 11
Thick Da	rk Surface (A12)		Redox [			10 vola	<sup>3</sup> Indicators of	hydrophytic vegetation	and
Sandy M	ucky Mineral (S1)	A Caller	Vernal F		1.12	. 7	wetland hy	drology must be presen	t,
Sandy G	leyed Matrix (S4)	e. 1	)				unless dist	turbed or problematic.	
Type: Depth (inc Remarks:	nhes): <u>D-1</u>					a tra		resent? Yes	No _X
Depth (inc			mdud oril	due ?	to rest	metre			No <u>X</u>
Depth (inc	hely prasono		nded soil	t due ?	to rest	metere			No <u>X</u>
Depth (inc Remarks:	hely prasono	lly po		t due t	to rest	metere			No <u>X</u>
Depth (inc Remarks: 4 HYDROLO Wetland Hyc	thes): <u>D-11</u> July orarona GY	lly po			to rest	metere	clay la		
Depth (inc Remarks:	thes): <u>D-1</u> hely & arono GY Irology Indicators:	lly po	l; check all that a		to rest	meture	clay la	yn.	required)
Depth (inc Remarks:	thes): <u>D-1</u> huly Arasono GY frology Indicators: ators (minimum of c	lly po	i; check all that a Salt Cr		to nest	metire	clay la	ary Indicators (2 or more	<u>required)</u>
Depth (inc Remarks:	Trology Indicators: Mater (A1) ter Table (A2)	lly po	<u>l; check all that a</u> Salt Cr Salt Cr Biotic (	ust (B11)	5	nuture	Second Wa Sec	ary Indicators (2 or more ter Marks (B1) (Riverine	required) e) verine)
Depth (inc Remarks: HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio	Trology Indicators: Mater (A1) ter Table (A2)	Wy po	<u>i: check all that a</u> Salt Cr Biotic ( Aquati	ust (B11) Crust (B12)	es (B13)	metere	Second Wa Sec Drif	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri	required) e) verine)
Depth (inc Remarks: HYDROLOO Wetland Hyd Primary Indic Surface M High Wa' Saturatio Water Ma	GY Irology Indicators: ators (minimum of c Water (A1) ter Table (A2) on (A3)	Wy fo	l: check all that a Salt Cr Biotic ( Aquation Hydrog	upply) ust (B11) Crust (B12) c Invertebrat	es (B13) Ddor (C1)		<u>Second</u> Wa Sec Drif Dra ots (C3) Dry	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C	e required) e) verine) e)
Depth (inc Remarks: HYDROLO Wetland Hyc Primary Indic Surface V High Wa' Saturatio Water Ma Sedimen	CHES): <u>O - 1</u> CHESSING CONTRACTOR CHESSING CONTR	ine)	l; check all that a Salt Cr Biotic C Aquatio Hydrog Oxidize Preser	ust (B11) Crust (B12) Crust (B12) Chvertebrat gen Sulfide C ed Rhizosph ace of Reduc	es (B13) Ddor (C1) eres along ed Iron (C4	Living Roo 4)	Second Second Wa Sec Drif Drif Cra	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C tyfish Burrows (C8)	required) e) verine) e) 2)
Depth (inc Remarks: HYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Surface S	Thes): The second	ine) nriverine)	I: check all that a Salt Cr Biotic ( Aquational Hydrog Oxidize Preser Recent	upply) ust (B11) Crust (B12) c Invertebrate gen Sulfide C ed Rhizosphe ice of Reduct t Iron Reduct	es (B13) Ddor (C1) eres along ed Iron (C4	Living Roo 4)	Second Wa Sec Drif Dra tis (C3) Dry Cra 5) Sat	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial	required) e) verine) e) 2)
Depth (inc Remarks: <b>HYDROLOO</b> Wetland Hyc Primary Indic Surface V High War Saturatio Water Ma Sedimen Drift Dep Surface S Inundatio	Contemporation of the second s	ine) nriverine)	t: check all that a Salt Cr Biotic C Aquation Hydrog Oxidize Preser Recenn 7) Thin M	upply) ust (B11) Crust (B12) c Invertebrati gen Sulfide C ed Rhizosphe ice of Reduct t Iron Reduct uck Surface	es (B13) Door (C1) eres along ed Iron (C4 tion in Tille (C7)	Living Roo 4)	Second	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial allow Aquitard (D3)	required) e) verine) e) 2)
Depth (inc Remarks: HYDROLOO Wetland Hyd Primary Indic Surface V High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St	Thes):	ine) nriverine)	t: check all that a Salt Cr Biotic C Aquation Hydrog Oxidize Preser Recenn 7) Thin M	upply) ust (B11) Crust (B12) c Invertebrate gen Sulfide C ed Rhizosphe ice of Reduct t Iron Reduct	es (B13) Door (C1) eres along ed Iron (C4 tion in Tille (C7)	Living Roo 4)	Second	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial	required) e) verine) e) 2)
Depth (inc Remarks: HYDROLOO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St Field Observ	thes): Trology Indicators: ators (minimum of of Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver t Deposits (B2) (No osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I ained Leaves (B9) wations:	ine) nriverine) rine) magery (B7	t; check all that a Salt Cr Biotic ( Aquational Hydrogonal Oxidized Preser Recent Thin Mail Other (	upply) ust (B11) Crust (B12) c Invertebrat gen Sulfide C ed Rhizosphi ice of Reduc t Iron Reduc uck Surface Explain in R	es (B13) Door (C1) eres along ed Iron (C4 tion in Tille (C7)	Living Roo 4)	Clay la     Second     Va     Sec     Drif     Dra     Cra     Sha     FAc	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial allow Aquitard (D3) C-Neutral Test (D5)	e required) e) verine) e) :2) Imagery (C9)
Depth (inc Remarks: HYDROLOO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St Field Observ Surface Water	thes): Control of the second secon	ine) nriverine) rine) magery (B7	t: check all that a Salt Cr Biotic C Aquatic Hydrog Oxidize Preser Recent Thin M Other (	upply) ust (B11) Crust (B12) c Invertebrati gen Sulfide C ed Rhizosphe ice of Reduct t Iron Reduct uck Surface (Explain in R (inches):	es (B13) Door (C1) eres along ed Iron (C4 tion in Tille (C7)	Living Roo 4)	Clay la     Second     Va     Sec     Drif     Dra     Cra     Sha     FAc	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial allow Aquitard (D3)	e required) e) verine) e) :2) Imagery (C9)
Depth (inc Remarks: HYDROLOO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St Field Observ	thes): Control of the second secon	ine) nriverine) rine) magery (B7	t: check all that a Salt Cr Biotic C Aquation	upply) ust (B11) Crust (B12) c Invertebrat gen Sulfide C ed Rhizospho ace of Reduct t Iron Reduct uck Surface Explain in R (inches):	es (B13) Door (C1) eres along ed Iron (C4 tion in Tille (C7)	Living Roo 4) d Soils (C6	Second     Second     Second     Wa     Sec     Drif     Dra     Sec     Sec     Drif     Sec     Sec	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial allow Aquitard (D3) C-Neutral Test (D5)	e required) e) verine) e) :2) Imagery (C9)
Depth (inc Remarks: <b>HYDROLOO</b> Wetland Hyc Primary Indic Surface V High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St Field Observ Surface Water Surface Nater Surface Primary Indic	GY         Irology Indicators:         ators (minimum of c         Water (A1)         ter Table (A2)         on (A3)         arks (B1) (Nonriver         t Deposits (B2) (No         osits (B3) (Nonriver         Soil Cracks (B6)         on Visible on Aerial I         ained Leaves (B9)         rations:         er Present?       Y         Present?       Y         esent?       Y	ine) nriverine) rine) magery (B7	t: check all that a Salt Cr Biotic C Aquation	upply) ust (B11) Crust (B12) c Invertebrati gen Sulfide C ed Rhizosphe ice of Reduct t Iron Reduct uck Surface (Explain in R (inches):	es (B13) Door (C1) eres along ed Iron (C4 tion in Tille (C7)	Living Roo 4) d Soils (C6	Second     Second     Second     Wa     Sec     Drif     Dra     Sec     Sec     Drif     Sec     Sec	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial allow Aquitard (D3) C-Neutral Test (D5)	e required) e) verine) e) :2) Imagery (C9)
Depth (inc Remarks: <b>HYDROLOO</b> Wetland Hyc Primary Indic Surface V High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St Field Observ Surface Water Saturation Pr (includes cap	Content of the second state of the second stat	ine) nriverine) rine) (	I: check all that a Salt Cr Biotic C Aquatic Hydrog Oxidiza Preser Recent Thin M Other ( No Depth No Depth	upply) ust (B11) Crust (B12) c Invertebrat gen Sulfide C ed Rhizosphe ice of Reduct t Iron Reduct uck Surface Explain in R (inches):	es (B13) Ddor (C1) eres along ed Iron (C4 tion in Tiller (C7) emarks)	Living Roo 4) d Soils (C6	Second Second Wa Sec Drif Dra ots (C3) Dry Cra Sha FAC Sha FAC	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial allow Aquitard (D3) C-Neutral Test (D5)	e required) e) verine) e) :2) Imagery (C9)
Depth (inc Remarks: <b>HYDROLOO</b> Wetland Hyc Primary Indic Surface V High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St Field Observ Surface Water Saturation Pr (includes cap	GY         Irology Indicators:         ators (minimum of c         Water (A1)         ter Table (A2)         on (A3)         arks (B1) (Nonriver         t Deposits (B2) (No         osits (B3) (Nonriver         Soil Cracks (B6)         on Visible on Aerial I         ained Leaves (B9)         rations:         er Present?       Y         Present?       Y         esent?       Y	ine) nriverine) rine) (	I: check all that a Salt Cr Biotic C Aquatic Hydrog Oxidiza Preser Recent Thin M Other ( No Depth No Depth	upply) ust (B11) Crust (B12) c Invertebrat gen Sulfide C ed Rhizosphe ice of Reduct t Iron Reduct uck Surface Explain in R (inches):	es (B13) Ddor (C1) eres along ed Iron (C4 tion in Tiller (C7) emarks)	Living Roo 4) d Soils (C6	Second Second Wa Sec Drif Dra ots (C3) Dry Cra Sha FAC Sha FAC	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial allow Aquitard (D3) C-Neutral Test (D5)	e required) e) verine) e) :2) Imagery (C9)
Depth (inc Remarks: <b>HYDROLOO</b> Wetland Hyd Primary Indic Surface M High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Field Observ Surface Water Water Table I Saturation Pr (includes cap Describe Rec	GY         Irology Indicators:         ators (minimum of c         Water (A1)         ter Table (A2)         on (A3)         arks (B1) (Nonriver         t Deposits (B2) (No         osits (B3) (Nonriver         Soil Cracks (B6)         on Visible on Aerial I         sained Leaves (B9)         vations:         er Present?       Y         Present?       Y         esent?       Y         illary fringe)       corded Data (stream	ine) nriverine) rine) rine) res f res f res f	I; check all that a	upply) ust (B11) Crust (B12) c Invertebrat gen Sulfide C ed Rhizosphi ice of Reduct t Iron Reduct uck Surface (Explain in R (inches):	es (B13) Odor (C1) eres along ed Iron (C4 tion in Tille (C7) emarks) revious ins	Living Roo 4) d Soils (C6	Second     Second     Sec     Drif     Sec     Drif     Sec     Drif     Sec     Drif     Sec     Drif     Sec     FAC     Sha     FAC     Sha     Sha	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial allow Aquitard (D3) C-Neutral Test (D5) BIL mot stra ICATORS , Present? Yes	required) e) verine) e) :2) Imagery (C9) No
Depth (inc Remarks: <b>HYDROLOO</b> Wetland Hyd Primary Indic Surface M High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Field Observ Surface Water Water Table I Saturation Pr (includes cap Describe Rec	GY         Irology Indicators:         ators (minimum of c         Water (A1)         ter Table (A2)         on (A3)         arks (B1) (Nonriver         t Deposits (B2) (No         osits (B3) (Nonriver         Soil Cracks (B6)         on Visible on Aerial I         sained Leaves (B9)         vations:         er Present?       Y         Present?       Y         esent?       Y         illary fringe)       corded Data (stream	ine) nriverine) rine) rine) res f res f res f	I: check all that a	upply) ust (B11) Crust (B12) c Invertebrat gen Sulfide C ed Rhizosphi ice of Reduct t Iron Reduct uck Surface (Explain in R (inches):	es (B13) Ddor (C1) eres along ed Iron (C4 tion in Tille (C7) emarks) revious ins	Living Roo 4) d Soils (C6 	Second Second Wa Sec Orif Orifs (C3) Ory Cra ots (C3) Ory FAC and Hydrology if available:	ary Indicators (2 or more ter Marks (B1) (Riverine diment Deposits (B2) (Ri t Deposits (B3) (Riverin inage Patterns (B10) -Season Water Table (C syfish Burrows (C8) uration Visible on Aerial allow Aquitard (D3) C-Neutral Test (D5) BII mot Star Present? Yes	required) e) verine) e) 2) Imagery (C9) No X

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		~!
te: s sampling point did not meet the three criteria and data sheet was revised on 11/25/24 to indicate it		11219
ot a wetland. See section 5.1 of the Aquatic WETLAND DETE sources Delineation Report for more detail.		
oject/Site: CALIN SY I ILA	City/County:	in City/Solans Sampling Date: 6-26-2
plicant/Owner: <u>VS YOWW</u>		State: <u>CA</u> Sampling Point: <u>SP-5</u>
	Rection, Township, R	Range: 3N IE 23
ndform (hillslope, terrace, etc.):	Local relief (concave	a, convex, none): Slope (%):
bregion (LRR):	Lat: 38.082511	Long: -121. 838500 Datum: NAD 1"
il Map Unit Name: TAMBA MUCKY CU	AY MURA16	NWI classification: RIVERINE
e climatic / hydrologic conditions on the site typical for t	his time of year? Yes 🖉 No	(If no, explain in Remarks.)
e Vegetation, Soil, or Hydrology	significantly disturbed? Are	e "Normal Circumstances" present? Yes No
e Vegetation, Soil, or Hydrology	naturally problematic? (If	needed, explain any answers in Remarks.)
,		locations, transects, important features, etc
ydrophytic Vegetation Present? Yes	No la the Semple	sW
	No Is the Sample within a Weth	V VASPLA
,	No 34	
Remarks: Strong indicators of high	nophytic vegetation	and withand hydrology as
well as londscape porten.	Proflematic engl	in soil likely: scaponally
• I I .	ponded soil.	$\int$ 0.
GETATION – Use scientific names of pla	ints.	
	Absolute Dominant Indicator	Dominance Test worksheet:
ee Stratum (Plot size:)	<u>% Cover Species? Status</u>	- Number of Dominant Species
<u>.</u>		That Are OBL, FACW, or FAC: (A)
		Total Number of Dominant Species Across All Strata:
	- <u></u>	
	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
apling/Shrub Stratum (Plot size:)		
		_ Prevalence Index worksheet: Total % Cover of: Multiply by:
· · · ·		OBL species         x1 =
		FACW species x 2 =
		-
	$\sim$	FAC species x 3 =
	= Total Cover	FAC species         x 3 =           FACU species         x 4 =
erb Stratum (Plot size: 558,FT, )		FACU species         x 4 =           UPL species         x 5 =
Vistichlis spicata	T Y FAC	FACU species       x 4 =         UPL species       x 5 =         Olumn Totals:       (A)
Disticulis spicata		FACU species       x 4 =         UPL species       x 5 =         Column Totals:       (A)         (B)
Bilypogon monospeliensis	T Y FAC	FACU species       x 4 =         UPL species       x 5 =         Olumn Totals:       (A)
Bilypogon monospeliensis	- 7 Y FAC 5 Y FAC	FACU species       x 4 =         UPL species       x 5 =         Column Totals:       (A)         Prevalence Index = B/A =
Bistichlis spirata Bilypogon minispeliensis	7 Y FAC	FACU species       x 4 =
Bilypogen monospoliensis	Y FAC 	FACU species $x 4 =$ UPL species $x 5 =$ Column Totals:       (A)         Prevalence Index = B/A =         Hydrophytic Vegetation Indicators:         Dominance Test is >50%         Prevalence Index is <3.01
Pistichlis spirata Pollypogen minispeliensis	Y FAC	FACU species       x 4 =         UPL species       x 5 =         Column Totals:       (A)         Prevalence Index = B/A =         Hydrophytic Vegetation Indicators:         Dominance Test is >50%         Prevalence Index is <3.01
Blypogan monospoliensis	Y FAC	FACU species $x 4 =$ UPL species $x 5 =$ Column Totals:       (A)         Prevalence Index = B/A =         Hydrophytic Vegetation Indicators:         Dominance Test is >50%         Prevalence Index is <3.01
Noody Vine Stratum (Plot size:)	7 N FAC	FACU species       x 4 =         UPL species       x 5 =         Column Totals:       (A)         Prevalence Index = B/A =         Hydrophytic Vegetation Indicators:         Dominance Test is >50%         Prevalence Index is ≤3.01         Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)         Problematic Hydrophytic Vegetation1 (Explain)         1         Indicators of hydric soil and wetland hydrology must
Noody Vine Stratum (Plot size:)	7 N FAC	FACU species       x 4 =         UPL species       x 5 =         Column Totals:       (A)         Prevalence Index = B/A =         Hydrophytic Vegetation Indicators:         Dominance Test is >50%         Prevalence Index is ≤3.01         Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)         Problematic Hydrophytic Vegetation1 (Explain)
Ierb Stratum (Plot size:)	7 N FAC	FACU species       x 4 =         UPL species       x 5 =         Column Totals:       (A)         Prevalence Index = B/A =         Hydrophytic Vegetation Indicators:         Dominance Test is >50%         Prevalence Index is ≤3.01         Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)         Problematic Hydrophytic Vegetation1 (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Hydrophytic
Voody Vine Stratum (Plot size:)	Total Cover	FACU species       x 4 =         UPL species       x 5 =         Column Totals:       (A)         Prevalence Index = B/A =         Hydrophytic Vegetation Indicators:         Dominance Test is >50%         Prevalence Index is ≤3.01         Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)         Problematic Hydrophytic Vegetation1 (Explain)         1         Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Hydrophytic         Vogetation
Voody Vine Stratum (Plot size:)	<u><u><u></u></u><u><u></u><u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u>	FACU species       x 4 =         UPL species       x 5 =         Column Totals:       (A)         Prevalence Index = B/A =         Hydrophytic Vegetation Indicators:         Dominance Test is >50%         Prevalence Index is ≤3.01         Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)         Problematic Hydrophytic Vegetation1 (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Hydrophytic

	0							(1) (B)	
								0-1	1
SOIL								Sampling Point: <u>SP-5</u>	-
Profile Desc	cription: (Describe t	o the depth	needed to docum	ent the indic	ator or o	confirm	the absence	of indicators.)	
Depth	Matrix	0/		Features	rpe <sup>1</sup> L		Texture	Remarks	
(inches)	Color (moist)		Color (moist)	%Ту	pe	<u>_0c</u>	Texture	Remarks	
0-10	7.543/1	100 -		<u></u>			Clan		
							0000		
10-15.2	5 10YR32	00		·			Clay	Slight Dorizon of sand	
·		5 <b></b>							
. <u></u>									_
	oncentration, D=Depl				Coated S	and Gra		cation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils <sup>3</sup> :	
	Indicators: (Applica	idle to all Li						Auck (A9) (LRR C)	
Histosol	(A1) bipedon (A2)		Sandy Redo Stripped Mate					Auck (A3) (LRR B)	
Black Hi			Loamy Muck	• •	)			ed Vertic (F18)	
	en Sulfide (A4)		Loamy Gleye					arent Material (TF2)	
	d Layers (A5) (LRR C	)	Depleted Ma				X Other	(Explain in Remarks)	
1 cm Mu	ıck (A9) ( <b>LRR D</b> )		Redox Dark	Surface (F6)			/ .		
	Below Dark Surface	e (A11)	· · ·	rk Surface (F	7)		a		
	ark Surface (A12)		Redox Depre					of hydrophytic vegetation and	
	lucky Mineral (S1)		Vernal Pools	(F9)				hydrology must be present, isturbed or problematic.	
	Bleyed Matrix (S4)							laturbed of problematic.	
	CLAY								
	ches): 0-19	.25					Hydric Soil	Present? Yes No X	
Remarks:									
Remarks.	Likely season	ally M	nded soil	due to	restr	uch	re Jay	1 layer.	
	our and a contraction	01						1 0	
HYDROLO	GY								
	drology Indicators:								
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ators (minimum of or	ne required:	check all that apply	)			Seco	ndary Indicators (2 or more required)	{
	Water (A1)	io roquitour.	Salt Crust (					Vater Marks (B1) (Riverine)	
	iter Table (A2)		Biotic Crust					ediment Deposits (B2) (Riverine)	
Saturatio				ertebrates (B	13)			Prift Deposits (B3) ( <b>Riverine</b> )	
	arks (B1) ( <b>Nonriveri</b> i	ne)	Hydrogen S					prainage Patterns (B10)	
	nt Deposits (B2) (Non		Oxidized RI			na Root		ry-Season Water Table (C2)	
	oosits (B3) ( <b>Nonriver</b> i	-		f Reduced Iro		Û		Crayfish Burrows (C8)	
	Soil Cracks (B6)	,		Reduction in		oils (C6		aturation Visible on Aerial Imagery (	C9)
	on Visible on Aerial In	nagery (B7)		Surface (C7)				hallow Aquitard (D3)	
	tained Leaves (B9)			ain in Remarl	(s)			AC-Neutral Test (D5)	
Field Observ				54					
Surface Wate	er Present? Ye	sN	Depth (inc	hes):()	Ŕ.			1	
Water Table		s No	$\overline{\mathbf{x}}$	2				$\checkmark$	
Saturation Pr		s No			l	Wetla	and Hydrolog	v Present? Yes No	
(includes cap	oillary fringe)	· · · · ·						,	
Describe Red	corded Data (stream	gauge, moni	toring well, aerial p	hotos, previou	is inspec	tions), i	if available:		
Remarket				- i	. 1 1	-		1	7.C
Remarks:	protec court i fure layer	s Kolyg	n boud ~	s chance solt cm	ating	ti -	wapn	d edgest darken ation of soline	
Su	file water.	NWI	Rivenne					-	

