

LS POWER GRID CALIFORNIA, LLC COLLINSVILLE 500/230 KILOVOLT SUBSTATION PROJECT

AQUATIC RESOURCES DELINEATION REPORT

FEBRUARY 2025

PREPARED FOR:



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Attachment A: Aquatic Resources Delineation Map

Attachment B: Photograph Log

Attachment C: Wetland Determination Data Forms

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;¹
- 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

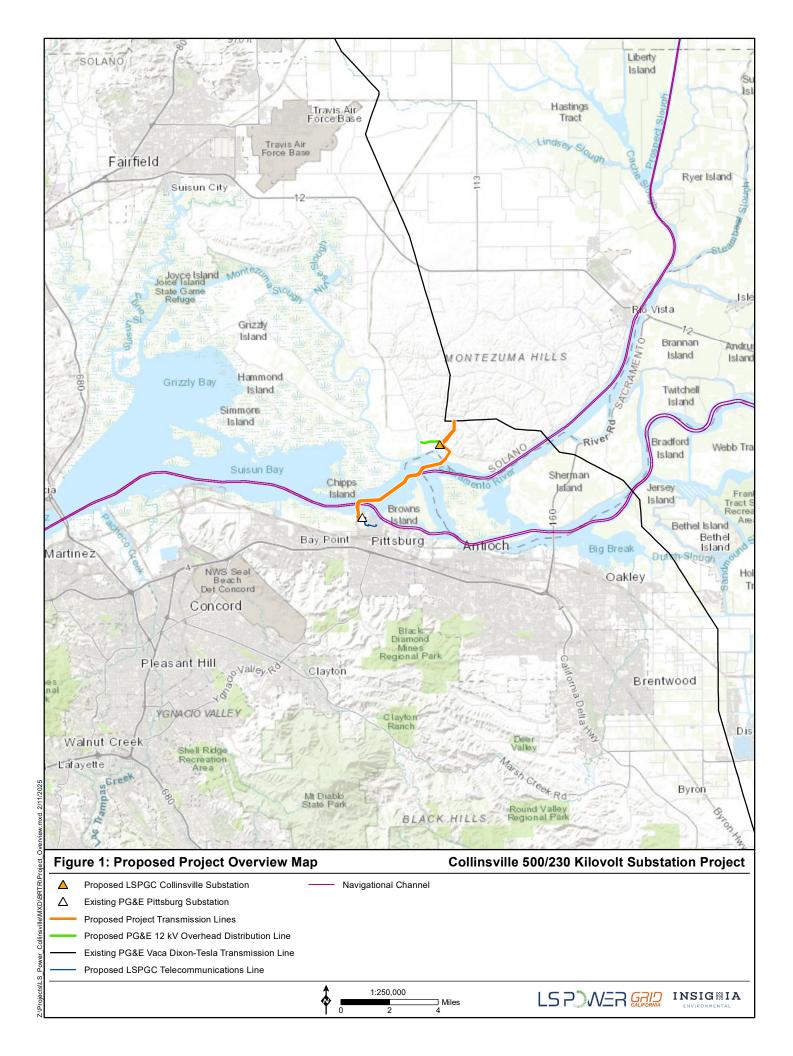
3.0.0 Section 404 of the Clean Water Act

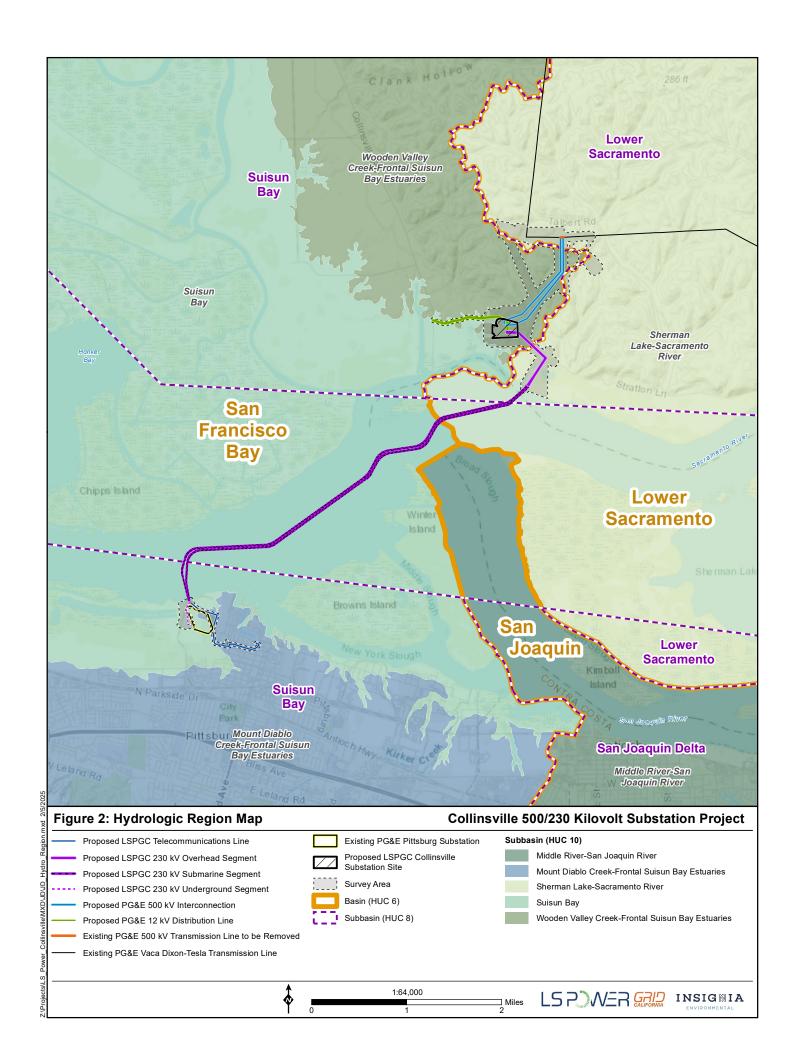
Under Section 404 of the CWA, the USACE has jurisdiction over waters of the U.S. (WOTUS). The purpose of the CWA is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." The USACE has regulatory authority to issue permits for the discharge of dredged or fill 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

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¹ 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.





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 Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (Procedures). The Procedures became effective on May 28, 2020 (SWRCB 2021). According to the 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.

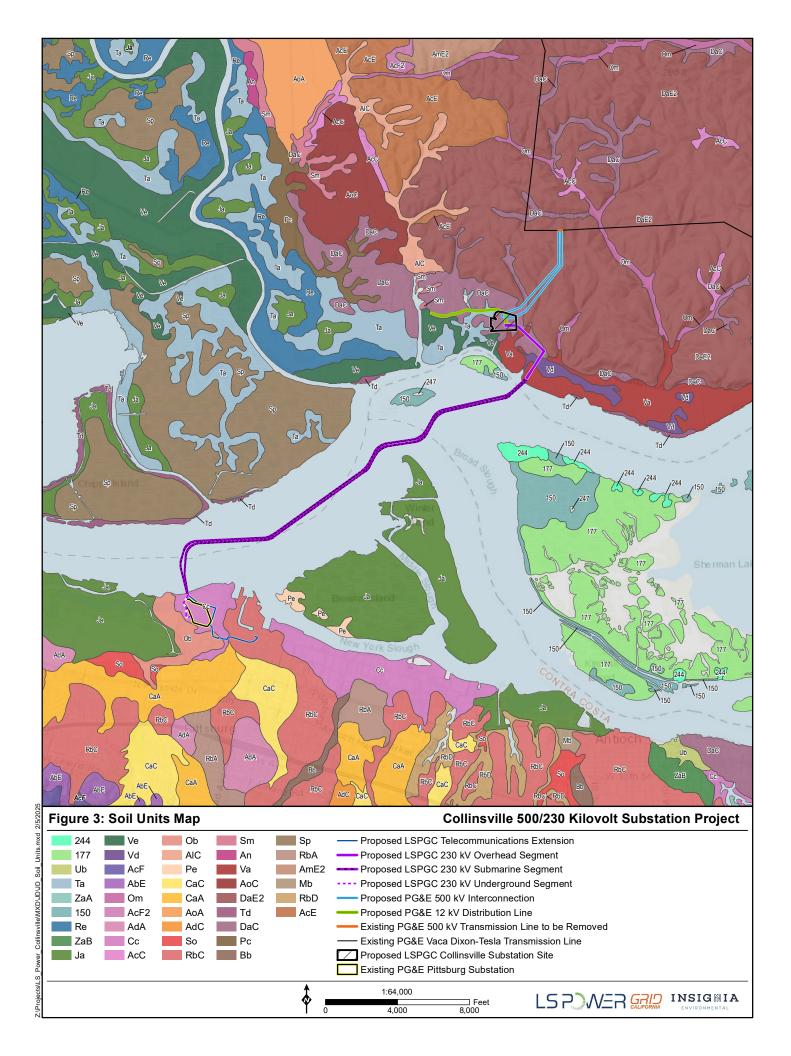


Table 1: Summary of NRCS Soil Descriptions

Map Unit Symbol	Soil Series	NRCS- Listed Hydric Soil (Yes/No)	Water Drainage	Material	Drainage and Permeability
Сс	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

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.