Note: This sampling point did not meet the three criteria and the data sheet was revised on 11/25/24 to indicate it is not a wetland. See section 5.1 of the Aquatic Resources Delineation Report for more detail.	ATION DATA FORM – Arid West Region	w-19
Project/Site:	City/County: City/Soland Sampling Date:	
Applicant/Owner: US PUWEr	State: <u>CA</u> Sampling Point:	sp-6
Investigator(s): Sidvley Wells, Christing Rodriguez	E_ Section, Township, Range: <u>3N IE 23</u>	
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):SI	ope (%):
	: 38.082528 Long: -121.838312 Dat	
Soil Map Unit Name: TAMBA MUCKY CLAY, M	ALRA 16 NWI classification:	5
Are climatic / hydrologic conditions on the site typical for this time of	of year? Yes 🔀 No (If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology significant	antly disturbed? Are "Normal Circumstances" present? Yes	No
Are Vegetation, Soil, or Hydrology naturally p		
SUMMARY OF FINDINGS – Attach site map showin	ving sampling point locations, transects, important f	eatures, etc.
Hydrophytic Vegetation Present?       Yes       No         Hydric Soil Present?       Yes       No         Wetland Hydrology Present?       Yes       No	Is the Sampled Area within a Wetland? Yes <u>Yes</u> No <u>X</u>	SW 11/25/24

Wetland Hydrology Present?
Remarks:

### VEGETATION – Use scientific names of plants.

	Absolute	Dominant Indicator	Dominance Test worksheet:			
Tree Stratum         (Plot size:)           1)		Species? Status	Number of Dominant Species ( That Are OBL, FACW, or FAC: (A)			
2			Total Number of Dominant Species Across All Strata: (B)			
4	0	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:OO (A/B)			
1		·	Prevalence Index worksheet:			
2			Total % Cover of:Multiply by:			
3			OBL species x 1 =			
4			FACW species x 2 =			
5			FAC species x 3 =			
	0	= Total Cover	FACU species x 4 =			
Herb Stratum (Plot size: 354.44.)		10 2020	UPL species x 5 =			
1. RUMEN CHISPUS	_15_	N FAC	Column Totals: (A) (B)			
2. Distichlis spicata	80	Y FAC				
3. Brassica nigra	5	_H	Prevalence Index = B/A =			
4. Lepiaium latifollum	1	N FAC	Hydrophytic Vegetation Indicators:			
5	·······		Dominance Test is >50%			
6			Prevalence Index is ≤3.0 <sup>1</sup>			
7			Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
8			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
	101	= Total Cover				
Woody Vine Stratum (Plot size:)			<sup>1</sup> Indicators of hydric soil and wetland hydrology must			
1			be present, unless disturbed or problematic.			
2						
	0	= Total Cover	Hydrophytic Vegetation			
% Bare Ground in Herb Stratum % Cover	of Biotic C	rust0	Present? Yes No			
Remarks: Ristichlie spirata cover is largely dead, approximately 5 % Absolute cover seems alive. The dead forms a sort of very mat going it the east direction which						
seems alive, she dead forms a sort of ving most going is the east direction which						
wild be due to wing based on	June	what here a	podrulo.			

US Army Corps of Engineers

											W-1
SOIL									S	ampling Point: S	2-6
	ription: (Describ	- 4 - 41 - a - d - u	41	d to de ours	ant tha in	diester	or confirm	the abcone			
		e to the dep	th neede				or commi	the absenc	e or mulcate	)(5.)	
Depth (inches)	Color (moist)	%	Color	(moist)	Features %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
(IIIIIIIIII)	Color (moist)	/0	00101	(110(31)	/0					- Normanito	
0-6	2.573/1	99	10YR 3	3/3		C	PL	Clarg			
5-15.5	10YR 4/2	- 93%	757	R4/6	72	C	M,PL	CA			
Type: C=C	oncentration, D=De		=Reduced	Matrix, CS	=Covered	or Coate	d Sand Gra			Pore Lining, M=Ma	
lydric Soil I	ndicators: (Appl	cable to all				d.)	κ			matic Hydric Soils	5:
Black Hi Hydroge Stratified	bipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5) ( <b>LRR</b> ck (A9) ( <b>LRR D</b> )		  	Sandy Redox Stripped Mat Loamy Muck Loamy Gleye Depleted Ma Redox Dark	rix (S6) y Mineral ed Matrix trix (F3) Surface (I	(F2) =6)		2 cm Redu Red	Muck (A9) ( <b>I</b> Muck (A10) Iced Vertic (F Parent Mater r (Explain in I	( <b>LRR B</b> ) <sup>-</sup> 18) ial (TF2)	
Thick Da	l Below Dark Surfa urk Surface (A12) lucky Mineral (S1) ileyed Matrix (S4)		F	Depleted Dar Redox Depre /ernal Pools	essions (F			wetlan		ytic vegetation and nust be present, problematic.	
	ayer (if present):										
Restrictive L	Clay	5.5						Hydric So	il Present?		0
Type:	(0 - 1)							inyune ou	in resent.	<u></u>	·
	ches): 00-19									/	
Type: Depth (inc											
Type: Depth (inc emarks: /DROLO											
Type: Depth (inc emarks: /DROLO	GY	5:	1; check a	II that apply	).			Concerns		ators (2 or more reg	uired)
Type: Depth (inc emarks: //DROLO /etland Hyc rimary Indic	GY Irology Indicators	5:		all that apply Salt Crust (I				Concerns		ators (2 or more reg s (B1) (Riverine)	uired)
Type: Depth (inc emarks: /DROLO /etland Hyc rimary Indic Surface	GY Irology Indicators ators (minimum of	5:		1000101010101010100100000000000	B11)				Water Marks		
Type: Depth (inc emarks: /DROLO /etland Hyc rimary Indic Surface '	GY Irology Indicators ators (minimum of Water (A1) ter Table (A2)	5:		Salt Crust (I	B11) : (B12)	s (B13)			Water Marks Sediment De	(B1) ( <b>Riverine</b> )	
Type: Depth (inc emarks: /DROLO /etland Hyc rimary Indic Surface ' High Wa Saturatic	<b>GY</b> Irology Indicators lators (minimum of Water (A1) ter Table (A2) on (A3)	S: one require		Salt Crust (I Biotic Crust	B11) : (B12) ertebrates				Water Marks Sediment De	s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riveri</b> s (B3) ( <b>Riverine</b> )	
Type: Depth (inc emarks: /DROLOG /etland Hyc rimary Indic Surface ` High Wa Saturatic Water M	<b>GY</b> Irology Indicators ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) (Nonrive	one required		Salt Crust (I Biotic Crust Aquatic Inve	B11) : (B12) ertebrates Sulfide Od	or (C1)	Living Root		Water Marks Sediment De Drift Deposite Drainage Pa	s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riveri</b> s (B3) ( <b>Riverine</b> )	
Type: Depth (inc temarks: //DROLOG //etland Hyc //inc // Surface ' Surface ' High Wa Saturatic Water M Sedimen	<b>GY</b> <b>Irology Indicators</b> <u>ators (minimum of</u> Water (A1) ter Table (A2) on (A3) arks (B1) ( <b>Nonrive</b> t Deposits (B2) ( <b>N</b>	s: one required erine) onriverine)		Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S	B11) : (B12) ertebrates Sulfide Od hizospher	or (C1) es along			Water Marks Sediment De Drift Deposite Drainage Pa	s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riveri</b> s (B3) ( <b>Riverine</b> ) tterns (B10) Water Table (C2)	
Type: Depth (inc temarks: //DROLO( //etland Hyo //etland Hyo //et	GY ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) (Nonrive t Deposits (B2) (Nonrive	s: one required erine) onriverine)		Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rł Presence o	B11) : (B12) ertebrates Sulfide Od hizospher f Reduced	or (C1) es along d Iron (C4	4)		Water Marks Sediment De Drift Deposit Drainage Pa Dry-Season Crayfish Bur	s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riveri</b> s (B3) ( <b>Riverine</b> ) tterns (B10) Water Table (C2)	ne)
Type: Depth (inc Remarks: YDROLO Yetland Hyd Primary Indic Orimary Indic Surface Y High Wa Saturatic Water M Sedimen Drift Dep Surface S	<b>GY</b> <b>Irology Indicators</b> <u>ators (minimum of</u> Water (A1) ter Table (A2) on (A3) arks (B1) ( <b>Nonrive</b> t Deposits (B2) ( <b>N</b>	s: one required erine) onriverine) erine)		Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rł	B11) ertebrates Sulfide Od hizospher f Reduced n Reductic	or (C1) es along d Iron (C4 on in Tille	4)		Water Marks Sediment De Drift Deposit Drainage Pa Dry-Season Crayfish Bur	(B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riveri</b> s (B3) ( <b>Riverine</b> ) tterns (B10) Water Table (C2) rows (C8) isible on Aerial Ima	ne)

Field Observations:					BG+ B7 not shony inducation		
Surface Water Present?	Yes	<u>No X</u>	_ Depth (inches):		GOO OF NOT STORE ]		
Water Table Present?	Yes	No <u>/</u>	Depth (inches):	0''	VORY		
Saturation Present? (includes capillary fringe)	Yes	No×	_ Depth (inches):	0''	Wetland Hydrology Present? Yes No Since		
Describe Recorded Data (st	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:							
Remarks: Men crusty + had potential for cracks under dense vegetation but looks to be possible cour							
Area crusty + had potential for oracio under dense vertentito and cooks in all potenties fortprints causing lots of indentations + cracks + dules in the soil. Also some cons pathies tried. Landscope position indecates that surface mater invindation likely during RAIN Senson							
S. T. Yaulicine motion indicate that surface nates inwidation likely during Artin science							
(visit is during dry reason). Torated on the funge of withand, level, + restructure layer							
[[UISI] B starting and	3.0008.0	1 Jour	area dais	5-0-0			
					CT (		

W-22
WETLAND DETERMINATION DATA FORM – Arid West Region
Project/Site: COLLINS VILLE City/County: SUISUN CITY/SOLAND Sampling Date: JULY 1, 2024
Applicant/Owner: LS POWER State: CA Sampling Point: 3P - 1
Investigator(s): <u>SWELLS + CYRodr 16 NEZ</u> Section, Township, Range: <u>3N 1E 23</u>
Landform (hillslope, terrace, etc.):         flat         Local relief (concave, convex, none):         Mne         Slope (%):         Ø           Subregion (LRR):
Subregion (LRR): C U Lat: 38.082479 Long: -121.838864 Datum: NAV 1983
Soil Map Unit Name: TAMBA MULKY CLAY, MLMAIL NWI classification: FRESHWATEREMERGE
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Area         Hydric Soil Present?       Yes       No       X         Wetland Hydrology Present?       Yes       No       X
Remarks: Landscape position higher than surrounding area - maybe a form/levee.

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet: Number of Dominant Species	
1,		That Are OBL, FACW, or FAC: (A)	
2		Total Number of Dominant	
3		Species Across All Strata: (B)	
4 Sapling/Shrub/Stratum (Plot size:)	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: OO (A/B)	
1		Prevalence Index worksheet:	
2		Total % Cover of: Multiply by:	
3		OBL species x 1 =	
4		FACW species x 2 =	
5		FAC species x 3 =	
~	= Total Cover	FACU species x 4 =	
Herb Stratum (Plot size: _ O meter)	15	UPL species x 5 =	
1. toenialum vulgare	<u>198 N</u>	Column Totals: (A) (B)	
2. Lepidium latifolium	2% N EAC.		
3. Junana spp. (baltimo?)	90% N FACW	Prevalence Index = B/A =	
4		Hydrophytic Vegetation Indicators:	
5		Dominance Test is >50%	
6		Prevalence Index is ≤3.0 <sup>1</sup>	
7		Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
8	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
Woody Vine Stratum (Plot size:)	- <del>(v</del>		
1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
2		be present, unless disturbed of problematic.	
	= Total Cover	Hydrophytic	
% Bare Ground in Herb Stratum % Cove	r of Biotic Crust	Vegetation Present? Yes No	
Remarks: No Flowers found on, IMC	US Spp. Potentially	J. balture or J. mexicanus	
and on the botanical surveyor com	spleted for the projed	+ - Both are FACW.	
0	• · · · ·		
			W-22
--	--	---------------------------------------	---
SOIL			Sampling Point: SP-
Profile Description: (Describe to the dep	th needed to document the indicator or c	onfirm the absence	of indicators.)
Depth Matrix	Redox Features		
(inches) Color (moist) %	<u>Color (moist)</u> % Type <sup>1</sup> L	.oc <sup>2</sup> <u>Texture</u>	Remarks
0-4-5 104R 2/1 100		Losa	
4.5-15 2.5 YR32 100		Sa	
			1
		· · · · · · · · · · · · · · · · · · ·	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, CS=Covered or Coated Si	and Grains. <sup>2</sup> Loc	cation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all I			for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm M	Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm M	/luck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduc	ed Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Pa	arent 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)	<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland	hydrology must be present,
Sandy Gleyed Matrix (S4)		unless di	isturbed or problematic.
Restrictive Layer (if present):			
Туре:			,
Depth (inches):	_	Hydric Soil	Present? Yes No 🔀
Remarks: Landscope position ava.	looks to be a berm / I	bree relati	ive to surrounding

## HYDROLOGY

Wetland Hydrology Indicators:				
Primary Indicators (minimum of one required; che	ck all that apply)	Secondary Indicators (2 or more required)		
Surface Water (A1)	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	g Roots (C3) Dry-Season Water Table (C2)		
Drift Deposits (B3) (Nonriverine)				
Surface Soil Cracks (B6)	Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6)			
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)			
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes No	C_ Depth (inches):			
Water Table Present? Yes No	Depth (inches):	$\checkmark$		
Saturation Present? Yes No	Wetland Hydrology Present? Yes No			
Describe Recorded Data (stream gauge, monitorir	ng well, aerial photos, previous inspection	ons), if available:		
	3			
Remarks: Dense vegetation (mostly dend on soils - cracks, solt crust, ste		· 0 6		
pense vegetation ( mostly dead	( Junano Sip.) couring g	round. Jug under + no signs		
on sols - cracks, solt crust, etc		0		

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WETLAND DETERMINATION DATA FORM – Arid West Region
roject/Site: <u>MINSVILU</u> City/County: <u>SUISUN CITY / SOLANO</u> Sampling Date: <u>O7-01-24</u> pplicant/Owner: <u>US POWOR</u> State: <u>CA</u> Sampling Point: <u>SP-2</u> westigator(s): <u>State: CA</u> Sampling Point: <u>SP-2</u> andform (hillslope, terrace, etc.): <u>Flot</u> Local relief (concave, convex, none): <u>None</u> Slope (%): <u>S</u> ubregion (LRR): <u>C</u> Lat: <u>38.082455</u> Long: <u>-121.839133</u> Datum: <u>NA01983</u> oil Map Unit Name: <u>TAMBA MUCKT CLAY</u> , <u>MLPA16</u> NWI classification: <u>Freshwipter Emprue</u>
re climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) re Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No re Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) <b>CUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.</b>
Hydrophytic Vegetation Present?       Yes X       No       Is the Sampled Area         Hydric Soil Present?       Yes X       No       within a Wetland?         Wetland Hydrology Present?       Yes X       No       No
Remarks: Redox and obidized phygospheres along living roots, though present, were goth just barely 28 - therefore not strong undicators for both soil + hydrology.
EGETATION – Use scientific names of plants.
Absolute       Dominant       Indicator <u>% Cover</u> <u>Species?</u> <u>Status</u> 1.

1	Number of Dominant Species         That Are OBL, FACW, or FAC:         (A)
2	
3	Total Number of Dominant Z (B)
4.	· · ·
Sapling/Shrub Stratum (Plot size:)	Percent of Dominant Species 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 x 2 =
5	FAC species x 3 =
	FACU species x 4 =
Herb Stratum (Plot size: <u>JSQ FT</u> )	UPL species x 5 =
1. lepidium latifilium 20 N FAC	Column Totals: (A) (B)
2. Heliotropium curassavicum GO Y FACU	
3. Scheenoplectus americanus 25 Y OBL	Prevalence Index = B/A =
4. dead sticks (maybe BRASSICALEAE) 7 N	Hydrophytic Vegetation Indicators:
5	Dominance Test is >50%
6	Prevalence Index is ≤3.0 <sup>1</sup>
7	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Weadu Vias Stratum (Dist size)	
Woody Vine Stratum (Plot size:)	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1	be present, unless disturbed or problematic.
2	
= Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Present? Yes No
Remarks: Heliotrophim anassovicum very dense and S.	americanus just starting.
In this without area L. Satifolder monorulte	re nearby in the large
potential area, may indicate invasion in 3	easonally flooded march &
In this potential area L. latifolder monorultu potential area, may indicate invasion in s slightly high ele	estin, U

Arid West - Version 2.0

\_\_\_\_ Sandy Mucky Mineral (S1)

Restrictive Layer (if present):

Sandy Gleyed Matrix (S4)

Remarks: Mature chroma of

								W-23
SOIL								Sampling Point: <u>SP-2</u>
Profile Des	cription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirm	m the absence	of indicators.)
Depth	Matrix		Redo	x Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks
0-5	7.54R2.5/	100					SACLLO	OKGANIC matter VISUALE
5-10	104R 4/1	95	7.5183/4	5	<u> </u>	Μ	SAND	C/oft masses J suntys
			·					reddith
						21		
<sup>1</sup> Type: C=C	Concentration, D=Der	bletion, RM	I=Reduced Matrix, CS	S=Covere	ed or Coate	ed Sand G	arains. <sup>2</sup> Loc	ation: PL=Pore Lining, M=Matrix.
			I LRRs, unless other					for Problematic Hydric Soils <sup>3</sup> :
Histoso	ol (A1)	S	🔀 Sandy Redo	ox (S5)	BARELY	200	1 cm M	1uck (A9) (LRR C)
	Epipedon (A2)		Stripped Ma		с то -		2 cm N	luck (A10) (LRR B)
	listic (A3)		Loamy Muc	ky Miner	al (F1)			ed Vertic (F18)
Hydrog	en Sulfide (A4)		Loamy Gley				Red Pa	arent Material (TF2)
	ed Layers (A5) (LRR	C)	Depleted M	atrix (F3)			Other (	Explain in Remarks)
	luck (A9) (LRR D)		Redox Dark	Surface	(F6)			
	ed Below Dark Surfac	e (A11)	Depleted Da					
	ark Surface (A12)		Redox Depr	ressions	(F8)		<sup>3</sup> Indicators	of hydrophytic vegetation and

wetland hydrology must be present,

Yes

wall

in AN

NOT STRONG

No

much

Sandy Soi

at ou

unless disturbed or problematic.

Hydric Soil Present?

less + 2% redex concentrations though not

Very little redox visible. High agami mot determination (p.29) not done due to CLLO often

### HYDROLOGY

more

See

Type: \_

Depth (inches):

HYDROLOGY Som And West Sur
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) MHEUT 2000 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 X Depth (inches):
Water Table Present? Yes No Depth (inches):
Saturation Present? Yes No K Depth (inches): Wetland Hydrology Present? Yes No No
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
C3 observed along living voots, but very low percentage overall

Vernal Pools (F9)

Zon

no -

-soil texture

US Army Corps of Engineers

WETLAND DETERMINATION DATA FORM – Arid West Region
Project/Site: <u>COLLINS VILLE</u> City/County: <u>SUSUN CITY /SOLANO</u> Sampling Date: <u>JULY 1 2024</u> Applicant/Owner: <u>LS POWER</u> State: <u>CA</u> Sampling Point: <u>SP - 3</u>
Investigator(s): <u>S.WELLS + CY. KOORIGUEZ</u> Section, Township, Range: <u>3N IE Z3</u> Landform (hillslope, terrace, etc.): <u>FLAT</u> Local relief (concave, convex, none): <u>None</u> Slope (%): <u>S</u> Subregion (LRR): <u>C</u> Lat: <u>38.082382</u> Long: <u>-121.839942</u> Datum: <u>NAD 1983</u> Soil Map Unit Name: <u>TAMIDA MUCKY CLAY</u> , <u>MLMA Ib</u> NWI classification: <u>FHEMPATER EMERCIEN</u> Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>No</u> (If no, explain in Remarks.) <u>WETAMID</u> Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes <u>X</u> No Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No Key Is the Sampled Area Hydric Soil Present? Yes Yes No Xey Is the Sampled Area within a Wetland? Yes No Xey Inductors of hydrophytic Venetation I without hydrology. Remarks: Strong inductors of hydrophytic Venetation I without hydrology. Inoblementic hydro I will manually pondel.

### VEGETATION - Use scientific names of plants.

	Absolute Domin	ant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	<u>% Cover</u> Specie	service contractorers of	Number of Dominant Species
1			That Are OBL, FACW, or FAC: (A)
2			
3			Total Number of Dominant Species Across All Strata: Z (B)
0		·	Species Across Air Strata (B)
۹	= Tota		Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	= 10ta	Cover	That Are OBL, FACW, or FAC: (A/B)
1	110		Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3			OBL species x 1 =
4			FACW species x 2 =
5			FAC species x 3 =
_	Ø = Total	Cover	FACU species x 4 =
Herb Stratum (Plot size: 530FT)	11- 1		UPL species x 5 =
1. Schoenoplectus acutus	<u>45 x</u>	0102	Column Totals: (A) (B)
2. Polypogan monspeliensis	<u>20 Y</u>	FACW	· · · · · · · · · · · · · · · · · · ·
3. Heliotropiura Cupassa Vicum	5 N	FACY	Prevalence Index = B/A =
41			Hydrophytic Vegetation Indicators:
5			Dominance Test is >50%
6			Prevalence Index is ≤3.0 <sup>1</sup>
7			Morphological Adaptations <sup>1</sup> (Provide supporting
8			data in Remarks or on a separate sheet)
	70 = Total	Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	<u> </u>		~ r . /
1	··		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2			be present, unless disturbed or problematic.
	= Total	Cover	Hydrophytic
% Bare Ground in Herb Stratum 30% % Cover	of Piotio Crust	X	Vegetation Present? Yes No No
Remarks:	or blotte ordst	P	
Nemana.			
		× 1	

			[w-22
SOIL			Sampling Point:
Profile Description: (Describe to the de	epth needed to document the indicator or c	onfirm the absence of	indicators.)
Depth Matrix	Redox Features		
(inches) Color (moist) %	<u>Color (moist)</u> <u>%</u> <u>Type<sup>1</sup></u> L	.oc <sup>2</sup> <u>Texture</u>	Remarks
			1
0-4 7,57RZ,5/1 100	· ·	SANDY CLA	5/
· · · · · · · · · · · · · · · · · · ·			
4-14 10YR 3/1 100		SAND	
	2/ m ///////////	· · · ·	
		·	
'Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to a	M=Reduced Matrix, CS=Covered or Coated Si		ion: PL=Pore Lining, M=Matrix. r Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)		ck (A9) (LRR C)
Histosof (A1) Histic Epipedon (A2)	Stripped Matrix (S6)		ck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)		Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		ent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	X Other (E)	kplain in Remarks)
1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11)	Redox Dark Surface (F6) Depleted Dark Surface (F7)	•	
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of	hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)		drology must be present,
Sandy Gleyed Matrix (S4)		unless dist	urbed or problematic.
Restrictive Layer (if present):			
Type: SANDY CLAY			$\checkmark$
Depth (inches):		Hydric Soil Pr	resent? Yes No
Parles monie aufore lay nuttu (Sony fr. 501 1977 fr.	in = randy day > do Seasmally Ponded pro	g could pre	sact restrictive layer ic soil.
IYDROLOGY			
Wetland Hydrology Indicators:		<b>•</b> • •	
Primary Indicators (minimum of one require		14024.0	ry Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11) Biotic Crust (B12)		er Marks (B1) ( <b>Riverine</b> ) iment Deposits (B2) ( <b>Riverine</b> )
High Water Table (A2) Saturation (A3)	Aquatic Invertebrates (B13)		Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)		nage Patterns (B10)
Sediment Deposits (B2) (Nonriverine			Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Cray	fish Burrows (C8)
X Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled So	ils (C6) Satu	ration Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (I			llow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC	-Neutral Test (D5)
Field Observations:			
	No X Depth (inches):		
	No Depth (inches):		
Saturation Present? Yes (includes capillary fringe)	No Depth (inches):	wetiand Hydrology F	Present? Yes No
	nonitoring well, aerial photos, previous inspect	tions), if available:	
		~	
Remarks: Surface soil ora similar vegetation,	des apparent in vier just more 5 acutus	nity of San and Fare	ground.

#### WETLAND DETERMINATION DATA FORM - Arid West Region SOLAND Sampling Date: Project/Site: \_ COULNS VILLE City/County: SUISUN CITY LS POWER State: A Sampling Point: Applicant/Owner: Section, Township, Range: <u>3</u>N 1 E S. WELLS 23 RODRIGHEZ 4 Investigator(s): CM Local relief (concave, convex, none): \_\_\_\_\_ Landform (hillslope, terrace, etc.): Slope (%): Lat: 38.082332 Long: -121. 840525 Datum: NMP Subregion (LRR): MURA-16 RIVERINE TAMBA MUCKY CLAN NWI classification: Soil Map Unit Name: (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Yes No\_\_\_\_ Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X No Is the Sampled Area Hydric Soil Present? Yes No within a Wetland? Yes No Wetland Hydrology Present? Yes No X Remarks: In the longer estential willa Catibolum onea, Lepid the monoculture may be Ism areas Ū. VEGETATION – Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: \_\_\_\_\_ ) <u>% Cover</u> Species? Status Number of Dominant Species - (A) That Are OBL, FACW, or FAC: 1. \_\_\_\_\_ 2. Total Number of Dominant 3. \_ Species Across All Strata: (B) 4. Percent of Dominant Species Ø (A/B) = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: 1. Total % Cover of: Multiply by: 2. OBL species x 1 = 3. FACW species ×2-

4				TAOW species	^ ^ 2		-
5				FAC species	x3	3 =	
5.44	Ø	= Total Co	over	FACU species	X4	=	
Herb Stratum (Plot size: 55% FT.)	0.0	1	-	UPL species	x 5	i =	
1. LEPIDIUM LATIFOLIUM	80		FAC	Column Totals:	(A)		(B)
2. POLYPOGON MONOSPELIENSIS	10	<u>N</u>	FACW				
3. DISTICHLIS SPICATA	35	<u> </u>	FAC	Prevalence In	dex = $B/A =$		-
4				Hydrophytic Vege	tation Indicat	ors:	
5				Dominance Te	st is >50%		
6				Prevalence Ind	ex is ≤3.0 <sup>1</sup>		
7						Provide supporti eparate sheet)	ng
0	125	= Total Co	over	Problematic Hy	drophytic Veg	etation <sup>1</sup> (Explair	1)
Woody Vine Stratum (Plot size:)				· · · ·		nen na antina antina di tam	0.015-24
1				<sup>1</sup> Indicators of hydric be present, unless			ust
2	- +		<u></u>			obioinado.	
1	$-\varphi$	= Total Co	over	Hydrophytic	y i		
% Bare Ground in Herb Stratum % Cover		/		Vegetation Present?	Yes X		
Remarks: Lyridum latifolum in	wald	V area		noulting	. Very	dense	
Remarks: Lyridum latifolum in and likely & slightly hopen ale	vation	/ bre	dering	over my	hydry	logy (pot	entra
without over).			J	/	U	0.	

			÷					W-22	$\supset$
SOIL							V	Sampling Point:	
Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the	indicator	or confir	m the absence	e of indicators.)	
Depth (inchoo)	Matrix Color (moist)		Color (moist)	Feature %	es Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Bemerke	
(inches)				70				Full of antipular transformed	$\overline{o} > 5$
025	64 1 51.				-	-	<u>61 CI</u>	- marginaria a para manan	
0-3.5	51 2,5/1	·					SA CL		-
7-10	5/2/		0 ELIO ILIO	1		<u></u> ΛΛ			-
2.5-15	<u> </u>	- 44	2.5 7R 918	<u> </u>		/ / /	SAND	-	
~									
					· · · · · · · · · · · · · · · · · · ·		<u> </u>		
	×								
							1	<b>■</b> 31	
<sup>1</sup> Type: C=Co	oncentration, D=Depl	letion, RM=	Reduced Matrix, CS	=Covere	d or Coat	ed Sand G	Brains. <sup>2</sup> Lo	ocation: PL=Pore Lining, M=Matrix.	
Hydric Soil I	ndicators: (Applica	able to all L	RRs, unless other	wise not	ted.)			s for Problematic Hydric Soils <sup>3</sup> :	
Histosol	S. S. San		Sandy Redo					Muck (A9) (LRR C)	
	pipedon (A2)		Stripped Mat					Muck (A10) (LRR B)	
Black His	stic (A3) n Sulfide (A4)		Loamy Muck Loamy Gleye				the second secon	ced Vertic (F18) Parent Material (TF2)	
	Layers (A5) (LRR C	;)	Depleted Ma					(Explain in Remarks)	
	ck (A9) (LRR D)		" Redox Dark	Surface	(F6)				
	Below Dark Surface	e (A11)	Depleted Da				2		
a second s	ark Surface (A12) lucky Mineral (S1)		Redox Depression		(F8)			s of hydrophytic vegetation and I hydrology must be present,	
	leyed Matrix (S4)			((-9)				disturbed or problematic.	
Restrictive L	ayer (if present):								-
Туре:	SANDY CLA	1					4		
Depth (inc	ches): <u>0-3,5</u>	7					Hydric Soi	I Present? Yes No	
Remarks: p	otential for	r sevs 2 hut	mally pond lading ned	od p	rollen	notions.	hydrie. 5 2020	vil my dominant	
preservet	withistore	layn	& rooton pl	intro	roterial	l (dark	er rgini	c) & Surface (1987mar	mal .
IYDROLO				Seller	-				
	rology Indicators:					ø			
	ators (minimum of or	ne required;		encode avera				ndary Indicators (2 or more required)	
	Water (A1)		Salt Crust (					Water Marks (B1) ( <b>Riverine</b> )	
Saturatio	ter Table (A2)		Biotic Crust Aquatic Inve		e (B13)			Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> )	
	arks (B1) ( <b>Nonriveri</b> i	ne)	Hydrogen S					Drainage Patterns (B10)	
	t Deposits (B2) (Non		Oxidized RI		S _ S	Living Ro		Dry-Season Water Table (C2)	
Drift Dep	osits (B3) (Nonriveri	ine)	Presence of	f Reduce	ed Iron (C	4)	_ (	Crayfish Burrows (C8)	
	Soil Cracks (B6)		Recent Iron			d Soils (C		Saturation Visible on Aerial Imagery (C9)	
	on Visible on Aerial Ir	nagery (B7)						Shallow Aquitard (D3)	
	ained Leaves (B9)		Other (Expl	ain in Re	emarks)		F	FAC-Neutral Test (D5)	_
Field Observ			o Depth (incl						
Surface Wate Water Table F			o Depth (incl o Depth (incl						
Saturation Pro							land Hydrolog	gy Present? Yes No	
(includes capi	illary fringe)								
Describe Kec	orded Data (stream	gauge, mor	moring well, aerial pl	iolos, pr	evious ins	spections),	, ii avallaole:		
Remarks:			mounding a	ners		lack siml	a Vegetal	other serverally ponded	
wittends	in the ones	Hydr			ud in	. the NWI	vegetation		noted
- The	1 1 1 1 1	mon	WIN FINDIN	,					

		W-2:
52 C 490 C 49 C	ERMINATION DATA F	ORM – Arid West Region
Applicant/Owner: <u>SPONOV</u>		Suikun City /SOLANO Sampling Date: 07-08-24 State: C/A Sampling Point: 5P-5
nvestigator(s): Sidney Wells, chursting F		
andform (hillslope, terrace, etc.):	Local relief (co	Dincave, convex, none): NONE Slope (%): D
		27 Long: -121.840606 Datum: NAP11
		NWI classification: <u>Riverine</u>
re climatic / hydrologic conditions on the site typical for		
re Vegetation, Soil, or Hydrology		
re Vegetation, Soil, or Hydrology	_ naturally problematic?	(If needed, explain any answers in Remarks.)
UMMARY OF FINDINGS – Attach site ma	p showing sampling p	point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No	Sampled Area No
Remarks:		
EGETATION – Use scientific names of pla	ants.	
· · · · · · · · · · · · · · · · · · ·	Absolute Dominant Ind	dicator Dominance Test worksheet:
Tree Stratum (Plot size:)	<u>% Cover</u> Species? S	Number of Dominant Species
l		That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
3 4.		Species Across All Strata: (B)
T	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size:)		
1		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species         x 1 =           FACW species         x 2 =
ł		FAC species x 2 =
5	= Total Cover	
Herb Stratum (Plot size: 55& FT )		UPL species x 5 =
		Column Totals: (A) (B)
Salicoknia pacifica		<u>BL</u>
. Polypogan moniospeliensis	<u> </u>	ACW Prevalence Index = B/A =
		Hydrophytic Vegetation Indicators: ↓ Dominance Test is >50%
·		data in Remarks or on a separate sheet)
	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)		
1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		<ul> <li>Second State Stat</li></ul>
70	= Total Cover	Vegetation
% Bare Ground in Herb Stratum <u>29</u> % Co		Present? Yes No
Remarks: no Lejidum Latifolum . Solicomia polifica can prefer .	sin unmidente Uni nove solinity.	unitz.

				W-221
SOIL			×	Sampling Point:
Profile Description: (Describe to the depth	needed to document the in	dicator or confirm	n the absence of in	dicators.)
Depth Matrix	Redox Features			
_(inches) Color (moist)%	Color (moist)%	Type <sup>1</sup> Loc <sup>2</sup>		Remarks
0-5 DYR 7/2 100			Maxloam	
- 105 1010 21			0.1.01	
5-125 154R 2/1			Sityclas	
			J 0	
125-165 54 4/1 93 1	OVR 5/8 7	C M	CLAIN D	las constant and
<u>60-100 01 11 10 1</u>	011 10 1		- temp	east concerno and 27
				masser
			<del>,</del> , , , , , , , , , , , , , , , , , ,	
·			· · · · · · · · · · · · · · · · · · ·	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=R				: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LR	Rs, unless otherwise noted	d.)	Indicators for F	Problematic Hydric Soils <sup>3</sup> :
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 Ve	ertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (I	F2)	Red Parent	Material (TF2)
Stratified Layers (A5) (LRR C)	Z Depleted Matrix (F3)		Other (Expl	ain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F	6)		
X Depleted Below Dark Surface (A11)	Depleted Dark Surface	(F7)		
~ Thick Dark Surface (A12) Derletid Surga	Redox Depressions (F8)	3)	<sup>3</sup> Indicators of hy	drophytic vegetation and
Sandy Mucky Mineral (S1) Lelow Lin	Vernal Pools (F9)		wetland hydro	plogy must be present,
Sandy Gleyed Matrix (S4)	e		unless disturb	ed or problematic.
Restrictive Layer (if present):	did not full Givehagen	with		
Type:	N N			V
Depth (inches):	_		Hydric Soil Pres	ent? Yes No
Remarks:		سل ۱۰۰۰	> 0 0 .	or hip volue.
Remarks: Redox concentrations as sof	1 morsia. 1 L'40	distinct.	-) ranginan	or orge Voene.

## HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; ch	neck all that apply)	Secondary Indicators (2 or more required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> <li>Sediment Deposits (B2) (Nonriverine)</li> <li>Drift Deposits (B3) (Nonriverine)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B7)</li> <li>Water-Stained Leaves (B9)</li> </ul>	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living Roots (C3)</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled Soils (C6)</li> <li>Thin Muck Surface (C7)</li> <li>Other (Explain in Remarks)</li> </ul>	<ul> <li>Water Marks (B1) (Riverine)</li> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:		
Surface Water Present?     Yes No       Water Table Present?     Yes No       Saturation Present?     Yes No	Depth (inches):	rdrology Present? Yes No
(includes capillary fringe)		
A 2 (2)	pring well, aerial photos, previous inspections), if avail	
Remarks: SWFace Soil crad	KS in the immediate vi Ground. Salt and result for liconia parfica lifes more sale	Unity of the regetation
community in open bane	ground. Salt anot result for	on salve surface water
dihly + bound Intille + So	liconia pocifica lifes more sali	~~. v

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## WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: COLLINS VILLE	City/County: Suisan CITY/SOLANO Sampling Date: JULY 10, 202
Applicant/Owner: LS POWER	State: Sampling Point:
Investigator(s): C.Y. RODRIGUEZ + S. WELLS	Section, Township, Range: <u>3N IE Z3</u>
Landform (hillslope, terrace, etc.):	_ Local relief (concave, convex, none): Slope (%):
Subregion (LRR): Lat:	Long: Datum: NAV 1983
Soil Map Unit Name: TAMBA MUCKY CLAM, ML	-YGA-16 NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of y	year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significant	tly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally p	problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u> </u>	Is the Sampled Area within a Wetland?	Yes No
Remarks: In the larger monoculture may be slightly higher on	potential without changing the east of elevoir	larea, Lopidin Lydisloging @ .	m latifolium invasion, can be aggrenated up

## VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size:	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
1		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		
3		Total Number of Dominant Species Across All Strata: (B)
4		
	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size:)		
1		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
4	·	FACW species x 2 =
5		FAC species x 3 =
S CI	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: 539,-14.)	7	UPL species x 5 =
1		Column Totals: (A) (B)
2. SACICOIKNIA PACIFICA	<u>Z</u> <u>05L</u>	
3. LEPIDIUM ATTFOLIUM	<u>25</u> <u>FAC</u>	Prevalence Index = B/A =
4. DISTICIAILIS SPIGATA	<u>90</u> FAC	Hydrophytic Vegetation Indicators:
5		X Dominance Test is >50%
6		Prevalence Index is ≤3.0 <sup>1</sup>
7		Morphological Adaptations <sup>1</sup> (Provide supporting
8		data in Remarks or on a separate sheet)
2.4	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)		
1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2		be present, unless disturbed or problematic.
	= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum % Cover		Vegetation
		Present? Yes <u>No</u>
Remarks: In the transition are	a of begidning	latifolium invasion /
monoralture.	U I	N /
und y = ♥ 2 ♥ = 2 = 2 ♥ = 2 ♥ =		

hule	.7.7
200	
10	1

SOIL								Sampling Point:6
Profile Desc	cription: (Describe	to the depth	needed to docum	ent the i	ndicator	or confirm	m the absence of	findicators.)
Depth	Matrix		Redox	Features	S			
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-3.5	2.54 5/7	98	5YR 0/4	2			SACL	
						$\longrightarrow$		
3 5 1 5	10 VA 3/.		INVE ELI			••	CANO	
$\frac{1}{2}$	10 11	- <u>49</u> -	10 YR 5/6		<u></u> C,CS	<u>M</u>	SAND	
								1
1Tuno: C=C	oncentration, D=Dep	lotion PM-E	Poducod Matrix CS			d Sand G		ion: PL=Pore Lining, M=Matrix.
	Indicators: (Application)					u Sanu G		or Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Redo:					ck (A9) (LRR C)
	oipedon (A2)		Stripped Mat	10 C				ck (A10) (LRR B)
	istic (A3)		Loamy Muck		l (F1)			Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gleye	ed Matrix	(F2)		Red Pare	ent Material (TF2)
Stratified	d Layers (A5) (LRR C	<b>;</b> )	Depleted Ma				Other (E:	xplain in Remarks)
	uck (A9) (LRR D)		Redox Dark					
	d Below Dark Surface	e (A11)	Depleted Da				3,,	
	ark Surface (A12)		Redox Depre		-8)			hydrophytic vegetation and drology must be present,
	/lucky Mineral (S1) Bleyed Matrix (S4)		Vernal Pools	(гэ)				urbed or problematic.
and a stratight some set	Layer (if present):				<u>.</u>			
	SACL							
Depth (inc		5					Hydric Soil P	resent? Yes No X
Remarks:		-						
Remarks.	man a beau	d are t	to confirm 3	15 V	s, 4	An	death for	hist layer fring
	A har and the		entral for			Q.L.	1 hallen	tis lovel in Sandre
Sange	heards leave	w. how	entrel Por				of here and	
CUPY	tenture. or	ignic/	clast matter.	lorler	+ ANA	able m	n first lar	for (1987 manual)
HYDROLO	GY	0 7.					0	
	drology Indicators:							
	cators (minimum of o	ne required:	check all that apply	)			Second	ary Indicators (2 or more required)
	Water (A1)	ne required,	Salt Crust (					er Marks (B1) (Riverine)
	iter Table (A2)		Biotic Crust					iment Deposits (B2) (Riverine)
Saturatio	the second s		Aquatic Inve	188 C	s (B13)			t Deposits (B3) (Riverine)
	larks (B1) ( <b>Nonriveri</b>	ne)	Hydrogen S					inage Patterns (B10)
1	nt Deposits (B2) (Nor		Oxidized RI			iving Ro	and the second sec	-Season Water Table (C2)
	oosits (B3) (Nonriver		Presence o					yfish Burrows (C8)
	Soil Cracks (B6)	inc)	Recent Iron			~		uration Visible on Aerial Imagery (C9)
	on Visible on Aerial I	magery (B7)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					llow Aquitard (D3)
	tained Leaves (B9)		Other (Expl		See 1			C-Neutral Test (D5)
Field Observ								
Surface Wate		os N	o _X_ Depth (incl	nes):				
Water Table			$  \Delta $ Depth (incl			_		
Saturation Pr			$  \Delta $ Depth (incl			- Wot	land Hydrology	Present? Yes No
(includes cap							and right blogy i	
	corded Data (stream	gauge, mon	itoring well, aerial pl	notos, pre	evious ins	pections),	, if available:	
Remarks: 11	L. delan .	str.	in the second	dist.		ا لعد	idium l	tildum
M	Hannara II 4	not ap	pour in	CUNCO C. D	3 mg	T		H D i D -tra
trangel	who al	mon	fullune.	gul	n s	non	w shop	my shopper account
-the -	measter 0	us the	a betater	NINA	n	1 an	nl crail	2 + 5 choenoplatus
Commento .	income of a		amount or		1	12		
amer	- sources							

w	ETLAND DETERM	INATION DATA FORM – Arid West Region
Project/Site:COLLINSVILLE		City/County: JUISUNCITY/SOLAND Sampling Date: JULY 2, 20
Applicant/Owner: LS POWEP		State: CA Sampling Point: SE-)
nvestigator(s): S.WELLS + (	CY RODRIGUEZ	Section, Township, Range: 3NIE 23
andform (hillslope, terrace, etc.):		
Subregion (LRR):C		Local relief (concave, convex, none): None Slope (%):
Soil Map Unit Name: PIABLO	AYAR CLAYS	TIMBA MUCIEY CLAY NWI classification: Mone
Are climatic / hydrologic conditions on	the site typical for this tir	me of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or	r Hydrology sign	ificantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or		
		owing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes × No	
Hydric Soil Present?	Yes X No	Is the Sampled Area
Wetland Hydrology Present?	Yes X No	within a Wetland? Yes <u>No</u> No

# VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute	Dominant Indicator Species? Status	Dominance Test worksheet:
1			Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2			
3			Total Number of Dominant Species Across All Strata:
4			
Sapling/Shrub Stratum (Plot size:)	ø	_= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
1			Prevalence Index worksheet:
2			Total % Cover of:Multiply by:
3			OBL species x 1 =
4			FACW species x 2 =
5			FAC species x 3 =
7	Ø	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	200		UPL species x 5 =
1. FRANKENIA SALINA	30%	111	Column Totals: (A) (B)
2. DISTICHLIS SPICATA	75%	Y FAC	(0)
3. DRIED BRANGHES (NO ID)	2 20	N	Prevalence Index = B/A =
4. SCHOENOPLEETUS CALIFORNICUS	5 700	N OBL	Hydrophytic Vegetation Indicators:
5			X Dominance Test is >50%
6			Prevalence Index is ≤3.0 <sup>1</sup>
7			Morphological Adaptations <sup>1</sup> (Provide supporting
8			data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size:)	107	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1,			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2			be present, unless disturbed or problematic.
		= Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover	r of Biotic C	rust 0	Present? Yes No
Remarks:			

	Matrix	to the de	pth needed to docu			or confir	rm the abse	nce of indicators.)	
Depth (inches)	Color (moist)	%	Color (moist)	ox Feature %	Type	Loc <sup>2</sup>	Texture	e Remarks	
0-1.5	51R3/1	100				200	Sall	Nomarka	
-									
1.5-8.5	JOYR 4/1	100					Sac		
.5-17.5	Gley 15hor	99	1042 4/6		С	М	Clair	<u>}</u>	
								2	
			Reduced Matrix, Call LRRs, unless othe			ed Sand (		<sup>2</sup> Location: PL=Pore Lining, M=Matrix. cors for Problematic Hydric Soils <sup>3</sup> :	
Histosol		and to di	Sandy Red					m Muck (A9) (LRR C)	
	pipedon (A2)		Stripped M					m Muck (A10) (LRR B)	
_ Black Hi	stic (A3)		Loamy Mud		al (F1)			duced Vertic (F18)	
	n Sulfide (A4)		🔀 Loamy Gle					d Parent Material (TF2)	
	Layers (A5) (LRR	C)	Depleted M				Oth	ner (Explain in Remarks)	
	ick (A9) (LRR D)	(111)	Redox Dar						
	d Below Dark Surfac ark Surface (A12)	æ (ATT)	Depleted D Redox Dep				<sup>3</sup> Indicators of hydrophytic vegetation and		
	Aucky Mineral (S1)		Vernal Poo		(10)			and hydrology must be present,	
	Bleyed Matrix (S4)							ss disturbed or problematic.	
	Layer (if present):								
	Layer (if present):								
Restrictive Type: Depth (in							Hydric S	Soil Present? Yes No	
Restrictive Type:							Hydric S	Soil Present? Yes No	
Restrictive Type: Depth (in Remarks:	ches):						Hydric S	Soil Present? Yes No	
Restrictive Type: Depth (in Remarks: YDROLO	ches):					;		Soil Present? Yes No	
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy	ches): DGY drology Indicators		ed; check all that app					Soil Present? Yes No	
Type: Depth (in Remarks: YDROLO Vetland Hy Primary Indi	ches): DGY drology Indicators		Salt Crust	t (B11)		:		econdary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )	
Type: Depth (in Remarks: YDROLO Vetland Hy Primary India Surface	ches): PGY drology Indicators cators (minimum of c		Salt Crust Biotic Cru	t (B11) st (B12)		:		condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)	
Type: Depth (in Remarks: YDROLO Vetland Hy Primary Indi Surface High Wa Saturati	Ches): GY drology Indicators cators (minimum of of Water (A1) ater Table (A2) on (A3)	one require	Salt Crust Biotic Cru Aquatic In	t (B11) st (B12) ivertebrate		:		condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)	
Restrictive Type: Depth (in Remarks: YDROLO Yetland Hy Primary Indi Surface High Wa Saturati Water M	Ches): GGY drology Indicators cators (minimum of of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver	one require rine)	Salt Crust Biotic Cru Aquatic In Hydrogen	t (B11) st (B12) overtebrate Sulfide O	dor (C1)		<u>Se</u>	condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)	
	Ches): GGY drology Indicators cators (minimum of e Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver nt Deposits (B2)/No	one require rine) onriverine)	Salt Crust Biotic Cru Aquatic In Hydrogen	t (B11) st (B12) overtebrate Sulfide O Rhizosphe	dor (C1) eres along	Living Rc	<u>Se</u>	econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)	
Perimary India Wetland Hy Primary India Saturatia Water N Sedimen Drift Deg	Ches): GGY drology Indicators cators (minimum of e Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver	one require rine) onriverine)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized	t (B11) st (B12) overtebrate Sulfide O Rhizosphe of Reduce	dor (C1) eres along ed Iron (C4	Living Rc	Se	econdary Indicators (2 or more required) _ Water Marks (B1) (Riverine) _ Sediment Deposits (B2) (Riverine) _ Drift Deposits (B3) (Riverine) _ Drainage Patterns (B10) _ Dry-Season Water Table (C2) _ Crayfish Burrows (C8)	
Pestrictive Type: Depth (in Remarks: YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water N Sedimei Drift De Surface	ches): GY drology Indicators cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6)	one require rine) onriverine) orine)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent In	t (B11) est (B12) overtebrate Sulfide O Rhizosphe of Reduce	dor (C1) eres along ed Iron (C4 ion in Tille	Living Rc	Se	econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS	
	ches): GY drology Indicators cators (minimum of o Water (A1) ater Table (A2) on (A3) tarks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial	one require rine) onriverine) orine)	Aquatic Irr Aquatic Irr Hydrogen Oxidized I Presence Recent Irr 37) Thin Muck	t (B11) est (B12) overtebrate Sulfide O Rhizosphe of Reduce on Reduct & Surface	dor (C1) eres along ed Iron (C4 ion in Tille (C7)	Living Rc	Se	Condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)	
Restrictive Type: Depth (in Remarks: YDROLO Yetland Hy Primary Indi Surface High Wa Saturati Water N Sedimei Drift Deg Surface Inundati Water-S	Ches): GY drology Indicators cators (minimum of of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver mt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) Soil Cracks (B6) on Visible on Aerial itained Leaves (B9)	one require rine) onriverine) orine)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent In	t (B11) est (B12) overtebrate Sulfide O Rhizosphe of Reduce on Reduct & Surface	dor (C1) eres along ed Iron (C4 ion in Tille (C7)	Living Rc	Se	econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS	
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary Indi Garage High Wa Saturati Water N Sedimen Drift Dep Surface Inundati Water-S Field Obser	Ches): GY drology Indicators cators (minimum of of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver mt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) Soil Cracks (B6) on Visible on Aerial itained Leaves (B9) vations:	one require rine) priverine) prine) Imagery (E	Salt Crust     Biotic Cru     Aquatic In     Hydrogen     Oxidized I     Presence     Recent Irc     Thin Muck     Other (Ex	t (B11) ist (B12) ivertebrate Sulfide O Rhizosphe of Reduct on Reduct Surface plain in Re	dor (C1) ares along ed Iron (C4 ion in Tille (C7) emarks)	Living Rc	Se	Condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)	
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedimer Drift Dej Surface Inundati Water-S Field Obser	Ches): GY drology Indicators cators (minimum of e Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial dained Leaves (B9) vations: er Present?	one require rine) prriverine) Imagery (E	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent In Biotic Cru Hydrogen Oxidized I Presence Recent In Other (Ex No L Depth (in	t (B11) ist (B12) ivertebrate Sulfide O Rhizosphe of Reduce on Reduce Surface plain in Re	dor (C1) eres along ed Iron (C4 ion in Tille (C7) emarks)	Living Rc	Se	Condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)	
Restrictive Type: Depth (in Remarks: YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Saturati Saturati Sedimei Sedimei Surface Inundati Surface Inundati Water-S Sield Obser Surface Water Saturation P includes ca	Ches): GY drology Indicators cators (minimum of e Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Y Present? Y pillary fringe)	rine) onriverine) iríne) Imagery (E ces ces	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent In Recent In No Depth (in No No Depth (in No Depth (in	t (B11) ist (B12) ivertebrate Sulfide O Rhizosphe of Reduce on Reduct Surface plain in Re uches): iches):	dor (C1) eres along ed Iron (C4 ion in Tille (C7) emarks) $O^{11}$ $O^{1}$	Living Ro 4) d Soils (C	Se 	econdary Indicators (2 or more required) _ Water Marks (B1) (Riverine) _ Sediment Deposits (B2) (Riverine) _ Drift Deposits (B3) (Riverine) _ Drainage Patterns (B10) _ Dry-Season Water Table (C2) _ Crayfish Burrows (C8) _ Saturation Visible on Aerial Imagery (C9 _ Shallow Aquitard (D3) _ FAC-Neutral Test (D5)	
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary Indi Galary Indi Surface High Wa Saturati Water N Sedimen Drift Dej Surface Inundati Water-S Field Obser Surface Water Curface Water Saturation P includes ca	Ches): GY drology Indicators cators (minimum of e Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial itained Leaves (B9) vations: er Present? Y Present? Y pillary fringe)	rine) onriverine) iríne) Imagery (E ces ces	Salt Crust     Biotic Cru     Biotic Cru     Aquatic In     Hydrogen     Oxidized I     Presence     Recent In     Other (Ex     No Depth (in     No Depth (in	t (B11) ist (B12) ivertebrate Sulfide O Rhizosphe of Reduce on Reduct Surface plain in Re uches): iches):	dor (C1) eres along ed Iron (C4 ion in Tille (C7) emarks) $O^{11}$ $O^{1}$	Living Ro 4) d Soils (C	Se 	econdary Indicators (2 or more required) _ Water Marks (B1) (Riverine) _ Sediment Deposits (B2) (Riverine) _ Drift Deposits (B3) (Riverine) _ Drainage Patterns (B10) _ Dry-Season Water Table (C2) _ Crayfish Burrows (C8) _ Saturation Visible on Aerial Imagery (C3 _ Shallow Aquitard (D3) _ FAC-Neutral Test (D5)	
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedimen Drift Dej Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	Ches): GGY drology Indicators cators (minimum of e Water (A1) ater Table (A2) on (A3) tarks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: ter Present? Y Present? Y present? Y present? Y present? Y present? Y present? Y	rine) priverine) priverine) limagery (E /es /es /es	Salt Crust     Biotic Cru     Biotic Cru     Aquatic In     Hydrogen     Oxidized I     Presence     Recent Irc     Thin Mucl     Other (Ex     No Depth (in     No Depth (in     No Depth (in     nonitoring well, aerial	t (B11) ist (B12) ivertebrate Sulfide O Rhizosphe of Reduct on Reduct (Surface plain in Re aches): aches): photos, pi	dor (C1) eres along ed Iron (C4 ion in Tille (C7) emarks) O <sup>(1)</sup> O <sup>(1)</sup> O <sup>(2)</sup> revious ins	Living Rc 4) d Soils (C 	bots (C3)	econdary Indicators (2 or more required) _ Water Marks (B1) (Riverine) _ Sediment Deposits (B2) (Riverine) _ Drift Deposits (B3) (Riverine) _ Drainage Patterns (B10) _ Dry-Season Water Table (C2) _ Crayfish Burrows (C8) _ Saturation Visible on Aerial Imagery (C9) _ Shallow Aquitard (D3) _ FAC-Neutral Test (D5)	

WETLAND DETERMINATION DATA FORM – Arid West Region $W-23$
Project/Site: <u>COULINSVILLE</u> City/County: <u>Suisun City/Salano</u> sampling Date: <u>July/2,2021</u> Applicant/Owner: <u>LS POWER</u> State: <u>CA</u> Sampling Point: <u>SP-2</u>
Applicant/Owner: LS POWER State: CA Sampling Point: SP-2
Investigator(s): CYROPRIGHEZ + S. WELLS Section, Township, Range: 3NIEZ3
Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): none Slope (%): 22.5
Subregion (LRR): C Lat: 38.082501 Long: -121.839900 Datum: NMD 1983
Soil Map Unit Name: PLABLO - AYAR CLAYS, 2to 9 th Roper NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sampled Area
Hydric Soil Present? Yes No Hydric Soil Present? Yes No
Wetland Hydrology Present?     Yes     No     Yes     No       Remarks:     No     Yes     No     Yes

## VEGETATION – Use scientific names of plants.

	Absolute	Dominant Indicator	Dominance Test worksheet:
1		Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 3			Total Number of Dominant (B)
4	0	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1/	_		Prevalence Index worksheet:
2			Total % Cover of:Multiply by:
3.			OBL species x 1 =
4.			FACW species x 2 =
5			FAC species x 3 =
с Г	0	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	14		UPL species x 5 =
1. Used grass	-95		Column Totals: (A) (B)
3. Dead Sticks/times (no parto trip)	30		Prevalence Index = B/A =
4. Introtally Drossica			Hydrophytic Vegetation Indicators:
5			Dominance Test is >50%
6. Dead progranceae	25		Prevalence Index is ≤3.0 <sup>1</sup>
7			Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8	TAD	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	100		
1/			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum % Cover	-	= Total Cover	Hydrophytic Vegetation Present? Yes No
Remarks: All plants are dead. Prossicane	-> for V	). ! hansed (m Bisoria. * Raph	est upland spp. ) Officaroica are FAC U rugna 2 anno suturo ? ? Propagny.

	ription: (Describe to Matrix		Redo	x Features	or comm	in the absence of i	ndicators.)	
Depth inches)	Color (moist)	%  DD	Color (moist)		Loc <sup>2</sup>		Remarks	
			4					
une son in	ncentration, D=Deplet	tion, RM=I	Reduced Matrix, CS RRs, unless othe	S=Covered or Coal rwise noted.)	ed Sand G	rains. <sup>2</sup> Location Indicators for	on: PL=Pore Lining, M= Problematic Hydric S	
Histosol (	A1) pedon (A2)	tion, RM=I ble to all L	RRs, unless other	<b>rwise noted.)</b> ox (S5) atrix (S6)	ed Sand G	Indicators for 1 cm Muck 2 cm Muck	Problematic Hydric S (A9) (LRR C) (A10) (LRR B)	
Histosol ( Histic Epi Black His Hydroger Stratified	A1) pedon (A2)	ole to all L	.RRs, unless other Sandy Red Stripped Ma Loamy Muc Loamy Gley Depleted M	rwise noted.) ox (S5) atrix (S6) cky Mineral (F1) yed Matrix (F2) latrix (F3)	ed Sand G	Indicators for 1 cm Muck 2 cm Muck Reduced N Red Paren	Problematic Hydric S (A9) (LRR C)	
Histosol ( Histic Epi Black His Hydroger Stratified 1 cm Mud Depleted Thick Da Sandy M Sandy G	A1) pedon (A2) tic (A3) n Sulfide (A4) Layers (A5) (LRR C) ok (A9) (LRR D) Below Dark Surface rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4)	)	.RRs, unless other Sandy Red Stripped Ma Loamy Muc Loamy Gley Depleted M Redox Dark Depleted D	rwise noted.) ox (S5) atrix (S6) cky Mineral (F1) yed Matrix (F2) latrix (F3) k Surface (F6) ark Surface (F7) ressions (F8)	ed Sand G	Indicators for 1 cm Muck 2 cm Muck Reduced N Red Parer Other (Exp <sup>3</sup> Indicators of h wetland hyde	Problematic Hydric S (A9) (LRR C) (A10) (LRR B) /ertic (F18) tt Material (TF2)	ioils <sup>3</sup> :
Histosol ( Histic Epi Black His Hydroger Stratified 1 cm Mud Depleted Thick Da Sandy M Sandy G	A1) pedon (A2) tic (A3) n Sulfide (A4) Layers (A5) (LRR C) ck (A9) (LRR D) Below Dark Surface rk Surface (A12) ucky Mineral (S1)	) (A11)	.RRs, unless other Sandy Red Stripped Ma Loamy Muc Loamy Gley Depleted M Redox Darl Depleted D Redox Dep	rwise noted.) ox (S5) atrix (S6) cky Mineral (F1) yed Matrix (F2) latrix (F3) k Surface (F6) ark Surface (F7) ressions (F8)	ed Sand G	Indicators for 1 cm Muck 2 cm Muck Reduced N Red Parer Other (Exp <sup>3</sup> Indicators of h wetland hyde	Problematic Hydric S (A9) (LRR C) (A10) (LRR B) /ertic (F18) at Material (TF2) olain in Remarks) ydrophytic vegetation a rology must be present	ioils <sup>3</sup> :

#### HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; cl	neck all that apply)	Secondary Indicators (2 or more required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1) (Nonriverine)</li> <li>Sediment Deposits (B2) (Nonriverine)</li> <li>Drift Deposits (B3) (Nonriverine)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B7)</li> <li>Water-Stained Leaves (B9)</li> </ul>	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living F</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled Soils</li> <li>Thin Muck Surface (C7)</li> <li>Other (Explain in Remarks)</li> </ul>	Crayfish Burrows (C8)
Field Observations:         Surface Water Present?       Yes No _         Water Table Present?       Yes No _         Saturation Present?       Yes No _         (includes capillary fringe)       No         Describe Recorded Data (stream gauge, monitor)	✓ Depth (inches):` ✓ Depth (inches):` W	/etland Hydrology Present? Yes No
Remarks: Cleand clead view to ! Burkows but not surface	both at soil surface, cre soil crades.	UMBLY SOIL by CLODS + GREVICES+

roject/Site: LILAINSNIUE		City/C		Sampling Date: 07-02-
pplicant/Owner:				State: Sampling Point: <u>SP-1</u>
vestigator(s): <u>SIMFAAC CY-PODP1(b)</u>	DEL_	Sectio	on, Township, R	lange: <u>23 3N E</u>
andform (hillslope, terrace, etc.):				
		38.	082570	Long: -121, 842914 Datum: NAD 19;
oll Map Unit Name: Jonnera Muchy Cla	M			NWI classification:
re climatic / hydrologic conditions on the site typical for	this time of ye	ar? Y	es <u>V</u> No	(If no, explain in Remarks.)
re Vegetation, Soil, or Hydrology	_ significantly	distur	oed? Are	e "Normal Circumstances" present? Yes 🔀 No
re Vegetation, Soll, or Hydrology	_ naturally pro	blema		needed, explain any answers in Remarks.)
UMMARY OF FINDINGS – Attach site ma	p showing	sam	pling point	locations, transects, important features, etc.
Hydric Soll Present? Yes X	No No		is the Sample within a Wetla	
Wetland Hydrology Present? Yes	<u> </u>			
Remarks: Sandy soils. Large, day pondy soil smoter of NWI Hereit	out cui	A a	rea to strong u	the Northwat - NWI freshwater reducators of productive vegetation wil: likely ladering prychology drie
EGETATION – Use scientific names of pla			dry read	m + bandly soil.
	Absolute		inant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	<u>% Cover</u>	Spec	cies? Status	- Number of Dominant Species /
				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				. Species Across All Strata: (B)
*	0	_ = Tot	al Cover	Percent of Dominant Species         That Are OBL, FACW, or FAC:
,				Prevalence Index worksheet:
2				Total % Cover of:Multiply by:
3				OBL species x 1 =
ł	·······			FACW species x 2 =
ž	<u> </u>	·	····	FAC species x 3 =
lerb Stratum (Plot size:)		_ = 10t	al Cover	FACU species         x 4 =           UPL species         x 5 =
1. DISTEMILIS SPICATA	50		1 FAC	Column Totals: (A) (B)
2. Hereno the cal grandiflora.	<u> </u>	4	<u> </u>	-
Bromus diandros		<u> </u>	<u> </u>	Prevalence Index = B/A =
(MKnown spp. #1 (trigs)		$-\sum_{i=1}^{n}$	/	Hydrophytic Vegetation Indicators:
, unknown spp. #2 (grass)	6	$- \Gamma$	¥	Dominance Test is >50% Prevalence Index is ≤3.0 <sup>1</sup>
۶ ۲			······································	Prevalence index is \$3.0 Morphological Adaptations <sup>1</sup> (Provide supporting
7				data in Remarks or on a separate sheet)
	70	= Tot	al Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
<u>Noody Vine Stratum</u> (Plot size:) I		-		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
			<u> </u>	-
6	ver of Blotic C	-	al Cover ()	Hydrophytic Vegetation Present? Yes No
& Bare Ground in Herb Stratum				
				o (dead) plants & one partially live beds, sand.