Table 2: Metrics for D-1

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 3: Features within the Survey Area

Feature ID	Cowardin Classification ²	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.

 ² PEM1 = Palustrine Emergent Wetland: persistent.
 PEM2 = Palustrine Emergent Wetland: non-persistent.
 E2EM1 = Estuarine Intertidal Emergent Wetland: persistent.

Feature ID	Cowardin Classification ²	Attachment A Page Number	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 ²	Attachment A Page Number	Approximate Size of Feature within Survey Area (acres)		ttachment A Survey Area		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 ²	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 ²	Attachment A Page Number	Approximate Size of Feature within Survey Area (acres)			Notes	
			USACE	RWQCB	CDFW		
W-19 ³	-	-	-	-	-	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.	

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³ 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 ²	Attachment A Page Number	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 ²	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	-

Table 4: Hydrological Feature Summary within the Survey Area

	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			

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 A: Aquatic Resources Delineation Map 1 of 4

Collinsville 500/230 Kilovolt Substation Project

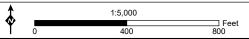
Sample Point

Proposed PG&E 12 kV Distribution Line

Potentially Jurisdictional Wetland

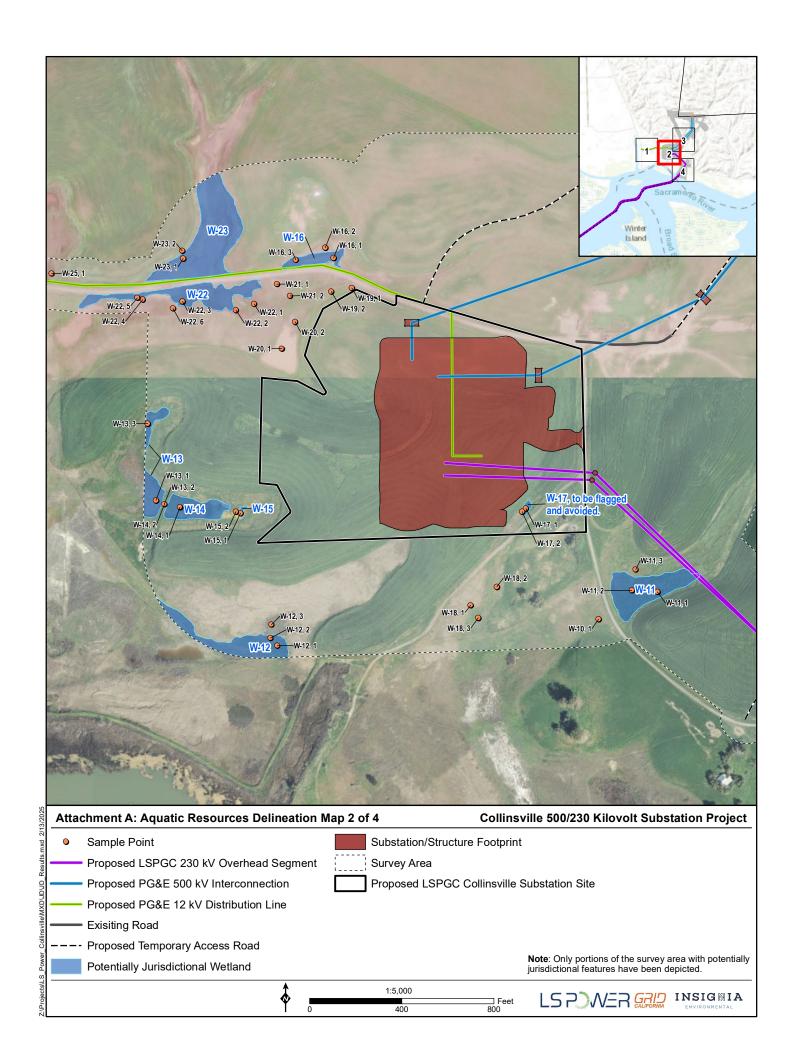
Survey Area

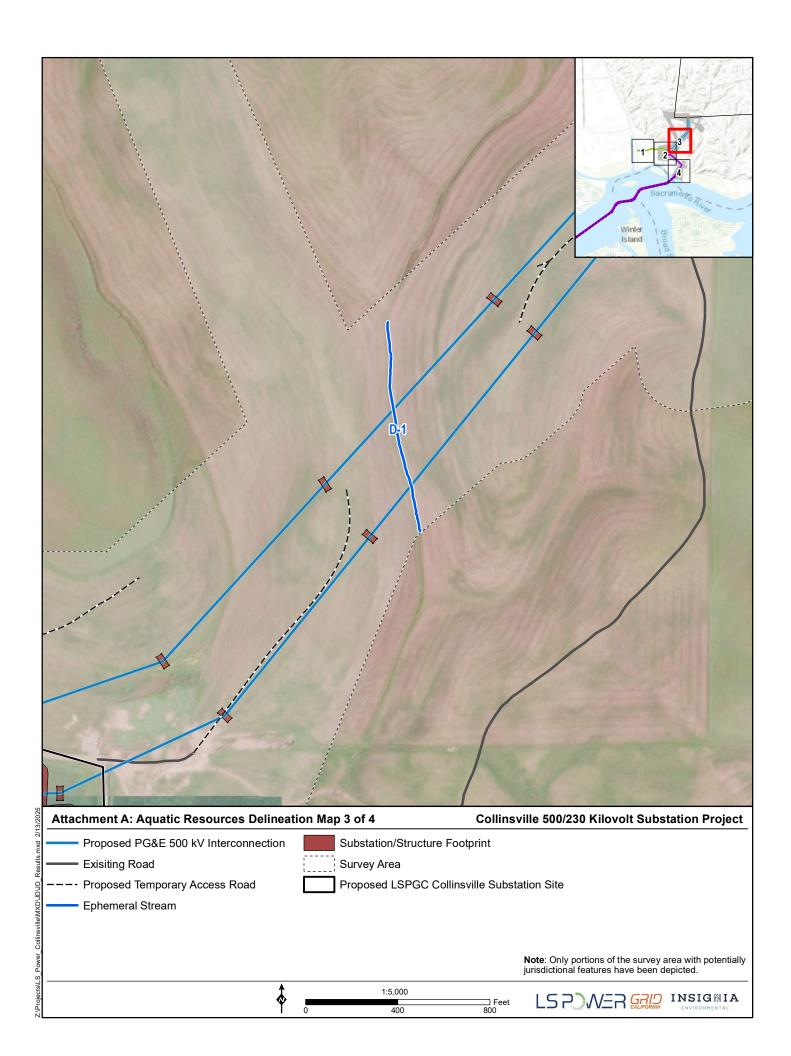
Note: Only portions of the survey area with potentially jurisdictional features have been depicted.

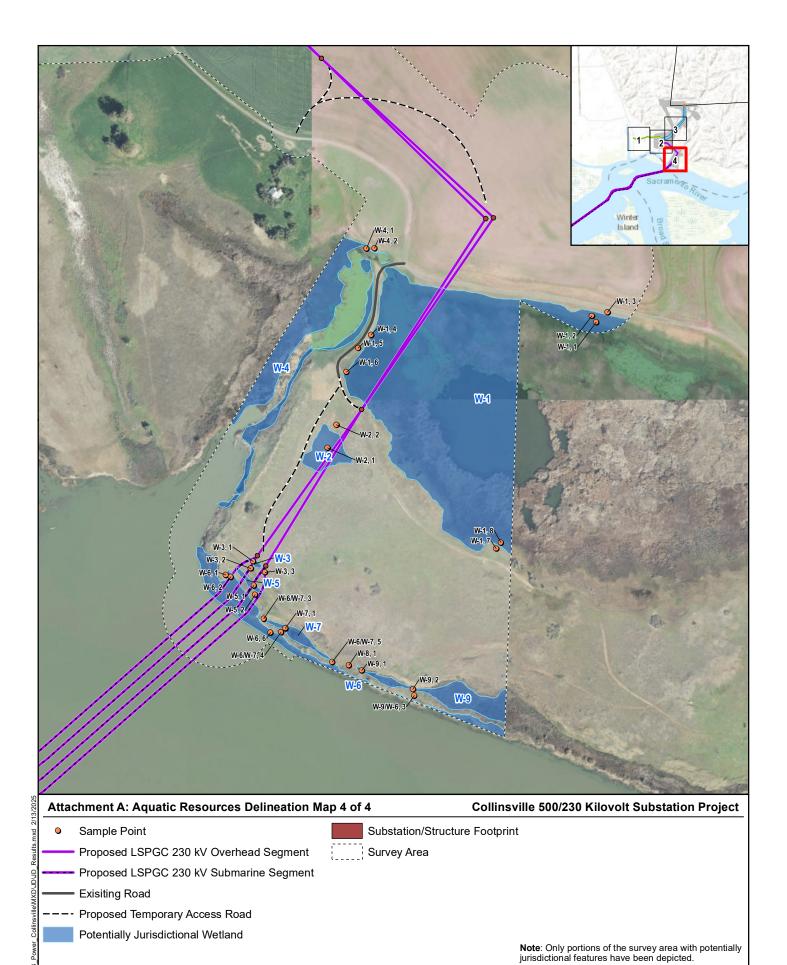












1:5,000

South Feet LSP CALIFORNIA INSIGNIA ENVIRONMENTAL

ATTACHMENT B: PHOTOGRAPH LOG

ATTACHMENT B: PHOTOGRAPH LOG



Photograph 1: Northwest-facing view of wetland sample point at W-1.