SOIL
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W-24	

Depth	cription: (Describe Matrix	to the dep		x Feature		0, 00, 11, 11		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-9,5	7.548.312	95	75 YR 5/8	5	. <u> </u>	M	Sanly	coated sand grains
5-16	10YR 3/3	97	54R-5/8'	3	C	M	Sandy	
			•				1	
ydric Soll Histoso		bietion, RM bietion all	LRRs, unless other	rwise not ox (S5) - <sup>d</sup>	ted.) (annan		Indicators	cation: PL=Pore Lining, M=Matrix. for Problematic Hydric Solls <sup>3</sup> : Muck (A9) (LRR C)
	pipedon (A2)		Stripped Ma Loamy Muc				<i>L</i> oill i	Muck (A10) (LRR B) ced Vertic (F18)
	listic (A3) en Sulfide (A4)		Loamy Muc					arent Material (TF2)
	d Layers (A5) (LRR	C)	Depleted M					(Explain in Remarks)
	uck (A9) (LRR D)	,	Redox Dark					•
	d Below Dark Surfac	ce (A11)	Depleted D	ark Surfa	ce (F7)			
	ark Surface (A12)		Redox Dep		(F8)			of hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Pool	ls (F9)				hydrology must be present,
	Gleyed Matrix (S4)						unless d	listurbed or problematic.
	Layer (if present):							
	· ·							· · · · · ·
Depth (in emarks:		-the .	first soil .	layer	, when	e cont		Present? Yes X No
emarks: Motivy	5 basel on cln oddite	-thu . wi, a	first soil . feur conte	loyer	s when	e contr grain		Present? Yes <u>No</u> No <u>build</u>
emarks: Motruż DROLC	5 basel on cln oddite		first soil	loyer	s when sound	e coni grain		
emarks: ۲۵۲۷۰۶ ۲DROLC	5 basel on chr addite DGY vdrology Indicators	τ			, when sound	e conte grain	entrations s were	where within a observed up brand lon
temarks: ۲ ۲ DROLC Vetland Hy rimary Indi	5 Jussel on chr odditu DGY rdrology Indicators	τ	d; check all that appl	y)	, when sound	e cons grain	entrations s were Seco	ndary Indicators (2 or more required)
temarks: YDROLC Vetland Hy rimary Indi Surface	5 Stavel on chn odditu DGY vdrology Indicators icators (minimum of o Water (A1)	τ	d; check all that appl Salt Crust	y) (B11)	s when sound	e cont grain	<u>s</u> went.	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine)
emarks:	5 Studed on chr additu DGY vdrology Indicators icators (minimum of Water (A1) ater Table (A2)	τ	d; check all that appl Salt Crust Biotic Crus	y) (B11) st (B12)		e coni grain	<u>s</u> nytrit	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Vetland Hy Image Surface Saturation	5 Studed on chr additu DGY vdrology Indicators icators (minimum of o Water (A1) ater Table (A2) ion (A3)	: one require	d; check all that appl Salt Crust Biotic Crus Aquatic In	y) (B11) st (B12) vertebrate	es (B13)	e contr grain	<u>s</u> were <u>s</u> were <u>s</u> secon <u>s</u> secon <u>s</u> secon <u>s</u> secon <u>s</u> secon <u>s</u> secon	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Primary Indi Control of the second s	5 Studed on chr additu OGY rdrology Indicators icators (minimum of a Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive	: one require rine)	d; check all that appl Salt Crust Biotic Crus Aquatic In Hydrogen	y) (B11) st (B12) vertebrate Sulfide C	es (B13) 0dor (C1)		<u>entrations</u> s <u>went</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>S</u> <u>S</u> <u>S</u> <u>S</u> <u>S</u> <u>S</u> <u>S</u> <u>S</u> <u>S</u> <u>S</u>	ndary Indicators (2 or more required) Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
emarks:	5 Study on chr additu OGY Indrology Indicators Indrology Indicators Index (Minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivel int Deposits (B2) (No	: one require rine) onriverine)	d; check all that appl Salt Crust Biotic Crus Aquatic In Hydrogen Oxidized F	y) (B11) st (B12) vertebrate Sulfide C Rhizosphe	es (B13) odor (C1) eres along	Living Roc	<u>entratans</u> <u>s notrat</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Seco</u>	ndary Indicators (2 or more required) Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
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Arrian Content of the second o	5 fixed on ch addition OGY redrology Indicators icators (minimum of a Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver on Deposits (B2) (No posits (B3) (Nonriver esoil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present? Present? Present?	rine) onriverine) onriverine) arine) Imagery (B Yes Yes Yes Yes	d; check all that appl 	y) (B11) st (B12) vertebrate Sulfide C Rhizosphe of Reduct on Reduct (Surface plain in R aches): ches): photos, p	es (B13) odor (C1) eres along ed iron (C tion in Tille (C7) emarks) O ' O ' revious inst	Living Roc 4) d Soils (Ce 	entrations 3 noted 3 noted 3 noted 5 Secon 2 S 2 S 2 S 2 S 2 S 3 S 2 S 3 S 2 S 3 S 2 S 3 S 3 S 4 S 4 S 5 S 5 S 5 S 5 S 5 S 5 S 5 S 5	where within a offerwed by Annal Len Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Drayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)

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(W - 24)
WETLAND DETERMINATION DATA FORM – Arid West Region
Project/Site: COUNSVILLE City/County: SOVAND Sampling Date: JULY 2, 2021
Applicant/Owner: LS POWER State: CA Sampling Point: SP-2
Investigator(s): <u>S.WELLS + C.Y. ROORIGUEE</u> Section, Township, Range: <u>3NIE 23</u>
Landform (hillslope, terrace, etc.):       Slope for the started start
Subregion (LRR): Lat: 38.082549 Long: -121.842681 Datum: NAP 1983
Soil Map Unit Name: Tamba multy cling, M4416 NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes K No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes       No       X       Is the Sampled Area         Hydric Soil Present?       Yes       No       Ves       Is the Sampled Area         Wetland Hydrology Present?       Yes       No       Ves       No
Remarks:

VEGETATION – Use scientific names of plants.

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	Absolute Dominant Indicator	Dominance Test worksheet:
	<u>% Cover, Species? Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2		Total Number of Dominant
3		Species Across All Strata: (B)
4	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
1		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
4	· · · · · · · · · · · · · · · · · · ·	FACW species x 2 =
5	·	FAC species x 3 =
	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:) // Must	N 10 AL	UPL species x 5 =
1. Dead Annual grass- (Avenasp.)		Column Totals: (A) (B)
2. Distignilis SPICATA	5 N FAC	
3. BRASSICA SP.		Prevalence Index = B/A =
4. Dend STICKS + BRANCHES	<u> </u>	Hydrophytic Vegetation Indicators:
5,		Dominance Test is >50%
6		Prevalence Index is ≤3.0 <sup>1</sup>
7		Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Piot size: X)	= Total Cover	
1,		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2		be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum 5 % Cover	= Total Cover	Hydrophytic Vegetation
		Present? Yes No X
Remarks:		· · · · · ·

	ription: (Describe	to the dept	h needed to document the indicator or conf	irm the absence o	of indicators.)
Depth inches)	Matrix Color (moist)		Redox Features Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture	/ Remarks
0-15	2.543/2	100		Sucho	i
	•	+		······	
				<u> </u>	
		<u> </u>	-		
		•			
(DA) C=C	oncentration D=Der	letion RM=	Reduced Matrix, CS=Covered or Coated Sand	Grains. <sup>2</sup> l oca	ation: PL=Pore Lining, M=Matrix.
			.RRs, unless otherwise noted.)		or Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Redox (S5)		uck (A9) (LRR C)
	pipedon (A2)		Stripped Matrix (S6)		uck (А10) (LRR В)
-	istic (A3)		Loamy Mucky Mineral (F1)		d Vertic (F18)
	en Sulfide (A4)	~	Loamy Gleyed Matrix (F2)		rent Material (TF2)
	d Layers (A5) (LRR ) Jok (A9) (LRR D)	6)	Depleted Matrix (F3) Redox Dark Surface (F6)		Explain in Remarks)
	uck (A9) ( <b>LRR D</b> ) d Below Dark Surfac	ο (A11)	Depleted Dark Surface (F7)		
	ark Surface (A12)		Redox Depressions (F8)	<sup>a</sup> Indicators o	of hydrophytic vegetation and
-	Aucky Mineral (S1)		Vernal Pools (F9)		ydrology must be present,
	Bleyed Matrix (S4)			unless dis	sturbed or problematic.
strictive	Layer (if present):				
Туре:					$\checkmark$
Depth (in	ches):			Hydric Soil I	Present? Yes No /
emarks:				•	
					- - -
DROLO					
DROLO etland Hy	drology Indicators		- check all that apply)	Secon	dary Indicators (2 or more required)
DROLO etland Hy imary Indi	drology Indicators cators (minimum of c		; check all that apply)		dary Indicators (2 or more required)
DROLO etland Hy imary Indi _ Surface	drology Indicators cators (minimum of o Water (A1)		Salt Crust (B11)	W	ater Marks (B1) (Riverine)
DROLO etland Hy imary Indi _ Surface _ High Wa	drology Indicators cators (minimum of o Water (A1) ater Table (A2)		Salt Crust (B11) Biotic Crust (B12)	W	ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> )
DROLO etland Hy imary Indi _ Surface _ High Wa _ Saturati	drology Indicators cators (minimum of o Water (A1) ater Table (A2) on (A3)	one required	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Wi Se Dr	ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine)
DROLO etland Hy imary Indi _ Surface _ High Wa _ Saturati _ Water M	drology Indicators: cators (minimum of d Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver	one required	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Wi Se Dr Dr	ater Marks (B1) ( <b>Riverine</b> ) diment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10)
DROLO etland Hy imary Indi _ Surface _ High Wi _ Saturati _ Saturati _ Water M _ Sedime	drology Indicators: cators (minimum of d Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (No	<u>one required</u> rine) pariverine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> </ul>	Wi Se Dr Dr Roots (C3) Dr	ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine)</b> ift Deposits (B3) ( <b>Riverine)</b> ainage Patterns (B10) y-Season Water Table (C2)
DROLO etland Hy imary Indi _ Surface _ High Wa _ Saturati _ Water N _ Sedime _ Drift De	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) farks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive	<u>one required</u> rine) pariverine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> <li>Presence of Reduced Iron (C4)</li> </ul>	Wi Se Dr Dr Roots (C3) Dr Cr	ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8)
DROLO etland Hy mary Indi Surface High Wa Saturati Saturati Water N Sedime Drift De Surface	drology Indicators: cators (minimum of e Water (A1) ater Table (A2) on (A3) farks (B1) (Nonrive nt Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6)	one required rine) onriverine) erine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled Soils</li> </ul>		ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8)
DROLO etland Hy mary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundat	drology Indicators cators (minimum of o Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial	one required rine) onriverine) erine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled Soils</li> <li>Thin Muck Surface (C7)</li> </ul>		ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9
DROLO etland Hy mary Indi Surface High Wa Saturati Saturati Water N Sedime Drift De Surface Inundat Water-S	drology Indicators: cators (minimum of e Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9)	one required rine) onriverine) erine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled Soils</li> </ul>		ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)
DROLO etland Hy imary Indi _ Surface _ High Wi _ Saturati _ Water M _ Sedime _ Drift De _ Drift De _ Surface _ Inundat _ Water-S eld Obser	drology Indicators: cators (minimum of e Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) vations:	one required rine) onriverine) erine) Imagery (B7	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled Soils</li> <li>Thin Muck Surface (C7)</li> </ul>		ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)
DROLO etland Hy imary Indi _ Surface _ High Wa _ Saturati _ Water N _ Sedime _ Drift De _ Drift De _ Surface _ Inundat _ Water-S eld Obser	drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) <b>vations:</b> ter Present?	one required porriverine) erine) Imagery (B7	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)		ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)
DROLO etland Hy imary Indi _ Surface _ High Wa _ Saturati _ Water N _ Sedime _ Drift De _ Drift De _ Surface _ Inundat _ Water-S eld Obser ater Table ater Table	drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) vations: ter Present? Present? pillary fringe)	one required ponriverine) erine) Imagery (B7 Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils NoDepth (inches): NoDepth (inches): NoDepth (inches): NoDepth (inches): NoDepth (inches):	Wi Se Dr Dr Dr Dr (C6) Sr Sr FA	ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
DROLO etland Hy imary Indi _ Surface _ High Wa _ Saturati _ Water N _ Sedime _ Drift De _ Drift De _ Surface _ Inundat _ Water-S eld Obser ater Table aturation F coludes ca	drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) vations: ter Present? Present? pillary fringe)	one required ponriverine) erine) Imagery (B7 Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Wi Se Dr Dr Dr Dr (C6) Sr Sr FA	ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
DROLO etland Hy imary Indi _ Surface _ High Wa _ Saturati _ Water N _ Sedime _ Drift De _ Drift De _ Surface _ Inundat _ Water-S eld Obser ater Table ater Table	drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) farks (B1) (Nonriver nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) vations: ter Present? Present? pillary fringe)	one required ponriverine) erine) Imagery (B7 Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living I Presence of Reduced Iron (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Wi Se Dr Dr Dr Dr (C6) Sr Sr FA	ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)

	ETERMINATION DATA FORM – Arid West Region
Project/Site: Collinsville	City/County: SO ano Sampling Date: 07-53-24
Applicant/Owner: US POWEN	State: CA Sampling Point: SP-1
Investigator(s): SWELLS, CYROding	VEB         Section, Township, Range:         23 3 N         1E           Local relief (concave, convex, none):         NMPL         Slope (%):         Slope (%):           Lat:         38,082470         Long:         121,841899         Datum:         NAD 198
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none): Slope (%):
Subregion (LRR):	Lat: 38,082470 Long: -121, 841899 Datum: NAD 198
Soil Map Unit Name: TAMBA MUCKY CLA	1, MLRA16 NWI classification:
Are climatic / hydrologic conditions on the site typical	for this time of year? Yes No (If no, explain in Remarks.)
An Manatatian Call or Hudrology	significantly disturbed? Are "Normal Circumstances" present? Yes No
Are vegetation, Soil, or Hydrology	
Are Vegetation, Soil, or Hydrology Are Vegetation, Soil, or Hydrology	
Are Vegetation, Soil, or Hydrology	
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.) map showing sampling point locations, transects, important features, etc.
Are Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS – Attach site r	naturally problematic? (If needed, explain any answers in Remarks.)

1.

## VEGETATION - Use scientific names of plants.

<u>Tree Stratum</u> (Plot size:) 1)	Absolute Dominant Indicator <u>% Cover Species?</u> Status	Dominance Test worksheet:           Number of Dominant Species           That Are OBL, FACW, or FAC:
2 3 4		Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	= Total Cover	That Are OBL, FACW, or FAC: (A/B)
1		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
4		FACW species x 2 =
5		FAC species x 3 =
	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)		UPL species x 5 =
1. Rumex crispus 2. Distichilis spicata	- 5 N FAC	- Column Totals: (A) (B)
3. Bulboschoenus manitimus	30 7 082	Prevalence Index = B/A =
4		Hydrophytic Vegetation Indicators:
5.		Dominance Test is >50%
6		Prevalence Index is ≤3.0 <sup>1</sup>
7		Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	<u> </u>	
1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		-
% Bare Ground in Herb Stratum % Cove	r of Biotic Crust	Hydrophytic Vegetation Present? Yes <u>No</u> No
Remarks: Vegetotion in plut is very vernaining plant Maraeteristic	dry and degrade cs.	d; vegetation ID'd based on

Profile Des	cription: (Describe t	to the dep	oth needed t	o docur	nent the	indicator	or confirm	n the absence	e of indicators.)
Depth	Matrix				x Feature				
(inches)	Color (moist)	%	Color (m	4	_%	Type'	Loc	Texture	Remarks
0-8.5	LOYR 3/4	99	IOYR	5/8		C	m	Sand	
8.5-16	7.54r 25/3	96	SYR C	Vle	A	<u>c,cs</u>	Μ	Sound	has covered sand grain paste-like
		_							
ype: C=C	oncentration, D=Depl Indicators: (Application)	etion, RM	=Reduced M	atrix, CS	S=Covere	d or Coate	ed Sand G	rains. <sup>2</sup> Lo	s for Problematic Hydric Soils <sup>3</sup> :
Black H Hydroge Stratifie 1 cm Mu Deplete Thick D Sandy M Sandy (	I (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) (LRR O uck (A9) (LRR D) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Layer (if present):	1.00	Stri Loa Dep Rec Dep Rec	amy Muc amy Gley bleted M dox Dark bleted Da	atrix (S6) ky Minera ved Matrix atrix (F3) s Surface ark Surface ressions	(F2) (F6) ce (F7)		2 cm Redu Red F Other <sup>3</sup> Indicators wetland	Muck (A9) (LRR C) Muck (A10) (LRR B) ced Vertic (F18) Parent Material (TF2) (Explain in Remarks) s of hydrophytic vegetation and hydrology must be present, disturbed or problematic.
Type: Depth (in	iches):							Hydric Soi	I Present? Yes No 🗡
Type: Depth (in	iches):							Hydric Soi	I Present? Yes No
Type: Depth (in emarks:								Hydric Soi	I Present? Yes No
Type: Depth (in Remarks:								Hydric Soi	I Present? Yes No
Type: Depth (in Remarks: YDROLO Vetland Hy Primary India	GY drology Indicators: cators (minimum of or	ne require			Sec. 1				I Present? Yes No
Type: Depth (in Remarks: YDROLO Vetland Hy Primary India Surface High Wa Saturati Saturati Sedimen Drift Dep Surface Inundati	OGY drology Indicators: cators (minimum of or Water (A1) ater Table (A2)	ne) nriverine) ine)	Sa Bi Ac Oy Oy Pr Re 37) Th	alt Crust otic Crus quatic Inv drogen kidized R esence o ecent Iro in Muck	(B11) at (B12) vertebrate Sulfide O Rhizosphe of Reduce	dor (C1) eres along ed Iron (C4 ion in Tille (C7)	4)	<u>Seco</u> V S C C C C S S S	
Type: Depth (in Remarks: //DROLO //etland Hy //imary India Surface High Wa Saturati Saturati Saturati Saturati Surface Drift Dep Surface Inundati Water-S	Adrology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9)	ne) nriverine) ine)	Sa Bi Ac Oy Oy Pr Re 37) Th	alt Crust otic Crus quatic Inv drogen kidized R esence o ecent Iro in Muck	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct n Reduct Surface	dor (C1) eres along ed Iron (C4 ion in Tille (C7)	4)	<u>Seco</u> V S C C C C S S S	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3)
Type: Depth (in Remarks: YDROLO Vetland Hy rimary India Surface High Wa Saturati Water N Sedimer Drift Dep Surface Inundati Water-S ield Obser Surface Wate Vater Table Saturation P ncludes ca	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nor posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) vations: ter Present? Ye	ne) nriverine) ine) magery (B es es es		alt Crust otic Crus quatic Inv rdrogen kidized R esence of ecent Iro in Muck her (Exp epth (inc epth (inc	(B11) et (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reduct Surface dain in Re ches): ches): ches):	dor (C1) eres along ed Iron (C4 ion in Tiller (C7) emarks)	4) d Soils (C6	<u>Seco</u> V S C C C C C C S S S S S S	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3)

	W-Z6
WETLAND DETERMINATION D	ATA FORM – Arid West Region
Project/Site: <u>COLLINSVILLE</u> City/Ca Applicant/Owner: <u>LS POWER</u> Investigator(s): <u>SY RODKIGMEZ + S. WELLS</u> Section Landform (hillslope, terrace, etc.): <u>Fot</u> Local Subregion (LRR): <u>C</u> Lat: <u>38</u> . <u>C</u> Soil Map Unit Name: <u>DIABLO - AMAR CLAYS</u> , <u>2</u> <del>La</del> <u>7</u> <del>2000</del> Are climatic / hydrologic conditions on the site typical for this time of year? Yea Are Vegetation <u>Soil</u> , or Hydrology significantly disturb Are Vegetation <u>Soil</u> , or Hydrology naturally problema <b>SUMMARY OF FINDINGS – Attach site map showing sam</b>	State: <u>A</u> Sampling Point: <u>SP</u> n, Township, Range: <u>3N   F 2Z</u> relief (concave, convex, none): <u>None</u> Slope (%): <u>S</u> <u>82-423</u> Long: <u>-121.844126</u> Datum: <u>NAP   483</u> <u>82-423</u> Long: <u>121.844126</u> Datum: <u>NAP   483</u> Long: <u>121.844126</u> Datum: <u>121.844126</u> Datum: <u>121.844126</u> Datum: <u>NAP   483</u> Long: <u>121.844126</u> Datum: <u>121.844126</u> Datum: <u>121.844126</u> Datum: <u>121.844126</u> Datum: <u>121.844126</u> Datum: <u>121.844126</u> Datum: <u>121.84416</u> Datum: <u>121.844166</u> Datum: <u>121.844166</u> Datum: <u>121.844166666</u> Datum: <u>121.84416666666666666666666666666666666666</u>
Hydrophytic Vegetation Present?     Yes     No       Hydric Soil Present?     Yes     No       Wetland Hydrology Present?     Yes     No	Is the Sampled Area within a Wetland? Yes No
Remarks:	
VEGETATION – Use scientific names of plants.	

	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum         (Plot size:)           1		Species? Status	Number of Dominant Species           That Are OBL, FACW, or FAC:
2			Total Number of Dominant
3			Species Across All Strata: (B)
4	Ø	= Total Cover	Percent of Dominant Species 100% (A/B)
1			Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3		·	OBL species x 1 =
4			FACW species x 2 =
5	- ch		FAC species x 3 =
2	p	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	70	V 50	UPL species x 5 =
1. DISTICHIUS SPICATA	13	X TAC	Column Totals: (A) (B)
2. HETEROTHERA GRANDIFLONGA	10		
3. durch grager (Festuce perinnis)?	300		Prevalence Index = B/A =
4. dead planches	500		Hydrophytic Vegetation Indicators:
5	0		Dominance Test is >50%
6			Prevalence Index is ≤3.0 <sup>1</sup>
7			Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8	20	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:X)	-00	= Total Cover	
1.			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.			be present, unless disturbed or problematic.
	/	= Total Cover	Hydrophytic Vegetation Present? Yes No
Remarks:			f f

11-26 SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Matrix **Redox Features** Depth Type<sup>1</sup> Color (moist) Color (moist) Loc<sup>2</sup> Texture % Remarks (inches) 0-UYR 2/1 an 2.57 Sand hard to SYR 3/2 Damy Sand SECOND CORE 3IN Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils<sup>3</sup>: 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) Reduced Vertic (F18) Loamy Mucky Mineral (F1) 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) <sup>3</sup>Indicators of hydrophytic vegetation and Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present, Sandy Gleyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inches): Hydric Soil Present? Yes Remarks: Sondy, Redox is not 290 second core to look at bottom layer Sin very red compared to middle low 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) Biotic Crust (B12) High Water Table (A2) Sediment Deposits (B2) (Riverine) Aquatic Invertebrates (B13) Saturation (A3) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Oxidized Rhizospheres along Living Roots (C3) Sediment Deposits (B2) (Nonriverine) 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? No \_\_\_\_ Depth (inches): Yes Water Table Present? Yes \_\_\_\_ No \_\_\_ Depth (inches): Saturation Present? Wetland Hydrology Present? Yes No Depth (inches): Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Elevational changes are public but seen to indicate trainage patterns including one channel/stream where the Dustrichilis is less green + close to NWI line, Approximately 1,000 fit from a 'dounstream' dried salt anot in reducater yound. Salt coust visible from pit location. US Army Corps of Engineers Swale - like valleys sloping down to the south. Arid West - Version 2.0

roject/Site: Collinsville		City/County:	Soland	Sampl	ing Date: $O7 - O3 - 2$ ing Point: $SP - 2$
pplicant/Owner: US POWC	the second se		State:	CA Sampl	ing Point: SP-&
nvestigator(s): <u>5. Weils</u> , <u>C.V.</u> andform (hillslope, terrace, etc.):	Fodnavez	Section, Tow	nship, Range:		
andform (hillslope, terrace, etc.):	Flot	Local relief (	concave, convex, none?	: None	Slope (%):
ubregion (LRR):C		Lat:	Long:		Datum: NAD 9
bil Map Unit Name: PIAOLO - A	TAR CLATS, 2!	is gozslopes	N	IWI classification:	
e climatic / hydrologic conditions on t	the site typical for this t	me of year? Yes 🖌	No (If no,	explain in Remarks	.)
e Vegetation, Soil, or	Hydrology sig	nificantly disturbed?	Are "Normal Circu	mstances" present	
e Vegetation, Soil, or	Hydrology nat	urally problematic?	(If needed, explain		/
UMMARY OF FINDINGS - A	Attach site map sl	nowing sampling			
hydrophytic Vegetation Present?	Yes X No	1. 4.	6		
ije oprijne i ogetaneti i recontri		Is the	Sampled Area		1
Hydric Soil Present?	Yes No	Xwithin	a Wetland?	YesN	in X

## VEGETATION - Use scientific names of plants.

Tree Stratum         (Plot size:)           1)		Dominance Test worksheet:           Number of Dominant Species           That Are OBL, FACW, or FAC:
2 3		Total Number of Dominant Species Across All Strata: (B)
4	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1		Prevalence Index worksheet:
2		Total % Cover of:Multiply by:
3		OBL species x 1 =
4		FACW species x 2 =
5.		FAC species x 3 =
	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	7- 11	UPL species x 5 =
1. Distichlis spicate 2. Rumex mispus	$\frac{75}{15} \frac{1}{N} \frac{FAC}{FAC}$	Column Totals: (A) (B)
3.		Prevalence Index = B/A =
4		Hydrophytic Vegetation Indicators:
5		Prevalence Index is $\leq 3.0^{1}$
6		
7		Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8 (Plot size:)	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1) 2		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum 4 % Cov	= Total Cover	Hydrophytic Vegetation Present? Yes No
Remarks:		
		ł

Profile Description: (Describe to the	e depth needed t			r or confirm	the absence of	Indicators.)	
Depth Matrix	6 Color (m	Redox Fea		1 2	Tanking		
Inches)		015() 7	6 Type'	Loc <sup>2</sup>	Texture	Remarks	
0-85 104R 2/1 10	0				SAND		
5-155 LOYE 3/2 9'	8 7.5YR	5/8	2 C	M,CS	SAND		
ype: C=Concentration, D=Depletion	, RM=Reduced M	atrix, CS=Cov	vered or Coat	ed Sand Gr	ains. <sup>2</sup> Locati	on: PL=Pore Lining, M=Matrix.	
ydric Soil Indicators: (Applicable t	to all LRRs, unle	ss otherwise	noted.)		Indicators for	r Problematic Hydric Soils <sup>3</sup> :	
Histosol (A1)		ndy Redox (S				k (A9) (LRR C)	
Histic Epipedon (A2)		pped Matrix (				k (A10) (LRR B)	
Black Histic (A3)		my Mucky Mi				Vertic (F18)	
_ Hydrogen Sulfide (A4)		amy Gleyed M				nt Material (TF2)	
_ Stratified Layers (A5) (LRR C)		pleted Matrix (			Other (Ex	plain in Remarks)	
_ 1 cm Muck (A9) (LRR D)		dox Dark Surf					
<ul> <li>Depleted Below Dark Surface (A1 Thick Dark Surface (A12)</li> </ul>		pleted Dark Si			<sup>3</sup> Indicators of I	avdrophytic vegetation and	
		Redox Depressions (F8)				<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present,	
	Voi	Vernal Pools (F9)				rology must be present	
Sandy Mucky Mineral (S1) Sandy Gleved Matrix (S4)	Ver	rnal Pools (F9	)		•		
Sandy Gleyed Matrix (S4)	Ver	rnal Pools (F9	)		•	rology must be present, rbed or problematic.	
Sandy Gleyed Matrix (S4) estrictive Layer (if present):	Ver	rnal Pools (F9	)		•		
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches):	Ver	rnal Pools (F9	)		unless distu		
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches):	Ver	rnal Pools (F9	)		unless distu	rbed or problematic.	
Sandy Gleyed Matrix (S4) testrictive Layer (if present): Type: Depth (inches): temarks: Sumby picts	Ver	rnal Pools (F9	)		unless distu	rbed or problematic.	
Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks: Survey sinds YDROLOGY Wetland Hydrology Indicators:			)		Unless distu	esent? Yes <u>No</u>	
Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks: Sundy girls YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re	equired; check all 1	that apply)			Unless distu Hydric Soil Pro	esent? Yes <u>No</u>	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches):  termarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one reSurface Water (A1)	equired; check all 1	that apply) alt Crust (B11)	)		Unless distu Hydric Soil Pro Secondar Wate	rbed or problematic.  esent? Yes <u>No</u> y Indicators (2 or more required) or Marks (B1) (Riverine)	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches): temarks:  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2)	equired; check all f	that apply) alt Crust (B11) otic Crust (B1	) 2)		Hydric Soil Pro	rbed or problematic. esent? Yes <u>No</u> y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine)	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches): temarks:  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3)	equired; check all f	that apply) alt Crust (B11) otic Crust (B1 quatic Invertet	) 2) prates (B13)		Unless distu Hydric Soil Pro Secondar Wate Sedin Drift	ry Indicators (2 or more required) ry Indicators (2 or more required) ry Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine)	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches):  temarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	equired; check all t Sa Bi Ac Hy	that apply) alt Crust (B11) otic Crust (B1 quatic Invertet ydrogen Sulfid	) 2) prates (B13) le Odor (C1)	Living Roo	Hydric Soil Pro	rbed or problematic. esent? Yes No y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10)	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches): temarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	equired; check all 1 Sa Bi Aa Hy rine)O	that apply) alt Crust (B11) otic Crust (B11) quatic Invertet ydrogen Sulfid xidized Rhizos	) 2) brates (B13) le Odor (C1) spheres along		Hydric Soil Pro	Pry Indicators (2 or more required) Pry Indicators (2 or more required) Pry Marks (B1) (Riverine) Prent Deposits (B2) (Riverine) Proposits (B3) (Riverine) Proposits (B3) (Riverine) Proposits (B10) Proposit	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches):  temarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one re  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver Drift Deposits (B3) (Nonriverine)	equired; check all 1 Sa Bi Ac Hy rine) O: Pr	that apply) alt Crust (B11) otic Crust (B1 quatic Invertet ydrogen Sulfid xidized Rhizos resence of Re	) 2) prates (B13) le Odor (C1) spheres along duced Iron (C	:4)	Hydric Soil Pro	ry Indicators (2 or more required) ry Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) fish Burrows (C8)	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches):  temarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one re	equired; check all f Si Bi Ai Hy rine) O: Pr Re	that apply) alt Crust (B11) otic Crust (B11) quatic Invertet ydrogen Sulfid xidized Rhizos resence of Re ecent Iron Rec	) 2) prates (B13) le Odor (C1) spheres along duced Iron (C duction in Tille	:4)	Hydric Soil Pro		
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches): temarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one re	equired; check all 1 Sa Bi Aa Hy rine) Or Re ery (B7) Th	that apply) alt Crust (B11) otic Crust (B11) quatic Invertet ydrogen Sulfid xidized Rhizos resence of Re ecent Iron Rec nin Muck Surfa	) 2) prates (B13) le Odor (C1) spheres along duced Iron (C duction in Tille ace (C7)	:4)	Hydric Soil Pro	ry Indicators (2 or more required) ry Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) fish Burrows (C8)	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches):  termarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one reSurface Water (A1)High Water Table (A2)Saturation (A3)Water Marks (B1) (Nonriverine)Sediment Deposits (B2) (Nonriverine)Drift Deposits (B3) (Nonriverine)Surface Soil Cracks (B6)Number of Leaves (B9)	equired; check all 1 Sa Bi Aa Hy rine) Or Re ery (B7) Th	that apply) alt Crust (B11) otic Crust (B11) quatic Invertet ydrogen Sulfid xidized Rhizos resence of Re ecent Iron Rec	) 2) prates (B13) le Odor (C1) spheres along duced Iron (C duction in Tille ace (C7)	:4)	Hydric Soil Pro	rbed or problematic. esent? Yes No ry Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS ow Aquitard (D3)	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches):  temarks:  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one re  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9)  Field Observations:	rine) Corr equired; check all 1 Sa Bi Aa Hy rine) Ot Ra ery (B7) Th Ot	that apply) alt Crust (B11) otic Crust (B11) quatic Invertet ydrogen Sulfid xidized Rhizos resence of Re ecent Iron Red in Muck Surfa her (Explain in	) 2) brates (B13) le Odor (C1) spheres along duced Iron (C duction in Tille ace (C7) n Remarks)	:4)	Hydric Soil Pro	rbed or problematic. esent? Yes No ry Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS ow Aquitard (D3)	
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type: Depth (inches): Remarks:  Sumby picts  YDROLOGY  Netland Hydrology Indicators: Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes	rine) Of Sa Bi Ac Hy rine) Of Pr Re ery (B7) Th Of	that apply) alt Crust (B11) otic Crust (B11) otic Crust (B1 quatic Invertet ydrogen Sulfid xidized Rhizos resence of Re- ecent Iron Rec ain Muck Surfa her (Explain in hepth (inches):	) 2) prates (B13) le Odor (C1) spheres along duced Iron (C duction in Tille ace (C7) n Remarks)	:4)	Hydric Soil Pro	rbed or problematic. esent? Yes No ry Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS ow Aquitard (D3)	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches):  temarks:  YDROLOGY  Vetland Hydrology Indicators: Primary Indicators (minimum of one re	rine) equired; check all 1 Si Bi No Pr Ri ery (B7) Th Ot No D	that apply) alt Crust (B11) otic Crust (B11) quatic Invertet ydrogen Sulfid xidized Rhizos resence of Re- ecent Iron Rec ain Muck Surfa her (Explain in hepth (inches):	) 2) prates (B13) le Odor (C1) spheres along duced Iron (C duction in Tille ace (C7) n Remarks)	4) ed Soils (C6	Hydric Soil Pro	ry Indicators (2 or more required) ry Indicators (B1) (Riverine) Indicators (B1) (Riverine) Indicators (B3) (Ri	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches):  temarks:  YDROLOGY  Vetland Hydrology Indicators: Primary Indicators (minimum of one re	rine) Sa Sa Sa Sa Sa Sa No Da No D No D No D	that apply) alt Crust (B11) otic Crust (B1 quatic Invertet ydrogen Sulfid xidized Rhizos resence of Re- ecent Iron Rec in Muck Surfa her (Explain in her (Explain in hepth (inches): hepth (inches):	) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2)	4) ed Soils (C6	Hydric Soil Pro	ry Indicators (2 or more required) ry Indicators (B1) (Riverine) Indicators (B1) (Riverine) Indicators (B3) (Ri	
Sandy Gleyed Matrix (S4)  testrictive Layer (if present):  Type: Depth (inches):  temarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one re	rine) Cry (B7) Cry Cr	that apply) alt Crust (B11) otic Crust (B11) quatic Invertet ydrogen Sulfid xidized Rhizos resence of Re- ecent Iron Rec in Muck Surfa her (Explain in hepth (inches): hepth (inches): hepth (inches):	) 2) prates (B13) le Odor (C1) spheres along duced Iron (C duction in Tille ace (C7) n Remarks)	4) ed Soils (C6	Hydric Soil Pro	ry Indicators (2 or more required) ry Indicators (B1) (Riverine) Indicators (B1) (Riverine) Indicators (B3) (Ri	

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Note:	W-277
the data sheet was revised on 11/25/24 to indicate it is not a wetland. See section 5.1 of the Aquatic <b>WETLAND DETERMINATION DATA FORM</b> Resources Delineation Report for more detail.	– Arid West Region
Project/Site: COLINS VILLE City/County: BIRPS	LANDING /SULAND Sampling Date: 17/3/2024
Applicant/Owner: LS POWER	State: CA Sampling Point: SP [
Investigator(s): S.WELLS + C.Y. RODRIGUEZ Section, Township, Ra	ange: <u>3N IE 72</u>
	convex, none): NimeSlope (%):
Subregion (LRR): C Lat: 38,081822	Long: 121.846953 Datum: 1983
Soil Map Unit Name: DIABLO - Ayar CIAYS 2ty 9 no stores	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _	
Are Vegetation, Soil, or Hydrology significantly disturbed? Are	"Normal Circumstances" present? Yes No
	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sample	SW ,
Hydric Soil Present? Vec V No	
Wetland Hydrology Present? Yes No X	•
Remarks: (16ma indicators of bydroplanghi vegetation - De	ydriv soil, July loding
Remarks: Stong indicators of hydrophylic verdation & Dr indicators of hydrology due to day season survey.	solow a NIN poroline Steam /
+ above NWI preprint energist notland.	pino.
VEGETATION – Use scientific names of plants.	
Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:) <u>% Cover</u> Species? Status	Number of Dominant Species
1	That Are OBL, FACW, or FAC: (A)
3.	Total Number of Dominant Species Across All Strata:
4	
Sapling/Shrub Stratum (Plot size:) = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:00/20 (A/B)
1	Prevalence Index worksheet:
2	Total % Cover of: Multiply by:
3	OBL species x 1 =
4	FACW species         x 2 =           FAC species         x 3 =
- Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	UPL species x 5 =
1. DISTICILLIS SPICATA 75 Y FAC 2. LEPIDIUM LATIFOLIUM, 5000 N FAC	Column Totals: (A) (B)
	Prevalence Index = B/A =
3. 1 Nead Stuke (Kumex aiopus) 200 N FAC 4. Dead Stucks (CENTAURIA SOLSTITIALIS) 500 Q	Hydrophytic Vegetation Indicators:
5. [ fPIDIUM CATIVOLUMI (drog) sticks)	Dominance Test is >50%
6.	Prevalence Index is ≤3.0 <sup>1</sup>
7	Morphological Adaptations <sup>1</sup> (Provide supporting
8	data in Remarks or on a separate sheet)
Weady Vine Stratum (Plot size)	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum         (Plot size:)         0 //           1	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
= Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Present? Yes <u>No</u>
Best gresses in operies for the dead states	Seems to prove Lepidium
O-t-O-Print Abil A. + C calibration and	to the Boundary.
Remarks: Best gresses on opecies for the dead states latifolium Middle + C. soldilialis could unle Vegetation of nearby uplands used for deliniation	v if nothing .
	<u> </u>

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SOIL					Sampling Point: SP-1	
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)						
Depth Matrix		Features	<u>}</u>	1 2		
(inches) Color (moist) %	Color (moist)	%`	_Type <sup>1</sup> _	Loc <sup>2</sup>	Texture Remarks	
0-3,5 10YR 2/2			<u></u>		SANDYLOAM	
3.5-12 10 YR 3/2 90	2.57 4/4	10	<u> </u>	M	SAND	
		<u> </u>				
12-14 MR26 93	10YR 4/4	7	<u> </u>	Μ	SANKO	
				<b>.</b>		
	1					
<sup>1</sup> Type: C=Concentration, D=Depletion, RM				d Sand G		
Hydric Soil Indicators: (Applicable to al	. /		ed.)		Indicators for Problematic Hydric Soils <sup>3</sup> :	
Histosol (A1)	🕺 Sandy Redo				1 cm Muck (A9) (LRR C)	
Histic Epipedon (A2)	Stripped Mat				2 cm Muck (A10) (LRR B)	
Black Histic (A3)	Loamy Muck	-			Reduced Vertic (F18)	
Hydrogen Sulfide (A4)	Loamy Gleye		(F2)		Red Parent Material (TF2) Other (Explain in Remarks)	
Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D)	Depleted Ma Redox Dark	• •	E6)			
Depleted Below Dark Surface (A11)	Depleted Da	•				
Thick Dark Surface (A12)	Redox Depr				<sup>3</sup> Indicators of hydrophytic vegetation and	
Sandy Mucky Mineral (S1)	Vernal Pools		0)		wetland hydrology must be present,	
Sandy Mideky Mineral (ST) Verhal roots (FS)					unless disturbed or problematic.	
Restrictive Layer (if present):						
Туре:					- 4	
Depth (inches):					Hydric Soil Present? Yes 📈 No	
Remarks: Sunty avil > low	s Amona (	<u>4</u> 2)	+ Ked	ne >	Z 94	

(M-rA)

## 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 Livi	ing 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 S	oils (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):						
Surface Water Present?       Yes No Depth (inches):         Water Table Present?       Yes No Depth (inches):						
Saturation Present? Yes No2 Depth (inches):	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	ctions), if available:					
Remarks: No obvious Salt anot montry V lush, to the	· South E > NWI Freehrater					
For ment Willeman U vygeranne						
Willing 4:00 mitland deviding lading industors of witland bydrology						
Remarks: No obvious Salt and nearby Vlush, to the South & > NWI Freedmoten Emergent Willand, periodically lading industria of wetland bydrolocogog due to dry reason survey.						
US Army Corps of Engineers	Arid West Version 2.0					