Photograph 2: East-facing view of W-1.



Photograph 3: South-facing view of wetland sample point at W-2.



Photograph 4: Northwest-facing view of wetland sample point at W-2.



Photograph 5: West-facing view of wetland sample point at W-3.



Photograph 6: Northwest-facing view of W-3.



Photograph 7: South-facing view of wetland sample point at W-4.



Photograph 8: South-facing view of W-4.



Photograph 9: Northwest-facing view of wetland sample point at W-5.



Photograph 10: North-facing view of W-5.



Photograph 11: East-facing view of wetland sample point at W-6.



Photograph 12: East-facing view of upland sample point at W-6.



Photograph 13: North-facing view of wetland sample point at W-7.



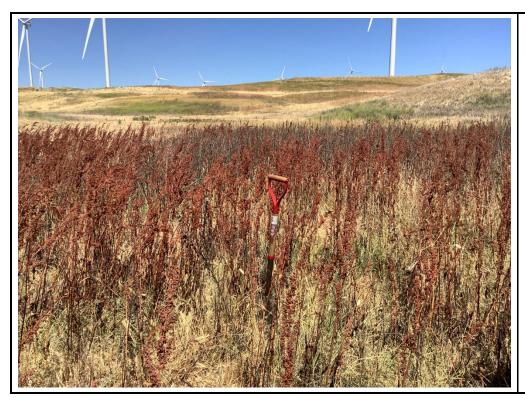
Photograph 14: South-facing view of W-7.



Photograph 15: North-facing view of wetland sample point at W-9.



Photograph 16: Southeast-facing view of W-9.



Photograph 17: East-facing view of wetland sample point at W-11.



Photograph 18: Southwest-facing view of W-11.



Photograph 19: Southwest-facing view of wetland sample point at W-12.



Photograph 20: West-facing view of W-12.



Photograph 21: North-facing view of wetland sample point at W-13.



Photograph 22: North-facing view of W-13.



Photograph 23: Northwest-facing view of wetland sample point at W-14.



Photograph 24: East-facing view of W-14.



Photograph 25: West-facing view of wetland sample point at W-15.



Photograph 26: East-facing view of W-15.



Photograph 27: West-facing view of wetland sample point at W-16.



Photograph 28: East-facing view of W-16.



Photograph 29: Northeast-facing view of wetland sample point at W-17.



Photograph 30: Northeast-facing view of W-17.



Photograph 31: Southwest-facing view of wetland sample point at W-22.



Photograph 32: North-facing view of W-22.



Photograph 33: Northeast-facing view of wetland sample point at W-23.



Photograph 34: Southwest-facing view of W-23.



Photograph 35: East-facing view of wetland sample point at W-28.



Photograph 36: South-facing view of W-28.



Photograph 37: Northeast-facing view of wetland sample point at W-29.



Photograph 38: Northwest-facing view of W-29.

ATTACHMENT C: WETLAND DETERMINATION DATA FORMS

					Arid West Region
roject/Site: CallinSville		с	ity/County:	solan	Sampling Date: 6-6-24
applicant/Owner: LS POWER					State: CA Sampling Point: SP-
	ong Vefreme	KOUGS	ection, Tow	nship, Ran	ige: SØØ T3N RJE
andform (hillslope, terrace, etc.): +c	pestope	1	ocal relief	(concave, c	convex, none): Slope (%): S
ubregion (LRR): LRR		Lat: 38.	07497	92	Long: -121.8269361 Datum: NAD 87
oil Man Unit Name: Valdez Cit	LAMA ACCIOCA	0.010	2%. 510	Pes, MI	LRA 16 NWI classification: EZEM 17
re climatic / hydrologic conditions on the	a site typical for this	time of year	r? Yes	× No	(If no, explain in Remarks.)
re Vegetation, Soil, or F					Normal Circumstances" present? Yes No
re Vegetation, Soil, or F					eded, explain any answers in Remarks.)
					ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes X No Yes X No		1000	e Sampled n a Wetlan	\
EGETATION		Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum → (Use scientific names.)	(=30	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
). 2.					
					Total Number of Dominant Species Across All Strata: (B)
					Percent of Dominant Species
- 1-1	Total Cover:	_0_			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (>\5					Prevalence Index worksheet:
					Total % Cover of: Multiply by:
l l					OBL species
					FACW species 13 x 2 = 26
·					FAC species83 x3 =241
-	Total Cover:	0			FACU speciesO x 4 =O
Herb Stratum (= 5		80	1		UPL species x 5 =
Dutichlis spiata		20	7	FAC	Column Totals: 103 (A) 282 (B)
Typna latitalia			7	GBL	Prevalence Index = B/A = 2.74
Phrasmites awtrais		-5	N	FACW OBL	Hydrophytic Vegetation Indicators:
Cotola coconopifali	^	-3	N	FAC	Dominance Test is >50%
Lepidium laticatium		-	N	FACW	Prevalence Index is ≤3.0¹
Scholagelly aut	15	1	1	OBL	Morphological Adaptations¹ (Provide supporting
Frankenia salina		10	N	FACW	data in Remarks or on a separate sheet)
. + MANNETIN SALITION	Total Cover:	1 7		1110	Problematic Hydrophytic Vegetation ¹ (Explain)
Noody Vine Stratum (515)	Total Cover.				
•					¹ Indicators of hydric soil and wetland hydrology must
2.					be present.
	Total Cover:	0			Hydrophytic
% Bare Ground in Herb Stratum	% Cover	of Biotic C	rust (\circ	Vegetation Present? Yes No
Remarks:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				2 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Sangle out located	Within Com	unia C	ringin	ishahii	spiceth allience adjust to
Sample, old located	within from	renja Sa	sina) D	which is	spiceth allience adjacent to grites extending into adjacent

-	-	

Sampling Point: SP-1

Profile Description: (Describe to the dept Depth Matrix	Red	x Feature	e		the absence	of marcators.)
(inches) Color (moist) % 0-2 2.5 43/2 60 104 4/1 35	Color (moist)	%		_Loc²	SiCL SiCL	Gley Paye
N 2,5/0 5				\equiv	S; CL	Gley Page
5-16 564 4/1 99	10482/6		C	PLIOC	SICL	Gley fage
¹ Type: C=Concentration, D=Depletion, RM=	Reduced Matrix.	² Location	: PL=Por	e Lining, R	C=Root Char	nnel, M=Matrix.
Hydric Soil Indicators: (Applicable to all I 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)	Sandy Red Stripped Ma Loamy Muc Loamy Gley Depleted M Redox Dark Depleted D	ox (S5) atrix (S6) ky Minera yed Matrix atrix (F3) x Surface (ark Surface	(F1) (F2) (F6) te (F7)		1 cm 2 cm Redu Red F	s for Problematic Hydric Soils ³ : Muck (A9) (LRR C) Muck (A10) (LRR B) ced Vertic (F18) Parent Material (TF2) (Explain in Remarks)
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Redox Dep Vernal Pool		F8)			s of hydrophytic vegetation and d hydrology must be present.
Restrictive Layer (if present): Type:						
Type: _/ \/ \/ \						
	_				Hydria Sai	I Propert 2 Vac
Depth (inches):	xture of s	even	(0100	4. Also		A11 Since Surface
Depth (inches):	xture of s ,rk (i.e, 3	12) ca	colored	. A130		7
Depth (inches): Remarks: TOP 5" Of Soil is a Milliager is predominantly da YDROLOGY	xture of s irk (i.e, 3	12) co	colored	so:1.	o meets	A11 Since surface
Depth (inches):	rk (i.e, 3	(2) ca	colored	50:1.	Seco	A11 Since Surface
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILLIAGORY YDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is suffice.	ient)	(2) ca	colore)	2. A130 30:1.	Seco	A11 Since Sorrace Indary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILLIAGORE IS Predominantly do YDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is suffice Surface Water (A1)	ient) Salt Crust	(B11)	colores	2. A130 20:1.	Seco	A11 Since Sorrace Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILLIAGORY YDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is suffice.	ient)	(B11) st (B12)	ploces	soil.	Seco	A11 Since Sorrace Indary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE COMMONTHY DATE	ient) Salt Crust Biotic Crus	(B11) st (B12) vertebrate	s (B13)	2. A130 20:1.	Seco	A11 Since Sorrace Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE AND	ient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrate Sulfide Ochizosphe	s (B13) dor (C1) res along	Soil.	Seco	A11 Since Sorrace Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE AND	ient) Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized F Presence	(B11) st (B12) vertebrate Sulfide Oc Rhizosphei of Reduce	s (B13) dor (C1) res along d Iron (C4	Living Roo	Seco	A11 Since Sorrace 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)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE AND	ient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence	(B11) st (B12) vertebrate Sulfide Oc Rhizosphei of Reduce n Reduction	s (B13) dor (C1) res along d Iron (C4 on in Plow	Living Roo	Seco	A11 Since Sorrace 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) Saturation Visible on Aerial Imagery (C9)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE COMMONTHY DEPTH DEPT	ient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence	(B11) st (B12) vertebrate Sulfide Oc Rhizosphei of Reduce n Reduction	s (B13) dor (C1) res along d Iron (C4 on in Plow	Living Roo	Seco	A11 Since Sorrace 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)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE AND	ient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence	(B11) st (B12) vertebrate Sulfide Oc Rhizosphei of Reduce n Reduction	s (B13) dor (C1) res along d Iron (C4 on in Plow	Living Roo	Seco	A11 Since Sorrace 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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE AND	ient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence	(B11) st (B12) vertebrate Sulfide Oc Rhizosphei of Reduce n Reductio	s (B13) dor (C1) res along d Iron (C4 on in Plow	Living Roo	Seco	A11 Since Sorrace 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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE AND	ient) Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence of Recent Iro Other (Exp	(B11) st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction plain in Re ches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Root) ed Soils (0	Seco 	A11 Since Sorrace 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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE (AGE IS Predominant of AGE IS AGE IS PREDOMINANT OF AGE IS	ient) Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence of Recent Iro Other (Exp	(B11) st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction clain in Re ches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Root) ved Soils (0	Seco	A11 Since Sorrace 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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE (AGE IS Primary Indicators (any one indicator is suffice 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? Vater Table Present? Vater Table Present? Ves Notice Includes capillary fringe)	ient) Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence of Recent Iro Other (Exp	(B11) st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction clain in Re ches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Root) ved Soils (0	Seco	A11 Since Sorrace 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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE (AGE IS Primary Indicators (any one indicator is suffice 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) Field Observations: Surface Water Present? Ves Notaturation Present?	ient) Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence of Recent Iro Other (Exp	(B11) st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction clain in Re ches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Root) ved Soils (0	Seco	A11 Since Sorrace 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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE (AGE IS Present Primary Indicators (any one indicator is suffice 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) Field Observations: Surface Water Present? Vater Table Present? Vater Table Present? Ves Notaturation Present?	ient) Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence of Recent Iro Other (Exp	(B11) st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction clain in Re ches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Root) ved Soils (0	Seco	A11 Since Sorrace 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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: TOP 5" Of SOIL IS A MILE (AGE IS Predominant) 36 IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is suffice) 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? Ves No.	ient) Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence of Recent Iro Other (Exp	(B11) st (B12) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction clain in Re ches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Root) ved Soils (0	Seco	A11 Since Sorrace 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) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)) FAC-Neutral Test (D5)

[W-1]

WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: COMMSUME	C	ity/County	Solano	County Sampling Date: 5-6-24
				State: CA Sampling Point: SP - Z
Investigator(s): Kuren Buch, victoria yetramer	alak s	Section Tow	nshin Pan	as: SAN TON RAF
Landform (hillslope, terrace, etc.): 10051000	10-000	ocal relief	concave e	ones and Elst Stone (9/) / 5
Subregion (LRR): LRRC	Lat: 38	07500	20	Long: _ 121.8269983 Datum: MAD 83
Soil Map Unit Name: Vardez Sit loam, dealred,	Aln 7%	SINDES 1	NLKA	Analysis C75 M P
Are climatic / hydrologic conditions on the site typical for this	time of year	r2 Voc	× No	NVI classification:
Are Vegetation, Soil, or Hydrologysi				
Are Vegetation, Soil, or Hydrology na				Normal Circumstances" present? Yes No
SUMMARY OF FINDINGS – Attach site map s				eded, explain any answers in Remarks.) Docations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No			e Sampled	
Hydric Soil Present? Yes No		100000000000000000000000000000000000000		nd? Yes No
Wetland Hydrology Present? Yes No Remarks:				103 <u>+</u> N0
SP-Z is located on a slightly	ewat	rd area	40C ~	north of SP-1. A depression is
located just north of SP-2 and 5	outh of	SP-3.		
/EGETATION				
Tree Stratum (Use scientific names.) 2-30	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
1	_/a Cover	Species	Status	Number of Dominant Species
2				That Are OBL, FACW, or FAC: (A)
3.				Total Number of Dominant Species Across All Strata: (B)
1				Species Across All Strata: (B)
Total Cover	: 0			Percent of Dominant Species
Sapling/Shrub Stratum 12 = 15	/			That Are OBL, FACW, or FAC: (A/B)
1				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
J				OBL species _ 2 5 _ x 1 = _ 35
				FACW species x 2 = 82
).				FAC species x 3 = 5
Herb Stratum (2 5 Total Cover	:_0_			FACU species x 4 =
Evanlenia salina	40	11	FACW	/ UPL species \(\tau \) x 5 = \(\tau \)
Saliconi. Pacifica	35	7		Column Totals: (A) 132 (B)
Legidian latifaliam		1	FAC	Providence to the Principle 1
Distinhis spicate	7	-14		Prevalence Index = B/A = 1,63
Atriplex Prostanta			FAC	Hydrophytic Vegetation Indicators:
Festica purennis	7	-1/	FACW	
7000		_1/	FAC	
		-		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
	Di			Problematic Hydrophytic Vegetation ¹ (Explain)
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	: 91	-		robiematic riyurophytic vegetation (Explain)
Voody Vine Stratum 2 = 15 Total Cover				
Voody Vine Stratum				1 Indicators of hudding all and a second
Voody Vine Stratum		-		Indicators of hydric soil and wetland hydrology mus be present.
voody Vine Stratum				be present.
Total Cover				be present. Hydrophytic
Total Cover		rust	<u>δ</u>	be present.