		J-28
		-
Project/Site: <u>CollinsVille</u>	City/County:	5 AND Sampling Date: 67-08-24
Applicant/Owner: US POWEY		State: CAT Sampling Point: SP
nvestigator(s): Sidney Wells , Christing R	adviguez Section, Township	, Range: JN IEZZ
andform (hillslope, terrace, etc.):		ave, convex, none): Slope (%):
Subregion (LRR):		Long: -121. 84830 Datum: NAP 193
		NWI classification:
Are climatic / hydrologic conditions on the site typical for the	1	
Are Vegetation, Soil, or Hydrology		Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology		(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sampling poi	nt locations, transects, important features, etc.
11. J.	Ne	1
	No Is the Sam	
	No within a W	etland? Yes / No
Remarks:		
/EGETATION – Use scientific names of pla		
Tree Chartery (Distained	Absolute Dominant Indica % Cover Species? Statu	
Tree Stratum (Plot size:)		Number of Dominant Species 7 (A)
1		
23		Total Number of Dominant Species Across All Strata:2(B)
4.		
	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
Sapling/Shrub Stratum (Plot size:)		Prevalence Index worksheet:
1		
3		OBL species x1 =
4		FACW species x 2 =
5		FAC species x 3 =
	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	_/	UPL species x 5 =
1. Conium maculatum	<u>35 Y FAC</u>	Column Totals: (A) (B)
2. Arteme douglasiana	<u>15 Y FAC</u>	<u>·</u>
3		Prevalence Index = B/A =
4		Hydrophytic Vegetation Indicators:
5		
6		Prevalence Index is <3.0 <sup>1</sup>
7		<ul> <li>Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
8	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)		
1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2		be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum % Cove	er of Biotic Crust	Hydrophytic Vegetation Present? Yes <u>No</u>

Remarks:

		7					•	10-28	J
SOIL								Sampling Point: <u>SP-/</u>	
Profile Desc	ription: (Describe	to the dep	th needed to docu	ment the i	indicator	or confirm	n the absence	e of indicators.)	
Depth	Matrix			x Feature					
(inches)	Color (moist)		Color (moist)	%	Type'	Loc <sup>2</sup>	Texture	Remarks	-
0-4	7.54R 3/2	100	3		·	·	Saloan	^	
4-11.5	10/12/2	70	2.54F 4/6	30	C	PL/M	SiClar		-
			×.				• 0	3 · · · · · · · · · · · · · · · · · · ·	
115-155	154R 2/1	96	54R 3/4	11	<u> </u>	PL/M	Clau		
11.5 100	<u>i-u- n</u>	<u> </u>	- 11- 71	-	<u> </u>		Ching		
	2						`		
· <u></u> .									
		·							
<sup>1</sup> Type: C=Co	oncentration, D=Depl	letion, RM:	Reduced Matrix, C	S=Covered	d or Coat	ed Sand Gr	rains. <sup>2</sup> Lo	cation: PL=Pore Lining, M=Matrix.	
Hydric Soil I	ndicators: (Applica	able to all	LRRs, unless othe	rwise not	ed.)		Indicators	s for Problematic Hydric Soils <sup>3</sup> :	
Histosol	(A1) .		Sandy Red	ox (S5)				Muck (A9) (LRR C) -	1 2.3
	ipedon (A2)		Stripped Ma					Muck (A10) (LRR B)	
	stic (A3)		Loamy Muc					ced Vertic (F18)	-
	n Sulfide (A4) I Layers (A5) ( <b>LRR C</b>	->	Loamy Gley		(F2)			Parent Material (TF2) (Explain in Remarks)	
	ck (A9) (LRR D)	•)	Redox Dark		(F6)			(Explain in Remarks)	
	Below Dark Surface	e (A11)	Depleted D		8 8				
7	rk Surface (A12)	<b>、</b>	Redox Dep				<sup>3</sup> Indicators	of hydrophytic vegetation and	
	lucky Mineral (S1)		Vernal Poo	ls (F9)			wetland	hydrology must be present,	
A	leyed Matrix (S4)						unless o	disturbed or problematic.	
Restrictive L	ayer (if present):								
Type:							Livelain Cai	I Present? Yes No	
Depth (inc		0.0			Sec. 2 article			to heath concerns from	_
poisonou	is plants (Co	nium i	maculation)	•	3				
HYDROLO	GY -						4		
Wetland Hyd	Irology Indicators:								
Primary Indic	ators (minimum of or	ne required	l; check all that appl	y)			Seco	ndary Indicators (2 or more required)	
Surface \	Water (A1)		X Salt Crust	(B11)			<u> </u>	Water Marks (B1) (Riverine)	
High Wa	ter Table (A2)		Biotic Crus	st (B12)			\$	Sediment Deposits (B2) (Riverine)	
Saturatio			Aquatic In					Drift Deposits (B3) (Riverine)	
A	arks (B1) ( <b>Nonriveri</b>	- 20 <sup>10</sup> - 10	Hydrogen					Drainage Patterns (B10)	
	t Deposits (B2) (Non		(2000) - C	-		Living Roo	1.54 N. A	Dry-Season Water Table (C2)	
	osits (B3) (Nonriver	ine)	Presence					Crayfish Burrows (C8)	
2 - C	Soil Cracks (B6)	(5)				d Soils (C6		Saturation Visible on Aerial Imagery (C9)	
	on Visible on Aerial Ir	magery (B)	the state of the second second	an e 1 a - e <sup>2</sup>	NP2			Shallow Aquitard (D3)	
	ained Leaves (B9)		Other (Exp	plain in Re	marks)		F	AC-Neutral Test (D5)	_
Field Observ					0.'		9 P	£<	
Surface Wate		es		1821	<u> </u>			2 <sup>- 2</sup>	
Water Table I Saturation Pr			No $\underline{\times}$ Depth (in No $\underline{\times}$ Depth (in	-	<u>0</u>		and Hydrolog	W Present? Yes No	
(includes cap	같은 가장 안 있는 모이지 않는 것 같이 많이 있다. 이 가지 않는 것 같이 가 있다. 이 가 있는 것 같이 없다. 이 것 같이 없다. 이 가 있는 것 같이 없다. 이 것 같이 없다. 이 있는 것 같이 없다. 이 것 같이 없다. 이 있는 것 같이 없다. 이 있는 것 같이 없다. 이 있 않는 것 같이 않는 것 같이 없다. 이 없 않는 것 같이 없 이 없 않는 것 같이 없 않다. 이 없 않 않 않 않 않 않 않 않 않 않 않 않 않 않 않 않 않 않								÷.,
Describe Rec	corded Data (stream	gauge, mo	nitoring well, aerial	photos, pr	evious ins	spections),	if available:	1	
Remarks: Approxim washed Wepl +	ntily 30 feet strange + within a	to the ben Conu	SE of pit	- an apprat	arua	wae of Soil a	frenvid.	where water had a salt cruit ofserved	ala A

3

## WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: CallINSVILLE		City/County: <u>86</u>	lah D Sampling	Date: <u>07-08-24</u>
Applicant/Owner: US POWEN			State: C/A Sampling	
Investigator(s): Sidney Wells, christing	Rodnowez	Section, Township, Ra	ange: JNIEZZ	
Landform (hillslope, terrace, etc.):	0	Local relief (concave.	convex, none): MML	Slope (%): Ø
Subregion (LRR):	Lat: 3	8.081743	Long: -121, 848972	Datum: NA01983
Soil Map Unit Name: 01ABLO-AYAR CL				
Are climatic / hydrologic conditions on the site typica				
		· · · · · · · · · · · · · · · · · · ·		
Are Vegetation, Soil, or Hydrology _				
Are Vegetation, Soil, or Hydrology			eeded, explain any answers in Rema	
SUMMARY OF FINDINGS – Attach site	map showing	sampling point	locations, transects, import	ant features, etc.
Hydrophytic Vegetation Present? Yes	No_X	Is the Sample	d Aroo	
	NoX	within a Wetla		X
Wetland Hydrology Present? Yes	No	within a wetta		<u> </u>
Remarks:				
VEGETATION – Use scientific names o	f plants			
	1R.	Dominant Indicator	Dominance Test worksheet:	
Tree Stratum         (Plot size:)           1)	<u>% Cover</u>	Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:	б (A)
2.				
3			Total Number of Dominant Species Across All Strata:	Z (B)
4			~ ~	
Sapling/Shrub Stratum (Plot size:	_)	_= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:	Ø (A/B)
1			Prevalence Index worksheet:	
2			Total % Cover of:	
3			OBL species x 1	
4			FACW species x 2	
5			FAC species x 3	
Herb Stratum (Plot size: 5)		_ = Total Cover	FACU species x 4	
1. BRASSICA SID ?	30	✓ ×	UPL species x 5 Column Totals: (A)	
2. ARTENESIA DOUGLASIANA	5	FAC		(В)
3. CENTAUREA SOLSTITIAL	s Elmet) 40	XX	Prevalence Index = B/A =	
4. SALSOLA SODA? ( dead, skeleton		X FACU	Hydrophytic Vegetation Indicate	ors:
5	<u> </u>		Dominance Test is >50%	
6			Prevalence Index is ≤3.0 <sup>1</sup>	
7			Morphological Adaptations <sup>1</sup> (I data in Remarks or on a se	Provide supporting
8		·	Problematic Hydrophytic Veg	
Manchel Mine Otenture (District	-48	= Total Cover		
Woody Vine Stratum (Plot size:)			<sup>1</sup> Indicators of hydric soil and wetla	and hydrology must
1			be present, unless disturbed or pr	
2		= Total Cover	Hydrophytic	1
% Bare Ground in Herb Stratum 9		- /	Vegetation Present? Yes	No
Remarks:	to 5.0.0.	(	an But Bried m. D.	initia.
Remarks: Skeleton looked Similar movery that species nos not	ofserved.	star shelle	an one down to be	

W-28

#### SOIL

Sampling Point: \_\_\_\_

Profile Description: (Describe to the depth needed to document the indicator or	confirm the absence of indicators.)
Depth Matrix Redox Features	
	Loc <sup>2</sup> Texture Remarks
0-4 2.5 / 3/2	LOAMYSANI
<u>4-165 Z.SY 3/5</u>	SAND
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated \$	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
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)	$\lambda_{i}$
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8)	31 altertant of budget
Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9)	<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present,
Sandy Mideky Milleral (S1) Vernal Pools (P9)	unless disturbed or problematic.
Restrictive Layer (if present):	uniess distarbed of problematic.
Depth (inches):	Hydric Soil Present? Yes No X
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 Liv	ring 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 S	coils (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):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe-	ctions), if available:
Remarks:	

12. 14

WETLAND DETERMINATION DATA FOR	M – Arid West Region $W - Z q$
	State: CA Sampling Point: SP-1
Investigator(s): CY, NORIBUEZ + S. WELLS Section, Township,	Range: 00 3N IE
Landform (hillslope, terrace, etc.):	re, convex, none): Slope (%):
Subregion (LRR): Lat: Lat: 38.081801	Long: -121, 846 584 Datum: NAO 1983
Soil Map Unit Name: DIABLO - AYAR CLAYS, 2tr 9 h	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No	
	re "Normal Circumstances" present? Yes X No
	f needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling poin	t locations, transects, important features, etc.
Hydrophytic Vegetation Present?     Yes     No     Is the Samp       Hydric Soil Present?     Yes     X     No     within a Wet       Wetland Hydrology Present?     Yes     X     No     No	
Remarks:	
VEGETATION – Use scientific names of plants.	
Tree Stratum     (Plot size:)     Absolute     Dominant     Indicato       1	것 같은
2	
3	Total Number of Dominant     Species Across All Strata:
4	
Sapling/Shrub Stratum (Plot size:)	Percent of Dominant Species That Are OBL, FACW, or FAC:(D0 10(A/B)
1	Prevalence Index worksheet:
2	
3	FACW species x 2 =
4	FAC species x 3 =
5 = Total Cover	FACU species x 4 =
Herb Stratum (Plot size: 584.94)	UPL species x 5 =
1. LEPIDIUM LATIFOLIUM 30 Y FAC	Column Totals: (A) (B)
2. FRANKENIA SALINA S N FACH	
3	Hydrophytic Vegetation Indicators:
4	A Dominance Test is >50%
5	Prevalence Index is ≤3.0 <sup>1</sup>
6	Morphological Adaptations <sup>1</sup> (Provide supporting
7 8.	data in Remarks or on a separate sheet)
35 = Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	<sup>1</sup> Indicaters of hudris soil and watland hudralanu must
1	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>
2	Hydrophytic
8 Bare Ground in Herb Stratum 65 % Cover of Biotic Crust	Hydrophytic Vegetation Present? Yes <u>No</u>
Remarks:	

										IN-29
SOIL									Sampling Point:	SP-L
Profile Desc	cription: (Describe to	o the depth n	eeded to docun	nent the i	ndicator o	r confirm	the absence	e of indica	ators.)	
Depth	Matrix		Redox Features							
(inches)	Color (moist)	(	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	-	Remarks	
0-4	5 YR 2.5/1	99	5YR 416			M	Loanny	Sond		
										······································
4-16	2.5 7 3/2	65	104R 3/6	35	<u>(+cs</u>	PL+M	Sand			
<sup>1</sup> Type: C=C	oncentration, D=Deple	etion, RM=Red	duced Matrix, CS	=Covered	d or Coated	Sand Gra			L=Pore Lining, M	
Histosol Histic Ep Black Hi Hydroge Stratified	oipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) (LRR C		Sandy Redo Stripped Ma Loamy Muck Loamy Gley Depleted Ma	ox (S5) trix (S6) ky Mineral ed Matrix atrix (F3)	l (F1) (F2)		1 cm 2 cm Redu Red F	Muck (A9) Muck (A10 ced Vertic Parent Mat	)) (LRR B)	¦oils³:
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 Gleyed Matrix (S4)      Restrictive Layer (if present):					<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.					
Type: Depth (in	ches):		-				Hydric Soi	I Present?	? Yes 🔨	No
HYDROLO	GY									
Wetland Hy	drology Indicators:									
Primary India	cators (minimum of on	e required; ch							cators (2 or more	
	Water (A1) ater Table (A2)		Salt Crust ( Biotic Crus	and the second					ks (B1) ( <b>Riverine</b> Deposits (B2) ( <b>Ri</b> v	20 a
Ngri Wa			Aquatic Inv		s (B13)				sits (B3) (Riverine	
	larks (B1) (Nonriverir	ie)	Hydrogen S						Patterns (B10)	
	nt Deposits (B2) (Non		Oxidized R	hizospher	res along L	iving Root			n Water Table (C	2)
Drift Dep	oosits (B3) (Nonriveri	ne)	Presence of	of Reduce	d Iron (C4)		(	Crayfish Bu	urrows (C8)	
	Soil Cracks (B6)		Recent Iror			Soils (C6)				magery (C9)
	on Visible on Aerial In	agery (B7)	Thin Muck				Shallow Aquitard (D3)			
1.	tained Leaves (B9)		Other (Exp	lain in Rei	marks)		F	-AC-Neutr	al Test (D5)	
Field Obser			<pre></pre>							
Surface Wat		s No _	Depth (inc			-				
Water Table Saturation P (includes cap	resent? Ye	s No _ s No _	Depth (inc			- Vetla	nd Hydrolog	y Present	t? Yes 🗡	No
	corded Data (stream g	auge, monito	ring well, aerial p	hotos, pre	evious insp	ections), i	f available:			
Remarks:										

MUCITY       SolANO       Sampling Date:       7/8/24
State:Sampling Point:SP p, Range:OSlope (%): ave, convex, none):Slope (%): ave, convex, none):Slope (%): Slope (%): Slope (%): Slope (%): Slope (%): Slope (%): Slope (%): Slope (%): Slope (%):Slope (%): Slope (%):Slope (%): _
And the formula formula to the formula formula formula formula formula for the formula
ave, convex, none):Slope (%): 
Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) nt locations, transects, important features, etc. pled Area etland? Yes No tor Dominance Test worksheet: IS Number of Dominant Species
Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) nt locations, transects, important features, etc. pled Area etland? Yes No tor Dominance Test worksheet: IS Number of Dominant Species
(If needed, explain any answers in Remarks.)         nt locations, transects, important features, etc.         pled Area         etland?       Yes No         ator       Dominance Test worksheet:         IS       Number of Dominant Species
nt locations, transects, important features, etc.  pled Area etland? Yes No  tor Dominance Test worksheet:  Number of Dominant Species
etland? Yes No No
tor Dominance Test worksheet:
tor Dominance Test worksheet:
ator Dominance Test worksheet:
Number of Dominant Species
Number of Dominant Opeoles
That Are OBL, FACW, or FAC: (A)
Total Number of Dominant     Species Across All Strata:     (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Prevalence Index worksheet:
<u>Total % Cover of:</u> <u>Multiply by:</u>
OBL species x 1 = FACW species x 2 =
FACW species x2 = FAC species x3 =
FAC species x 3 FACU species x 4 =
UPL species x5 =
Column Totals: (A) (B)
Prevalence Index = B/A =
Hydrophytic Vegetation Indicators:
Dominance Test is >50%
Prevalence Index is ≤3.0 <sup>1</sup>
Morphological Adaptations <sup>1</sup> (Provide supporting
data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
<sup>1</sup> Indicators of hydric soil and wetland hydrology must
be present, unless disturbed or problematic.
Hydrophytic Vegetation
Present? Yes No X

		W-29
SOIL		Sampling Point: Sp-2
Profile Description: (Describe to the depth	needed to document the indicator or con	firm the absence of indicators.)
Depth         Matrix           (inches)         Color (moist)         %	Redox Features           Color (moist)         %         Type <sup>1</sup> Loc	<sup>2</sup> Remarks
0-15.5 7.5 YR 2.5/2 100		SAND
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=R Hydric Soil Indicators: (Applicable to all LF		d Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)     Histo Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	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)	3.
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Vernal Pools (F9)	wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if present):		
Type:		
Depth (inches):		Hydric Soil Present? Yes No X
Remarks:		
Remarks.		
HYDROLOGY		

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; che	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 Livin	ng 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 So	ils (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	X Depth (inches):	
Water Table Present? Yes No	X Depth (inches):	
Saturation Present? Yes No	Depth (inches):	Wetland Hydrology Present? Yes No X
Describe Recorded Data (stream gauge, monitori	ng well, aerial photos, previous inspec	tions), if available:
	1990 A A A A A A A A A A A A A A A A A A	
Remarks:		

Note: This sampling point did not meet the three criteria and the data sheet was revised on 11/25/24 to indicate it is not a wetland. See section 5.1 of the Aquatic Resources Delineation Report for more detail. WETLAND DETERMINATION D		
Project/Site:COLUNSVILLECity/Co	Unty: CITY /SOLANO	Sampling Date: 7/8/24
Applicant/Owner:S PONER		A Sampling Point: $SC - 1$
Investigatories: CM ANALINKA, SWEALS Section	Townshin Pango	NIE ZZ
Investigator(s): <u>AWAIWA</u> S.W.M.S. Section Landform (hillslope, terrace, etc.): <u>flot</u> Local	, rownship, roange	
Subregion (LRR): Lat: Lat:	eller (concave, convex, none):	
	$\Delta \mathcal{L} \subset \mathcal{L}$ Long: $\mathcal{L} \subset \mathcal{L}$	$\frac{377130}{78}$ Datum: $\frac{1000138}{78}$ .
Soil Map Unit Name:	',	/
Are climatic / hydrologic conditions on the site typical for this time of year? Ye		
Are Vegetation, Soli, or Hydrology significantly disturb	ed? Are "Normal Circumsta	inces" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	c? (If needed, explain any	answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sam	oling point locations, tran	sects, important features, etc.
Hydric Soil Present? Yes No No		s No X 11/25/24
Remarks: Strong underators of bydrophylic is position, Periodically Cloding willowd	egildner + hydri inghology erhyd	to soil, landorage the to dry years
VEGETATION – Use scientific names of plants.		0
Absolute Domi Tree Stratum (Plot size:)% Cover Spec	ac2 Statue	
1	Number of Dom That Are OBL, F	
2		
3	Total Number of Species Across	
4		
Sapling/Shrub Stratum (Plot size:)	I Cover Percent of Domi That Are OBL, F	ACW, or FAC: 100*40 (A/B)
1	Prevalence Ind	
2		ver of:Multiply by:
3	OBL species	x 1 = x 2 =
4		x3 =
		x 4 =
Herb Stratum (Plot size:)	UPI species	x 5 =
1. DISTICITUS SPICATA 75 Y	Pr 4	(A) (B)
2. CENTAMREA SOLSTITIALIS 10		
3		e Index = B/A = getation Indicators:
4		-
5		
6 7	·······	al Adaptations <sup>1</sup> (Provide supporting
8	data in R	emarks or on a separate sheet)
85 = Tota	Cover Problematic	Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)		
1		dric soil and wetland hydrology must so disturbed or problematic.
2		
= Tota	Z Vegetation	
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Present?	Yes No
Remarks:		

## SOIL

	[W-30]	)
Sampling Po	oint: <u>Sp~ 1</u> '	

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)						
Depth <u>Matrix</u>	Redox Features					
(inches) Color (moist) %	Color (molst) % Type <sup>1</sup> Lo	DC <sup>2</sup> Texture Remarks				
0-3 10YR 2/2 100		LOMM YSAND				
3-14,5 10YR 3/1 98	57K416 2 C M	1 SAND				
······		· · · · · · · · · · · · · · · · · · ·				
· · · · · · · · · · · · · · · · · · ·						
	·······					
		and Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.				
Hydric Soil Indicators: (Applicable to al	=Reduced Matrix, CS=Covered or Coated Sa	Indicators for Problematic Hydric Soils <sup>3</sup> :				
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)	Depleted Dark Surface (F7)					
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and				
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,				
Sandy Gleyed Matrix (S4)	account v	unless disturbed or problematic.				
Restrictive Layer (if present):						
Туре:						
Depth (inches):		Hydric Soil Present? Yes X No				
Remarks:						
HYDROLOGY						
Watland Hudrology Indicators		· · · · · · · · · · · · · · · · · · ·				