[W-1

Sampling Point: SP-Z

Depth Color (Matrix (moist)	%	Color (mois	Redox t)	%	Type ¹	Loc ²	Texture	Remarks
									Nemars
5-5 2.5	13/2	100							
									Tedax flomment
				-4~					- May Changham &
ype: C=Concentratio	n, D=Deple	tion, RM=	Reduced Matri	ix.	Location	: PL=Por	e Lining, R		
dric Soil Indicators	: (Applicat	ble to all L				ed.)		Indicators	for Problematic Hydric Soils ³ :
_ Histosol (A1)			Sandy						fuck (A9) (LRR C)
Histic Epipedon (A	2)		Strippe			<i>(</i> =4)			fuck (A10) (LRR B)
Black Histic (A3)Hydrogen Sulfide (۸۸)				y Mineral				ed Vertic (F18)
Stratified Layers (A			Loamy		ed Matrix	(F2)			arent Material (TF2)
_ 1 cm Muck (A9) (L			Redox			F6)		Other (Explain in Remarks)
∠ Depleted Below Da	rk Surface	(A11)			rk Surfac				
_ Thick Dark Surface	(A12)		Redox						
_ Sandy Mucky Mine			Vernal					³ Indicators	of hydrophytic vegetation and
Sandy Gleyed Mat								wetland	hydrology must be present.
actrictive aver (if n	resent):								
Type: N/A			_						
Type:/ / A Depth (inches):								Hydric Soil	Present? Yes No
			_					Hydric Soil	Present? Yes No No
Type:// ft			_			(Hydric Soil	Present? Yes No
Type:/\frac{A}{A} Depth (inches): emarks: *TDROLOGY						(Hydric Soil	Present? Yes No
Type:/\frac{A}{A} Depth (inches): emarks: *TDROLOGY	dicators:					?			Present? Yes No No
Type:/ A Depth (inches): emarks: /DROLOGY		tor is suffic	ient)			ç		Secon	
Type:	one indicat	tor is suffic		Crust (B11)	(Secon	idary Indicators (2 or more required)
Type:/\frac{A}{A} Depth (inches): emarks: DROLOGY retland Hydrology Inchinary Indicators (any	one indicat	tor is suffic	Salt 0		B11) t (B12)	<		Secon	idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
Type:/ A Depth (inches): emarks: //DROLOGY //etland Hydrology In rimary Indicators (any Surface Water (A1)	one indicat	tor is suffic	Salt 0	Crust		s (B13)		Secon	idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
Type:/\frac{A}{A} Depth (inches):emarks: TDROLOGY Tetland Hydrology Incimary Indicators (any Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) (one indicat) A2) Nonriverin	ie)	Salt (Biotic Aqua Hydro	Crust tic Inve ogen S	t (B12) ertebrate: Sulfide Oc	dor (C1)		Secon W s D D D	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
Type:/ A Depth (inches): emarks: PROLOGY Vetland Hydrology Intrimary Indicators (any _ Surface Water (A1) _ High Water Table (_ Saturation (A3) _ Water Marks (B1) (_ Sediment Deposits	one indicat) A2) Nonriverin (B2) (Nonr	ie) riverine)	Salt (Biotic Aqua Hydro Oxidi	Crust tic Inve ogen S zed RI	t (B12) ertebrate: Sulfide Och hizospher	dor (C1) res along	Living Roo	Secon W S D D	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Type:/	one indicat) A2) Nonriverin (B2) (Nonr (Nonriverin	ie) riverine)	Salt (Biotic Aqua Hydro Oxidi Prese	tic Investigen S zed Rience o	t (B12) ertebrate: Sulfide Oc hizosphei f Reduce	dor (C1) res along d Iron (C	4)	Secon W S D D D D ts (C3) T	Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8)
Type:/ A Depth (inches): emarks: PROLOGY Vetland Hydrology Interpretation (A1) _ High Water Table (_ Saturation (A3) _ Water Marks (B1) (_ Sediment Deposits _ Drift Deposits (B3) _ Surface Soil Crack	one indicat) A2) Nonriverin (B2) (Nonriverin (Nonriverir s (B6)	ne) riverine) ne)	Salt (Biotic Aqua Hydro Oxidi Prese Rece	c Crust tic Inve ogen S zed Ri ence o	t (B12) ertebrate: Sulfide Oc hizosphei f Reduce i Reduction	dor (C1) res along d Iron (Co on in Ploy		Secon W S D D D D ts (C3) T	Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8)
Type:	one indicat) A2) Nonriverin (B2) (Nonriverin (Nonriverin s (B6) on Aerial Im	ne) riverine) ne)	Salt (Biotic Aqua Hydro Oxidi Prese Rece	c Crust tic Inve ogen S zed Ri ence o	t (B12) ertebrate: Sulfide Oc hizosphei f Reduce	dor (C1) res along d Iron (Co on in Ploy	4)	Secon Secon S S D L D T C C C C C C C C C C C C	Idary 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) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Type:/ A Depth (inches): emarks: TDROLOGY Tetland Hydrology Incimary Indicators (any Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) (Sediment Deposits (B3) Drift Deposits (B3) Surface Soil Crack- Inundation Visible (Water-Stained Lea	one indicat) A2) Nonriverin (B2) (Nonriverin (Nonriverin s (B6) on Aerial Im	ne) riverine) ne)	Salt (Biotic Aqua Hydro Oxidi Prese Rece	c Crust tic Inve ogen S zed Ri ence o	t (B12) ertebrate: Sulfide Oc hizosphei f Reduce i Reduction	dor (C1) res along d Iron (Co on in Ploy	4)	Secon Secon S S D L D T C C C C C C C C C C C C	Idary 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) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
Type:/	one indication A2) Nonriverin (B2) (Nonriverin (Nonriverin s (B6) on Aerial Im	ne) riverine) ne) nagery (B7)	Salt (Biotic Aqua Hydre Oxidi Prese Other	c Crust tic Invo ogen S zed Ri ence o nt Iron r (Expl	t (B12) ertebrate Sulfide Oc hizospher f Reduce n Reduction lain in Re	dor (C1) res along d Iron (Co on in Plov marks)	4) ved Soils (C	Secon Secon S S D L D T C C C C C C C C C C C C	Idary 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) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Type:/	one indicate (Nonriverin (B2) (Nonri (Nonriverin (Nonriverin s (B6) on Aerial Im ves (B9)	ne) riverine) ne) nagery (B7)	Salt C Biotic Aqua Hydre Oxidi Prese Rece Other	c Crust tic Inve ogen S zed Ri ence o nt Iron r (Expl	t (B12) ertebrate: Sulfide Ochizospher f Reduce n Reduction ain in Re	dor (C1) res along d Iron (Co on in Plov marks)	4) ved Soils (0	Secon Secon S S D L D T C C C C C C C C C C C C	Idary 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) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Type:/	Nonriverin (B2) (Nonriverin (S (B6)) (Nonriverin (S (B6)) (Nonriverin (S (B6)) (Nonriverin	ne) riverine) ne) nagery (B7) s N s N	Salt C Biotic Aqua Hydre Oxidi Prese Rece Other	c Crust tic Invo ogen S zed Ri ence o nt Iron r (Expl th (inc	t (B12) ertebrate: Sulfide Ochizospher f Reduce: Reduction in Re hes): hes):	dor (C1) res along d Iron (Co on in Plov marks)	4) wed Soils (0	Secon Secon S S D T C C C C C C C C C C C C	Idary 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) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Type:/ A Depth (inches): emarks: PROLOGY Vetland Hydrology In rimary Indicators (any Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) (Sediment Deposits Drift Deposits (B3) Surface Soil Crack Inundation Visible (Water-Stained Lea ield Observations: urface Water Present? vaturation Present? aturation Present? includes capillary fringer	one indicat A2) Nonriverin (B2) (Nonr (Nonriverin s (B6) on Aerial Im ves (B9) Yes Yes e)	ne) riverine) ne) nagery (B7) s N s N	Salt C Biotic Aqua Hydro Oxidi Prese Rece Other	c Crust tic Invo ogen S zed RI ence o nt Iron r (Expl th (inc th (inc	t (B12) ertebrate: Sulfide Ochizospher f Reduce: Reduction in Re hes): hes):	dor (C1) res along d Iron (C- on in Plov marks)	4) ved Soils (C	Secon W S D D ts (C3) T C6) S S F	Idary 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) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3) AC-Neutral Test (D5)
Type:/ / A Depth (inches):	one indicat A2) Nonriverin (B2) (Nonr (Nonriverin s (B6) on Aerial Im ves (B9) Yes Yes e)	ne) riverine) ne) nagery (B7) s N s N	Salt C Biotic Aqua Hydro Oxidi Prese Rece Other	c Crust tic Invo ogen S zed RI ence o nt Iron r (Expl th (inc th (inc	t (B12) ertebrate: Sulfide Ochizospher f Reduce: Reduction in Re hes): hes):	dor (C1) res along d Iron (C- on in Plov marks)	4) ved Soils (C	Secon W S D D ts (C3) T C6) S S F	Idary 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) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inches): emarks: PROLOGY Vetland Hydrology Internated Inches Inch	one indicat A2) Nonriverin (B2) (Nonr (Nonriverin s (B6) on Aerial Im ves (B9) Yes Yes 2 3 (stream g	ne) riverine) ne) sagery (B7) s N s N s N gauge, mor	Salt C Biotic Aqua Hydro Oxidi Prese Cother Depro	c Crust tic Invo ogen S zed RI ence o ont Iron r (Expl th (inc) th (inc) th (inc)	t (B12) ertebrate: Sulfide Ochizospher f Reduce: Reduction lain in Re hes): hes): hes):	dor (C1) res along d Iron (C- on in Plov marks)	4) ved Soils (C	Secon W S D D ts (C3) T C6) S S F	Idary 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) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inches): emarks: DROLOGY etland Hydrology In imary Indicators (any Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) (Sediment Deposits (B3) Surface Soil Crack Inundation Visible (Water-Stained Lea eld Observations: urface Water Present? ater Table Present? ater Table Present? cludes capillary fringe	one indicat A2) Nonriverin (B2) (Nonr (Nonriverin s (B6) on Aerial Im ves (B9) Yes Yes 2 3 (stream g	ne) riverine) ne) sagery (B7) s N s N s N gauge, mor	Salt C Biotic Aqua Hydro Oxidi Prese Cother Depro	c Crust tic Invo ogen S zed RI ence o ont Iron r (Expl th (inc) th (inc) th (inc)	t (B12) ertebrate: Sulfide Ochizospher f Reduce: Reduction lain in Re hes): hes): hes):	dor (C1) res along d Iron (C- on in Plov marks)	4) ved Soils (C	Secon W S D D ts (C3) T C6) S S F	Idary 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) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)

		C-1622 (Grath
Project/Site: COMMSMILE	City/County:	Soluno (ounty Sampling Date: 5-6-24
Applicant/Owner: LS Power		State: CA Sampling Point: SP-Z
Investigator(s): Kuren Bach, victory yetron	Section, Tow	nship, Range: SØØ T3N RAE
Landform (hillslope, terrace, etc.): 1065190	Local relief (concave, convex, none): 44 Slope (%): 45
Subregion (LRR): LRRC	Lat: <u>38.07506</u>	20 Long: -121.8269983 Datum: NAD 83
Soil Map Unit Name: Vandez Sit lang drame	1, 010 LG SIOPCS, 1	NWI classification: EZEM P
Are climatic / hydrologic conditions on the site typical for t	his time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology		Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology		(If needed, explain any answers in Remarks.)
		point locations, transects, important features, etc.
Hydrophytic Vegetation Present? YesX_	No Is the	Sampled Area
Hydric Soil Present? Yes		a Wetland? Yes No
Wetland Hydrology Present? Yes	No	
Remarks:	· promotel area	but north of SP-1, Adepression is
SP-L 13 locates on a still ht	y encouring an ear	just north of SP-1. Adepression is
located just north of SP-2 and	South of Sp-3.	
VEGETATION		- United Deminares Test weekshoots
Tree Stratum (Use scientific names.) 2-30	Absolute Dominant I	
1		That Are OBL, FACW, or FAC: (A)
2. •		Total Number of Dominant
3		
4		Percent of Dominant Species
Total Cove	er: O	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum 2 = 15	,	Prevalence Index worksheet:
1		Total % Cover of: Multiply by:
2		OBL species 25 x1= 35
3		FACW species VI x2= 82
5.		FAC species x 3 = \ 5
Total Cove	er: 8	FACU species x 4 = 7
Herb Stratum		UPL species x 5 =
1. Frankenia salina		ACW Column Totals: 8 (A) 132 (B)
2. Saliconia partica		OBL V/3
3. Lepidium latifolium		Prevalence Index = B/A = 1,63
4. Distichlis spicate		Hydrophytic Vegetation Indicators:
5. Atriplax frostrata		AcW Dominance Test is >50%
6. Fistica puternis	-2N	Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
7		data in Remarks or on a separate sheet)
8	01	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum 72 = 15 Total Cove	r:	
1		¹ Indicators of hydric soil and wetland hydrology must
2		be present.
Total Cove	r: 81	Hydrophytic
^	r of Biotic Crust	Vegetation Present? Yes No
Remarks:	or blotte crust	Present res_/ No
Norman's.		

				- Arid West Region
Project/Site: Collinsville	c	city/County:	Solan	Sampling Date: 5-6-2
Applicant/Owner: LS POWER				State: CA Sampling Point: State:
nvestigator(s): Karen Bach, Victoria tefrommuna	ava_s	Section, Tov	wnship, Rar	nge: SØØ T3N R1E
andform (hillslope, terrace, etc.): 100510PC		Local relief	(concave, c	convex, none): _Slope Slope (%): S
subregion (LRR): LRRC	Lat: 38.	07510	80	Long: -121,8267615 Datum: NAD 83
soil Map Unit Name: Valde 2 5:12 loan drained				
are climatic / hydrologic conditions on the site typical for this				
re Vegetation, Soil, or Hydrologysi				
are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s	showing	sampling	g point ic	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	×_	Is the	e Sampled	Area
Hydric Soil Present? Yes No	0_X_	with	in a Wetlan	nd? Yes No
Wetland Hydrology Present? Yes No	·_X_			
Remarks: SP-3 is located sux downslope of	9914	road.	Minor	amonts of fill material observed
Sp-3 is located soft downstage of with soil pit but bill texture is consist		alber 1		and is to liveton (sp-1 and sp-2)
within soil pit but bil texture is consist	ut mith	OTICE S	MAC 210	(710) FT 443 122 NO. (5)
/EGETATION				A.P. A.L.
	Absolute	Dominant		Dominance Test worksheet:
	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1				That Are OBL, FACW, or FAC: (A)
2			_	Total Number of Dominant Species Across All Strata: 2 (B)
3 4.				Species Across All Strata: (B)
Total Cover	0			Percent of Dominant Species That Are OBL, FACW, or FAC: 50 % (A/B)
Sapling/Shrub Stratum (=15				That Are OBL, FACW, or FAC: (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 = 0
4	. —			FACW species x 2 =
5				FAC species x 3 =
Herb Stratum (=5	:			FACU species 1 x4 = 244
1. Hordern murinum	60	V	FACU	UPL species $x = 5$ Column Totals: 120 (A) 4120 (B)
2. Festuca perrenis	45	4	FAC	Column Totals. 120 (A) 2720 (B)
3. Distichlis coicata	10	N	PAC	Prevalence Index = B/A = 3.5
4. Frankinia salina	3	N	FALW	Hydrophytic Vegetation Indicators:
5. Reastica nigra	1	N	UPL	Dominance Test is >50%
6. Mullella leprosa	1	N	KALU	Prevalence Index is ≤3.0¹
7				Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
Total Cover	120			Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum				¹ Indicators of hydric soil and wetland hydrology must
1				be present.
2				Hydrophytic
Total Cover		,	2	Vegetation
% Bare Ground in Herb Stratum % Cover	r of Biotic C	rust	2	Present? Yes No _X
Remarks:				

	cription: (Describe to	o the dept	th needed to	docum	nent the i	ndicator o	or confir	m the absence of	indicators.)
Depth	Matrix			Redox	K Features	s	12	+ .	
(inches)	Color (moist)		Color (mois				Loc ²		Remarks
3.5	organia lage	d		_					
0-8	2.54 3/2	99	1042	3/6	41	L	Μ	SICL	
8-11	1072 4/3	80	7,512	4/6	20	C	Μ	SICL	
11-15	101/2 4/1	80	7.5 YR	3/4	20	C	M	SICL	
Tuno: C=C	oncentration, D=Deple	tion DM-	Doduced Met				Lining	PC=Post Channel	I M=Matrix
	Indicators: (Applicat						Lilling,		or Problematic Hydric Soils ³ :
Histosol		to all t	Sandy			J.J.,			ck (A9) (LRR C)
	pipedon (A2)				trix (S6)				ck (A9) (LRR B)
Black Hi			Loamy			(F1)			Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy						ent Material (TF2)
	Layers (A5) (LRR C)				atrix (F3)			Other (Ex	xplain in Remarks)
	ick (A9) (LRR D)				Surface (7.0			
	Below Dark Surface	(A11)			rk Surfac	100			
			Podov	Denre	essions (F	E8) ?			
	ark Surface (A12)					0)		2	
_ Sandy M	lucky Mineral (S1)		Verna			0)			hydrophytic vegetation and
_ Sandy M _ Sandy G	lucky Mineral (S1) leyed Matrix (S4)								hydrophytic vegetation and ydrology must be present.
Sandy M Sandy G Restrictive L	lucky Mineral (S1) eleyed Matrix (S4) Layer (if present):		Verna						시구래의 그렇게 가게 하는 그리다면 하나 하는 사람이 되었다.
Sandy M Sandy G Restrictive L Type:	lucky Mineral (S1) eleyed Matrix (S4) Layer (if present):		Verna					wetland hy	ydrology must be present.
Sandy M Sandy G Restrictive L Type: Depth (inc	lucky Mineral (S1) eleyed Matrix (S4) Layer (if present):		Verna					wetland hy	시구, (1) 그렇게 가게 다른 점을 가지 않는 네트로 되었다.
Sandy M Sandy G Sandy G Sestrictive L Type: Depth (inclinemarks: //DROLOG //etland Hyd rimary Indic Surface N High Wat Saturatio	ducky Mineral (S1) sleyed Matrix (S4) Layer (if present): Ches): Ches): drology Indicators: ators (any one indicator Vater (A1) ter Table (A2) In (A3)	or is suffic	ient) Salt (Biotic Aqua	Crust (B11) t (B12) ertebrates	s (B13)		Wetland hy Hydric Soil Pri Seconda Wat Seconda Drift	ydrology must be present.
Sandy M Sandy G Sandy G Restrictive L Type: Depth (includer of the color of the col	ducky Mineral (S1) sleyed Matrix (S4) Layer (if present): ches): ches): drology Indicators: ators (any one indicator (Nater (A1)) ter Table (A2)	or is suffic	ient) Salt (Aqua Hydro	Crust (ic Crust tic Invegen S	B11) t (B12) ertebrates	s (B13) dor (C1)	.ivina Ra	Seconda Seconda Seconda Drif Dra Dry	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) the Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2)
Sandy M Sandy G Sandy G Restrictive L Type: Depth (included) Remarks: //DROLOG //etland Hyd //rimary Indic Surface N High Wat Saturatio Water Ma Sediment	GY Irology Indicators: ators (any one indicator (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine	or is suffic e) iverine)	ient) Salt (Biotic Aqua Hydro	Crust (ic Crust tic Invegen S	B11) t (B12) ertebrates Sulfide Od	s (B13) for (C1) res along I		Seconda Seconda Seconda Drift Dra Dry oots (C3) Thin	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7)
Sandy M Sandy G Sandy G Sestrictive L Type: Depth (inc semarks: Demarks: Demarks	GY Irology Indicators: ators (any one indicator Vater (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine)	or is suffic e) iverine)	ient) Salt (Biotic Aqua Hydro	Crust (ic Crust tic Investigen State of the Crust S	B11) t (B12) ertebrates Sulfide Ochizospher f Reduce	s (B13) dor (C1) res along I d Iron (C4)	Seconda	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) to Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) hyfish Burrows (C8)
Sandy M Sandy G Sandy G Sestrictive L Type: Depth (inc semarks: DROLOG Setland Hyd rimary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Dept Surface S	GY Irology Indicators: ators (any one indicator Vater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine Soil Cracks (B6)	or is suffic e) iverine) ie)	ient) Salt C Biotic Aqua Hydra Oxidi Prese Rece	Crust (ic Crust tic Investigen Speed Riverse on the Iron	B11) t (B12) ertebrates Sulfide Od hizospher f Reduce	s (B13) dor (C1) res along I d Iron (C4 on in Plow)	Seconda	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) n Muck Surface (C7) tyfish Burrows (C8) uration Visible on Aerial Imagery (C
Sandy M Sandy G estrictive L Type: Depth (incemarks: DROLOG etland Hydrimary Indice High Wate Saturatio Water Ma Sediment Drift Depte Surface S Inundatio	GY Irology Indicators: ators (any one indicator (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine (B2) (Nonriverine (B3) (Nonriverine (B	or is suffic e) iverine) ie)	ient) Salt (Biotic Aqua Hydro Oxidi Prese	Crust (ic Crust tic Investigen Speed Riverse on the Iron	B11) t (B12) ertebrates Sulfide Od hizospher f Reduce	s (B13) dor (C1) res along I d Iron (C4 on in Plow)	Seconda Seconda Seconda Seconda Drif Dra Dry oots (C3) Cra (C6) Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) n Muck Surface (C7) tyfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Sandy M Sandy G Sestrictive L Type: Depth (inclemarks: //DROLOG /etland Hydrimary Indice Surface N High Wate Saturatio Water Ma Sediment Drift Dep Surface S Inundatio Water-St	GY Irology Indicators: ators (any one indicator (A3) arks (B1) (Nonriverine (B2) (Nonriverine (B3) (Nonriverine (B3) (Nonriverine (B4) (N	or is suffic e) iverine) ie)	ient) Salt C Biotic Aqua Hydra Oxidi Prese Rece	Crust (ic Crust tic Investigen Speed Riverse on the Iron	B11) t (B12) ertebrates Sulfide Od hizospher f Reduce	s (B13) dor (C1) res along I d Iron (C4 on in Plow)	Seconda Seconda Seconda Seconda Drif Dra Dry oots (C3) Cra (C6) Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) n Muck Surface (C7) tyfish Burrows (C8) uration Visible on Aerial Imagery (C
Sandy M Sandy G Sestrictive L Type: Depth (inclemarks: POROLOG Vetland Hyd rimary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Depth Surface S Inundatio Water-St eld Observ	GY Irology Indicators: ators (any one indicator Atter (A1) ter Table (A2) n (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine Soil Cracks (B6) on Visible on Aerial Imagined Leaves (B9) stations:	or is suffice e) iverine) ie) agery (B7)	ient) Salt (Biotic Aqua Hydro Oxidi: Prese Rece Other	Crust (Crust (Crust tic Invegen Sized Rience of Item)	B11) t (B12) ertebrates Sulfide Od hizospher f Reduced Reduction	s (B13) dor (C1) res along I d Iron (C4 on in Plow marks)) ed Soils	Seconda Seconda Seconda Seconda Drif Dra Dry oots (C3) Cra (C6) Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) n Muck Surface (C7) tyfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Sandy M Sandy G Sestrictive L Type: Depth (inc Semarks: **POROLOG** Vetland Hyd rimary Indic Surface N High Wat Saturatio Water Ma Sediment Drift Depth Surface S Inundatio Water-St ield Observ urface Water	ducky Mineral (S1) feleyed Matrix (S4) Layer (if present): Ches): Ches Ches Ches Ches Ches Ches Ches Ches	or is suffice e) iverine) agery (B7)	ient) Salt (Biotic Aqua Hydro Oxidi Prese Rece Other	Crust (ic Crust tic Investigen State of the Iron (Explicit time)	B11) t (B12) ertebrates Sulfide Od hizospher f Reduces Reduction	s (B13) dor (C1) res along I d Iron (C4 on in Plow marks)) ed Soils	Seconda Second	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) n Muck Surface (C7) tyfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Sandy M Sandy G Sestrictive L Type: Depth (inc Remarks: **TOROLOG** Vetland Hyd rimary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Depo	GY Irology Indicators: ators (any one indicator (A3) arks (B1) (Nonriverine (B2) (Nonriverine (B3) (N	or is suffice e) iverine) ie) agery (B7)	ient) Salt (Biotic Aqua Hydro Oxidi: Prese Rece Other	Crust (ic Crust tic Invegen Street of International Crust title Invegen Street of Italian (Explicit for Control of Italian (Inclined the Control of Italian (Inclined	B11) t (B12) ertebrates Sulfide Ochizospher f Reduces a Reduction ain in Res thes): thes):	s (B13) dor (C1) res along I d Iron (C4 on in Plow marks)	ed Soils	Seconda Seconda Seconda Seconda Seconda Drift Dra Dry oots (C3) Thin Cra (C6) Sat FAC	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) n Muck Surface (C7) tyfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)