Wetrand 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 Livi	ng 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 So	bils (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):					
Water Table Present? Yes No X_ Depth (inches):					
Saturation Present? Yes No Yes Depth (inches):	Wetland Hydrology Present? Yes NoX				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	tions), if available:				
Remarks: periodically ladeing without hydrology le new NWI revenue & above a preshration on	help due to dry season. rengent willowed				

	$  _{N}  - 30$
WETLAND DETERMINATION DATA FOR	
Project/Site: COLLINS VILLE City/County: 301	SUNCITY SOLAND Sampling Date: JULY 9 2024 State: Sampling Point: SP-2_
Applicant/Owner: LS POWER	State: A Sampling Point: SP-2
Investigator(s): C.Y. RODRIGUEZ + S. WELLSsection, Township,	Range: 3N IEZZ
Landform (hillslope, terrace, etc.): on top of a slight hill Local relief (concav	
Subregion (LRR): Lat: Lat:Lat: Lat: Lat: Lat: Lat:	Long: -121.843560 Datum: MR01983
Soil Map Unit Name: DIABO AMAR CLAY, 255 Y To shope	
Soil Map Unit Name:UT_000 // /// COURT / 200 / 10 200 //	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>No</u>	
Are Vegetation, Soil, or Hydrology significantly disturbed? A	
Are Vegetation, Soil, or Hydrology naturally problematic? (It	
SUMMARY OF FINDINGS – Attach site map showing sampling poin	t locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Samp	led Area
Hydric Soil Present? Yes <u>No</u> within a We	tland? Yes No X
Wetland Hydrology Present? Yes No	
Remarks:	
VEGETATION – Use scientific names of plants.	
Absolute Dominant Indicate	Dominance Test worksheet:
Tree Stratum         (Plot size:)         % Cover         Species?         Status           1.	Number of Dominant Species O (A)
2	Total Number of Dominant
3	Species Across All Strata: (B)
4	Percent of Dominant Species
∠ = Total Cover	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum         (Plot size:)           1.	Prevalence Index worksheet:
2	Total % Cover of: Multiply by:
3.	OBL species x 1 =
4	FACW species x 2 =
5	FAC species x 3 =
$\nabla h$ = Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	UPL species x 5 =
2. BrASSICA Sheletoner (species ?.)	— Column Totals: (A) (B)
3. Devel graces (Arrivel?) 75	Prevalence Index = B/A =
4. Frankenia salina 4	Hydrophytic Vegetation Indicators:
5. Distichilis spirata (clush) 3	Dominance Test is >50%
6. Container polititialis 1	Prevalence Index is ≤3.0 <sup>1</sup>
7	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
$\underline{84} = \text{Total Cover}$	
Woody Vine Stratum (Plot size:)	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1 2	be present, unless disturbed or problematic.
= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Vegetation Present? Yes <u>No</u>
Remarks:	not make a ditermination.
Remarks: Gelested Sperimens of the dead grass foil could on speries (two stat shad some structure left	). Maybe à Hordeun?
or species ( mo was a con a contraction of	J ()
	P

ł

	iption: (Describe to the d	epth needed to docu	ment the in	dicator o	r confir	m the absenc		Point: $\underline{\mathcal{P}^{-2}}$
Depth	Matrix		ox Features			14		
(inches)	Color (moist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rema	arks
<u>.</u>	-							
0-4.5	10 YR 4/2 97	104R 4/6	3	C	M	CLAY		P
					- (		5	
45-15	10 yr 3/2 100				1	CI M	· · · · · · · · · · · · · · · · · · ·	
19 19	<u></u>					<u>cury</u>	-	,
<u> </u>			-'		<u> </u>		- <u> </u>	÷.
2 1/2	101/0 6/0			i			• · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
5-15.5	10 YR "6 100	= *				SICL	· · · · · · · · · · · · · · · · · · ·	
S	107R 3/1	145		a:		ж. ,	Stripis in Matri	je danka .
Type: C=Co	ncentration, D=Depletion, R	M=Reduced Matrix, C	S=Covered	or Coated	Sand G	irains <sup>2</sup> L	ocation: PL=Pore Lini	ng M=Matrix
	idicators: (Applicable to a				ound c		s for Problematic Hy	
Histosol (		Sandy Red					Muck (A9) (LRR C)	
	pedon (A2)	Stripped M	1 / 2	1			Muck (A10) (LRR B)	
Black His		Loamy Muc	cky Mineral (			Redu	uced Vertic (F18)	9 e
	Sulfide (A4)		yed Matrix (I	F2)	а а.е		Parent Material (TF2)	
	Layers (A5) (LRR C)	Depleted M		()	- 4	Other	r (Explain in Remarks)	21 1
the second se	k (A9) (LRR D) Below Dark Surface (A11)	X Redox Darl						
	k Surface (A12)		ark Surface ressions (F8			<sup>3</sup> Indicator	s of hydrophytic veget	ation and
	ucky Mineral (S1)	Vernal Poo		-)	8 1		d hydrology must be pr	and the second
	eyed Matrix (S4)	e (	/				disturbed or problema	
and the second se	ayer (if present):							
Туре:			κ				· · · · · · · · · · · · · · · · · · ·	/
Depth (incl	nes):					Hydric Soi	il Present? Yes	No
toting	the spaces out I	yer came or	It in . clods.	hand Hole	clool dept	o. Measi	nominto are	estimates
is 15,51	the oppres out I	yer came or between the	It in clock.	hand Hole	clod depts	o. Measi h where	nements are the core c	estimate
1 5،5  وند VDROLOG	freet.	yer came or between the	It in . clock.	hand Hole	clod derts	o. Mease h where	nemento are to the core c	estimate
ک 5,5   مند VDROLOG Wetland Hydr	Pret			hard Hole	clod depts			estimates ame from
کی  5,5   YDROLOG Wetland Hydr	beet SY rology Indicators: tors (minimum of one requir	ed; check all that appl	v)	hard Hole	clod derts	<u>Seco</u>	ondary Indicators (2 or	
VDROLOG Vetland Hydr Primary Indica	SY rology Indicators: tors (minimum of one requir vater (A1)	red; check all that appl	<u>y)</u> (B11)	Hole	clool depts	<u>Seco</u>	ondary Indicators (2 or Water Marks (B1) (Riv	verine)
VDROLOG Wetland Hydr Primary Indice Surface V High Wate	BY Cology Indicators: tors (minimum of one required) vater (A1) er Table (A2)	ed; check all that appl Salt Crust Biotic Crust	y) (B11) st (B12)		clod derte	<u>Seco</u> \	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2	verine) 2) (Riverine)
VDROLOG Vetland Hydr Primary Indice Surface W High Wate Saturation	Fology Indicators: tors (minimum of one required vater (A1) er Table (A2) (A3)	ed; check all that appl Salt Crust Biotic Crus Aquatic In	y) (B11) st (B12) vertebrates (	(B13).	clod depti	<u>Seco</u> \_\_\ \ \ \_\_\ \ \ \_\_\ \ \_\_\ \ \_\_\ \ \_\_\ \ \_\ \ \_\ \ \_\ \ \_\ \ \\ \_\ \ \\ \_\ \ \_\ \ \\ \_\ \ \\ \\ \_\ \ \\_\ \\_\ \\ \\_\ \\ \\ \\ \\_\ \\ \\ \\_	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2 Drift Deposits (B3) (Riv	verine) 2) (Riverine) verine)
VDROLOG Vetland Hydr Primary Indica Surface V High Wate Saturation Water Ma	Fology Indicators: tors (minimum of one required vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverine)	ed; check all that appl Salt Crust Biotic Crus Aquatic In Hydrogen	y) (B11) st (B12) vertebrates ( Sulfide Odo	(B13). or (C1)		<u>Seco</u> \ S [	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2 Drift Deposits (B3) (Riv Drainage Patterns (B1)	verine) 2) (Riverine) verine) 0)
VDROLOG Vetland Hyde Primary Indica Surface V High Wate Saturation Water Ma Sediment	Fology Indicators: tors (minimum of one require vater (A1) er Table (A2) h (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine	red; check all that appl Salt Crust Biotic Crust Aquatic In Hydrogen *) Oxidized F	y) (B11) st (B12) vertebrates ( Sulfide Odo Rhizosphere	(B13). or (C1) s along Liv		<u>Seco</u> 	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2 Drift Deposits (B3) (Riv Drainage Patterns (B1) Dry-Season Water Tat	verine) 2) (Riverine) verine) 0) ole (C2)
VDROLOG Vetland Hydr Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo	SY rology Indicators: tors (minimum of one requir /ater (A1) er Table (A2) n (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine sits (B3) (Nonriverine)	red; check all that appl Salt Crust Biotic Crust Aquatic Im Hydrogen e) Oxidized F Presence	y) (B11) st (B12) vertebrates ( Sulfide Odo Rhizospheres of Reduced	(B13). or (C1) is along Liv Iron (C4)	ving Ro	<u>Seco</u> 	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2 Drift Deposits (B3) (Riv Drainage Patterns (B1 Dry-Season Water Tat Crayfish Burrows (C8)	verine) 2) (Riverine) verine) 0) ole (C2)
VDROLOG Vetland Hyde Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Surface S	Prology Indicators: tors (minimum of one require vater (A1) er Table (A2) (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine sits (B3) (Nonriverine) oil Cracks (B6)	ed; check all that appl Salt Crust Biotic Crust Aquatic Im Hydrogen Oxidized F Presence Recent Iro	y) (B11) st (B12) vertebrates ( Sulfide Odo Rhizospheres of Reduced n Reduction	(B13). or (C1) s along Lin Iron (C4) n in Tilled S	ving Ro	<u>Seco</u> 	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2 Drift Deposits (B3) (Riv Drainage Patterns (B1) Dry-Season Water Tat Crayfish Burrows (C8) Saturation Visible on A	verine) 2) (Riverine) verine) 0) ble (C2) verial Imagery (C9
Vetland Hydro Primary Indice Surface V High Wate Saturation Water Ma Sediment Drift Depo Surface S Inundation	iY rology Indicators: ttors (minimum of one requir vater (A1) er Table (A2) (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) n Visible on Aerial Imagery (	ed; check all that appl Salt Crust Biotic Crust Aquatic In Hydrogen b) Oxidized F Presence Recent Iro B7) Thin Muck	y) (B11) st (B12) vertebrates ( Sulfide Odo Rhizospheres of Reduced in Reduction : Surface (C7	(B13). or (C1) is along Lin Iron (C4) o in Tilled \$ 7)	ving Ro	<u>Seco</u>       	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2 Drift Deposits (B3) (Riv Drainage Patterns (B1 Dry-Season Water Tab Crayfish Burrows (C8) Saturation Visible on A Shallow Aquitard (D3)	verine) 2) (Riverine) verine) 0) ble (C2) verial Imagery (CS
Vetland Hyde Primary Indice Surface V High Wate Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta	Arrow of the second sec	ed; check all that appl Salt Crust Biotic Crust Aquatic In Hydrogen b) Oxidized F Presence Recent Iro B7) Thin Muck	y) (B11) st (B12) vertebrates ( Sulfide Odo Rhizospheres of Reduced n Reduction	(B13). or (C1) is along Lin Iron (C4) o in Tilled \$ 7)	ving Ro	<u>Seco</u>       	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2 Drift Deposits (B3) (Riv Drainage Patterns (B1) Dry-Season Water Tat Crayfish Burrows (C8) Saturation Visible on A	verine) 2) (Riverine) verine) 0) ble (C2) verial Imagery (CS
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VDROLOG Vetland Hydr Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depc Surface S Inundation Water-Sta Surface Water	iY rology Indicators: tors (minimum of one requir /ater (A1) er Table (A2) (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) oil Cracks (B6) n Visible on Aerial Imagery (Mined Leaves (B9) ations: Present? Yes	ed; check all that appl Salt Crust Biotic Crus Aquatic Im Hydrogen e) Oxidized F Presence Recent Iro B7) Thin Muck Other (Exp Depth (inc	y) (B11) st (B12) vertebrates ( Sulfide Odo Rhizosphere: of Reduced in Reduction Surface (C7 blain in Remain ches):	(B13). or (C1) is along Lin Iron (C4) o in Tilled \$ 7)	ving Ro	<u>Seco</u>       	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2 Drift Deposits (B3) (Riv Drainage Patterns (B1 Dry-Season Water Tab Crayfish Burrows (C8) Saturation Visible on A Shallow Aquitard (D3)	verine) 2) (Riverine) verine) 0) ble (C2) verial Imagery (CS
Vetland Hyde Primary Indice Surface V High Wate Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Surface Water Vater Table P	if Y         itors (minimum of one requir         vater (A1)         er Table (A2)         it (A3)         rks (B1) (Nonriverine)         Deposits (B2) (Nonriverine)         oil Cracks (B6)         it Visible on Aerial Imagery (finded Leaves (B9)         attoms:         Present?       Yes         resent?       Yes	red; check all that appl 	y) (B11) st (B12) vertebrates ( Sulfide Odo Rhizospheres of Reduced in Reduction Surface (C7 blain in Remain ches): ches):	(B13). or (C1) is along Lin Iron (C4) o in Tilled \$ 7)	ving Ron Soils (Cl	<u>Seco</u>       	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2) Drift Deposits (B3) (Riv Drainage Patterns (B1) Dry-Season Water Tat Crayfish Burrows (C8) Saturation Visible on A Shallow Aquitard (D3) FAC-Neutral Test (D5)	verine) 2) (Riverine) verine) 0) ble (C2) verial Imagery (C9
VDROLOG Vetland Hydr Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Surface Water Vater Table P Saturation Pre includes capil	iver for the second sec	red; check all that appl Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro B7) Thin Muck Other (Exp Depth (int Depth (int Depth (int		(B13). or (C1) s along Lin Iron (C4) n in Tilled \$ 7) parks)	ving Ron Soils (Cl	<u>Seco</u> \ S I ots (C3) I S S S F	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2 Drift Deposits (B3) (Riv Drainage Patterns (B1 Dry-Season Water Tab Crayfish Burrows (C8) Saturation Visible on A Shallow Aquitard (D3)	verine) 2) (Riverine) verine) 0) ble (C2) verial Imagery (CS
VDROLOG Vetland Hydr Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Surface Water Vater Table P Saturation Pre includes capil	iY rology Indicators: ttors (minimum of one requir vater (A1) er Table (A2) (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) oil Cracks (B6) N Visible on Aerial Imagery ( ined Leaves (B9) ations: Present? Yes sent? Yes	red; check all that appl Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro B7) Thin Muck Other (Exp Depth (int Depth (int Depth (int		(B13). or (C1) s along Lin Iron (C4) n in Tilled \$ 7) parks)	ving Ron Soils (Cl	<u>Seco</u> \ S I ots (C3) I S S S F	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2) Drift Deposits (B3) (Riv Drainage Patterns (B1) Dry-Season Water Tat Crayfish Burrows (C8) Saturation Visible on A Shallow Aquitard (D3) FAC-Neutral Test (D5)	verine) 2) (Riverine) verine) 0) ble (C2) verial Imagery (C9
VDROLOG Vetland Hydr Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Surface Water Vater Table P Saturation Pre includes capil Describe Reco	ivert	red; check all that appl 	y) (B11) st (B12) vertebrates ( Sulfide Odo Rhizosphere: of Reduced in Reduction Surface (C7 blain in Remain ches): ches): ches): bhotos, previous	(B13). or (C1) is along Lin Iron (C4) n in Tilled S 7) marks)	ving Ror Soils (Cl Wetl ections),	Seco \ S I I I I I I S  S S  S  S  S  S 	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2) Drift Deposits (B3) (Riv Drainage Patterns (B1) Dry-Season Water Tat Crayfish Burrows (C8) Saturation Visible on A Shallow Aquitard (D3) FAC-Neutral Test (D5)	verine) 2) (Riverine) verine) 0) ble (C2) verial Imagery (C9
VDROLOG Vetland Hydr Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Surface Water Vater Table P Saturation Pre includes capil Describe Reco	iver for the second sec	red; check all that appl 	y) (B11) st (B12) vertebrates ( Sulfide Odo Rhizosphere: of Reduced in Reduction Surface (C7 blain in Remain ches): ches): ches): bhotos, previous	(B13). or (C1) is along Lin Iron (C4) n in Tilled S 7) marks)	ving Ror Soils (Cl Wetl ections),	Seco \ S I I I I I I S S F land Hydrolog if available:	ondary Indicators (2 or Water Marks (B1) (Riv Sediment Deposits (B2) Drift Deposits (B3) (Riv Drainage Patterns (B1) Dry-Season Water Tat Crayfish Burrows (C8) Saturation Visible on A Shallow Aquitard (D3) FAC-Neutral Test (D5)	verine) 2) (Riverine) verine) 0) ble (C2) verial Imagery (C9

			W-31]
		6	- Arid West Region
A	City/	County: <u>Sola</u>	No Sampling Date: <u>JULY</u> 7, 2024
Applicant/Owner: US POWEN			State: Sampling Point:
Investigator(s): Sidney Wells, Christing Ro			
Landform (hillslope, terrace, etc.):	Loc	al relief (concave,	convex, none): Slope (%):
• • • •		AN DELETION OF A DELETIONO OF	_ Long: _121,842498_ Datum: <u>\M01983</u>
Soil Map Unit Name: TRMBA MUCKY CLAY	, MURA	16	NWI classification:Ø
Are climatic / hydrologic conditions on the site typical for thi	s time of year?	Yes <u>\</u> No _	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologys	significantly distu	Irbed? Are '	"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	naturally problem	natic? (If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sa	mpling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes N		Is the Sampled	
Hydric Soil Present?     Yes N       Wetland Hydrology Present?     Yes N		within a Wetlar	nd? Yes <u>No X</u>
Remarks:			
VEGETATION – Use scientific names of plan			
Tree Stratum (Plot size:)		minant Indicator ecies? Status	Dominance Test worksheet:
1			Number of Dominant Species (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4			Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	= T	otal Cover	That Are OBL, FACW, or FAC: (A/B)
1	*		Prevalence Index worksheet:
2.			Total % Cover of:Multiply by:
3			OBL species x 1 =
4			FACW species x 2 =
5			FAC species x 3 =
Herb Stratum (Plot size: 5 mg (A)	<u> </u>	otal Cover	FACU species x 4 =
1. Frankenia salina	5 1	N FACW	UPL species         x 5 =           Column Totals:         (A)         (B)
2. Centawca solstitialis	30	Y VPL	(A) (B)
3. Distichlis spicata	30	Y FAC	Prevalence Index = B/A =
4			Hydrophytic Vegetation Indicators:
5			Dominance Test is >50%
6			Prevalence Index is ≤3.0 <sup>1</sup>
7			Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8	<u>65</u> = T		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)		otal Cover	
1			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2			be present, unless disturbed or problematic.
	= T	otal Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum <u>35</u> % Cove	r of Biotic Crust	$\mathcal{P}_{}$	Present? Yes No
Remarks:			
1			

#### SOIL

[	112-35
L	
Sampling Point:	SP-1

Profile Desc	cription: (Describe	to the dep	th needed to docum	ent the i	ndicator	or confirm	m the absence of	findicators.)	
Depth	Matrix		Redox Features						
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>		Remarks	
0-5.5	7.5 YR3/2	99	107R416			M	LO SA		
5.5.16	104R 3/3	95	107R4/6	5	C	Μ	SA		
					·				
	·····	·					· <u>· · · · · · · · · · · · · · · · · · </u>		
17							21	ing Di-Doro Lining McMatrix	
			=Reduced Matrix, CS= LRRs, unless otherv			a Sana G		tion: PL=Pore Lining, M=Matrix.	
					,		1 cm Muck (A9) (LRR C)		
Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)						1 cm Muck (A3) (LRR C) 2 cm Muck (A10) (LRR B)			
Black Histic (A3) Loamy Mucky Mineral (F1)						Reduced Vertic (F18)			
Elak Histo (X3) Elak Histo (X3) Elak Histo (X3) Loamy Midexy Milleral (17)						Red Parent Material (TF2)			
Identified Layers (A5) (LRR C) Depleted Matrix (F3)						Other (Explain in Remarks)			
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)									
		A11) د		•					
Depleted Below Dark Surface (A11)     Depleted Dark Surface (F7)     Thick Dark Surface (A12)     Redox Depressions (F8)							<sup>3</sup> Indicators of hydrophytic vegetation and		
Sandy Mucky Mineral (S1) Vernal Pools (F9)						wetland hydrology must be present,			
Sandy Micky Mineral (ST) Verhal Pools (P9)							201 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	urbed or problematic.	
	Layer (if present):								
Type:									
Depth (inches):						Hydric Soil Pr	resent? Yes No X		
Remarks:									
								-	
HYDROLO	GY								

Wetland Hydrology Indicators:								
Primary Indicators (minimum of one required; ch	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 Livi	ng 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 So	bils (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):							
Water Table Present? Yes No _	Depth (inches):							
Saturation Present? Yes No _ (includes capillary fringe)	Depth (inches):	Wetland Hydrology Present? Yes No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
8 - 18 <del>2</del> 4								
Remarks: There is a nurthand with green vegetation south of the soil pit. No hydrology indicators in Att immediate area. The without is approximately 100 pit away. I obvious (+ Fushword emegant - WWI )								