W-I

WETLAND DETERMINATION DATA FORM - Arid West Region

Chyclounty Solicio Sampling Date 5-6-7 Sampling Date 5-6-7 Sampling Point \$\int \text{P} - \text{Q} \text{Constant Once} \text{Victors of Cach Victors of Constant Once} Section, Township, Range \$\int \text{Victors of Cach Victors of Constant Victors of Constant Once} Section, Township, Range \$\int Victors of Cach Victors of Constant Victors of Cach Victors of Ca	(211)					6/-
Machael Mach	Project/Site: COTTI 1500 TE			City/County	: <u>Sola</u>	no County Sampling Date: 5-6-2
Total Cover Cover of Biotic Crust Cover of	Applicant/Owner:					State: CA Sampling Point: SP - 4
Solid Map Unit Name: Voldez Stray Close 100 (AR): Lat 38.074 8 4 Long: -121.83.034 3 Datum: MAD 2 50 Map Unit Name: Voldez Stray Close 100 (AR) Solid Map Unit Name: Voldez Stray Close	nvestigator(s): Raren Dach, Victor	a Jetcon	MOJU.	Section, To	wnship, Ra	ange: SOD T3N R1E
Total Cover. Tota	andform (hillslope, terrace, etc.):	slope		Local relie	f (concave,	convex, none): Slope (%):
Total Cover. Tota	Subregion (LRR): LRR C		Lat: <u>38</u>	.0748	484	Long: -121.83 03343 Datum: NAD &
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 re Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances' present? Yes No re Vegetation Soil or Hydrology naturally problematic? ISUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, ethydrophytic Vegetation Present? Hydrophytic Vegetation Present? Yes No within a Wetland? Yes No within a Wetland? Are Sampled Area within a Wetland? Yes No No Norman Indicator Species Status Services Across All Strats: (B) Ferenarias: FEGETATION Tree Stratum (Use scientific names.) (SD Norman Indicator Species Across All Strats: (B) Ferenarias Stratum (Use scientific names.) (SD Norman Indicator Species Across All Strats: (B) Ferenarias Species Across All Strats: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant Species That Are OBL, FACW, or FAC: (B) Prevalence Index worksheet: (B) Total Cover: OBL Species SD X 1 = OBL Species SD X 2 = Indicator Species SD X	ioil Map Unit Name: Valdez Sity cl	ay lown, s	Frongly	Saline,	000で%	STOPES NWI classification: N/A
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.) ###################################	re climatic / hydrologic conditions on the site	typical for this	time of year	ar? Yes	X No_	(If no, explain in Remarks.)
Soli						./
### Stratum (Use scientific names.) ### Total Cover: Total Cover: Carolus Faculty Carolus Caro	re Vegetation, Soil, or Hydro	logy na	aturally pro	blematic?		
Hydrophytic Vegetation Present? Yes No No within a Wetland? Yes No No Wetland Hydrology Present? Yes No No within a Wetland? Yes No No Wetland Hydrology Present? Yes No No within a Wetland? Yes No No Wetland? Yes No No Wetland? Yes No No Wetland? Yes No No Wetland? Yes No Wetland? Yes No No Wetland? Yes No Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes No Yes						
Absolute Species Status Species Sp	Hydric Soil Present? Ye Wetland Hydrology Present? Ye	es No		115.53		A
Total Number of Dominant Species Across All Strata:	Tree Stratum (Use scientific names.)		% Cover	Species?	Status	Number of Dominant Species
Sapling/Shrub Stratum (= S Total Cover: O Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species O						
Total Cover: O Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B (A/B 100 (A/B (A/	3					
Prevalence Index worksheet: Total & Cover of Multiply by: OBL species O	4		-			Percent of Dominant Species
Total % Cover of: Multiply by: 3	Sapling/Shrub Stratum (=15)	Total Cover:				That Are OBL, FACW, or FAC:(A/B)
OBL species	1.					Prevalence Index worksheet:
FACW species 83 x 2 = 166 FAC species 0 x 3 = 0 FACU species 2 x 4 = 8 UPL species 2 x 4 = 8 UPL species 1 x 5 = 5 Column Totals: 87 (A) 179 (B) Prevalence Index = B/A = 2.05 Hydrophytic Vegetation Indicators: Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Indicators of hydric soil and wetland hydrology must be present.	2					
FAC species						The state of the s
Total Cover: O Herb Stratum (= 5) Frankusia salina Higher Marinum Tell Cover: O Frankusia salina Higher Marinum Tell Cover: O Frankusia salina Higher Marinum Tell Cover: O Frankusia salina Frankus percies 2 x 4 = 8 UPL species 1 x 5 = 5 Column Totals: 87 (A) 179 (B) Prevalence Index = B/A = 2.05 Hydrophytic Vegetation Indicators: X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Present? Yes X No	l,					
Herb Stratum	5					^
Franking Salina SV FACW Column Totals: S7 (A) 179 (B)	Herb Stratum C-C	Total Cover:				FACU species X4=
Harden mainum N FACU Prevalence Index = B/A = 2.05 Hydrophytic Vegetation Indicators: N FACU Prevalence Index = B/A = 2.05 Hydrophytic Vegetation Indicators: N UPL Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Woody Vine Stratum	Frankinia salina		80	4	FACW	07 100
Prevalence Index = B/A = 2.05 N				N	FACU	
Sily bum marianum N UPL X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)	. Festuca perronis		1	N	TACU	Prevalence Index = B/A = 2,05
A + n pux prostruit 3	. Cardous Pycholephalus			N		
Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present. Total Cover:				N		
data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present. Total Cover:	a. Atoplex prostanta		_3	N	EACM	
Total Cover:	7					
Total Cover:	3		0-			
1 Indicators of hydric soil and wetland hydrology must be present. Total Cover:	Woody Vine Stratum (= 15)	Total Cover:	N/			
Total Cover: Hydrophytic We Bare Ground in Herb Stratum % Cover of Biotic Crust Present? Yes No						
% Bare Ground in Herb Stratum % Cover of Biotic Crust Vegetation Present? Yes No	2					
% Bare Ground in Herb Stratum % Cover of Biotic Crust Present? Yes No		Total Cover:	0			
Remarks:	% Bare Ground in Herb Stratum	_ % Cover o	of Biotic Cr	ust)	Present? Yes No
	Remarks:					

_	-		
•	<i>r</i> 1	ш	
•	u	ш	

Sampling Point: SP-4

O-2.5 Of Grand	Color (moist)	%	Type'	Loc	Texture	Remarks
			_			
Morther	- 1				00.01	
0-3 10YP 2/2 99						
3-12.52.54 4/2 75	10412 4/6	7.5	C	M	SILL	
		_				
Type: C=Concentration, D=Depletion, RM lydric 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) Restrictive Layer (if present): Type: Depth (inches):	LRRs, unless other Sandy Red Stripped Ma Loamy Muc Loamy Gley Depleted M Redox Dark Depleted D Redox Dep Vernal Poo	ox (S5) atrix (S6) ky Mineral yed Matrix atrix (F3) x Surface (ark Surface ressions (I	(F1) (F2) (F6) e (F7)	re Lining, I	Indicators for 1 cm Muc 2 cm Muc Reduced Red Pare Other (Ex	M=Matrix. r Problematic Hydric Soils³: ck (A9) (LRR C) ck (A10) (LRR B) Vertic (F18) nt Material (TF2) plain in Remarks) hydrophytic vegetation and drology must be present.
/DROLOGY						
Vetland Hydrology Indicators:	Loca III					ry Indicators (2 or more required)
Primary Indicators (any one indicator is suf						er Marks (B1) (Riverine)
Surface Water (A1)	Salt Crust					ment Deposits (B2) (Riverine)
High Water Table (A2)	Biotic Cru		(040)			Deposits (B3) (Riverine)
Saturation (A3)	Aquatic In				10 m	nage Patterns (B10) Season Water Table (C2)
Water Marks (B1) (Nonriverine)	Hydrogen					
Sediment Deposits (B2) (Nonriverine)						Muck Surface (C7)
Drift Deposits (B3) (Nonriverine)	Presence					rfish Burrows (C8) Iration Visible on Aerial Imagery (C9
∠ Surface Soil Cracks (B6)	Recent Iro			wed Solls (
Inundation Visible on Aerial Imagery (B	7) Other (Ex	plain in Re	marks)		N-2	llow Aquitard (D3) -Neutral Test (D5)
Water-Stained Leaves (B9)					_ 170	-Neutral Test (D3)
Field Observations:	~					
	No Depth (in					
Tator rabio i roccini	No Depth (in			=		Present? Yes No
Saturation Present? Yes includes capillary fringe) Describe Recorded Data (stream gauge, m	No Depth (in		evious in			resent? Yes // No
Describe Recorded Data (stream gauge, m	omening went comm	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Remarks:						
24.0						
4						
不發						



WETLAND DETERMINATION DATA FORM – Arid West Region

roject/Site: CONINVINE						Sampling Date: 5-7-24
pplicant/Owner: LS Po Wer		1	-		State: CA	Sampling Point: SP-S
vestigator(s): Karen Buch, Victoria	Yetremenke	Na :	Section, To	wnship, Rai	nge: SDO T3N	RIE
andform (hillslope, terrace, etc.): _ Foots	1020	- 1	Local relief	(concave,	convex, none): Sligh	+ 510Pe_ Slope (%):
ubregion (LRR): LRR C		Lat: 38	.07468	72	Long:121.83.05	195 Datum: NADS
oil Map Unit Name: Vandez Sitty Cla						
e climatic / hydrologic conditions on the site	typical for this	time of year	ar? Yes	X No_	(If no, explain in F	Remarks.)
e Vegetation, Soil, or Hydro						
e Vegetation, Soil, or Hydro						
UMMARY OF FINDINGS - Attacl						
	es <u>×</u> No		Is th	e Sampled	Area	
	es X No		with	in a Wetlar	nd? Yes	No_X
Vetland Hydrology Present? Your Remarks:	es No	X			1.10	
ECETATION						
EGETATION		Absoluto	Dominant	Indicator	Dominance Test wor	ksheet:
ree Stratum (Use scientific names.)		Absolute % Cover	Species?		Number of Dominant S	Species >
					That Are OBL, FACW,	or FAC: (A)
					Total Number of Domi	nant . 1
· <u></u>					Species Across All Str	ata: (B)
·					Percent of Dominant S	Species 75'/
Sapling/Shrub Stratum	Total Cover:		,		That Are OBL, FACW,	or FAC: (A/B
. Publis en meniens		25		FAC	Prevalence Index wo	rksheet:
. Dosa Californica		70	4	FAC		Multiply by:
						x 1 =
						x 2 =
						x 3 = x 4 =
- A Charles	Total Cover:	95		61		x5=
erb Stratum Cardus Pychoaphalus		2	\sim	UPL		(A) (B
Canium macalesto	m	15		FACW	N = 1 10 5	
Markubjan Valgare		1.0	1	FACU		x = B/A =
			/		Hydrophytic Vegetat	
					<u>≯</u> Dominance Test	
					Prevalence Index	aptations¹ (Provide supporting
					data in Remar	ks or on a separate sheet)
					Problematic Hydr	ophytic Vegetation ¹ (Explain)
No adv. Vina Stratum	Total Cover:	01				
Voody Vine Stratum						oil and wetland hydrology must
					be present.	
	Total Cover:	0		~	Hydrophytic	,
			runt (0	Vegetation Present? Y	es No
(Base Count in Hosh Stratum	% Cover	of Biotic C	lust			
% Bare Ground in Herb Stratum	% Cover	of Biotic C	iust		11.000	
6 Bare Ground in Herb Stratum	% Cover	of Biotic C	iust			

[W-I

SOIL

Sampling Point: SP-S

Depth (inches)	Color (moist)	%	Redox Features Color (moist) %	Type ¹ Loc ²	Texture	Remarks
inches	Color (moist)		Color (moist) /u	1,00	Tontaro	Nomano
2-12	104/2 2/	95	5/R 4/6 5	C PL	SICL	Relax Homent
2-16	10/0 4/3	98	7.5 YR 4/4 2	M	SILL	
			Reduced Matrix. ² Location: LRRs, unless otherwise note Sandy Redox (S5)	PL=Pore Lining, F	Indicators	nel, M=Matrix. s for Problematic Hydric Soils³: Muck (A9) (LRR C)
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)		Stripped Matrix (S6) Loamy Mucky Mineral Loamy Gleyed Matrix (Depleted Matrix (F3) Redox Dark Surface (F Depleted Dark Surface Redox Depressions (F	(F2) F6) e (F7)	Reduc	Muck (A10) (LRR B) ced Vertic (F18) carent Material (TF2) (Explain in Remarks)
			Vernal Pools (F9)	-,		of hydrophytic vegetation and
_ Sandy (estrictive Type: Depth (in	Mucky Mineral (S1) Gleyed Matrix (S4) Layer (if present):					I Present? Yes No
_ Sandy (estrictive Type: Depth (in	Gleyed Matrix (S4) Layer (if present): Ches):					V
_ Sandy (estrictive Type: Depth (in emarks:	Gleyed Matrix (S4) Layer (if present): Ches):				Hydric Soil	I Present? Yes No
Sandy Cestrictive Type: Depth (in emarks: DROLO Tetland Hy imary India Surface High Water N Sedimer Drift Dep Surface Inundatia Water-S Water-S	Gleyed Matrix (S4) Layer (if present): Ches): Ches):	cator is suffic rine) nriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Ode Oxidized Rhizosphere Presence of Reduced Recent Iron Reductio	or (C1) es along Living Ro d Iron (C4) on in Plowed Soils (Secon	I Present? Yes No No No No Noter 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)
Sandy C estrictive Type: Depth (in emarks: /DROLO /etland Hy rimary India Saturatia Water M Sedimer Drift Dep Surface Inundatia Water-S eld Observariace Water Table	Gleyed Matrix (S4) Layer (if present): Ches): Ches)	cator is suffice rine) rine) rine) Imagery (B7	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reductio Other (Explain in Ren Depth (inches):	or (C1) es along Living Ro d Iron (C4) en in Plowed Soils (marks)	Secon	I Present? Yes No
Sandy Cestrictive Type: Depth (in emarks: Seliand Hy emarks: Surface High Water Note Seliand Hy emarks: Drift Depth (in emarks: Eld Observation Procludes capage)	Gleyed Matrix (S4) Layer (if present): Ches): Ches)	cator is suffice rine) rine) rine) Imagery (B7) res N res N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Ode Oxidized Rhizosphere Presence of Reduced Recent Iron Reductio Other (Explain in Ren	or (C1) es along Living Ro d Iron (C4) on in Plowed Soils (marks) Wet	Secon	I Present? Yes No
Sandy Cestrictive Type: Depth (in emarks: Selland Hy emarks: Surface High Water No Sedimer Drift Depth Surface Inundation Water-Selland Observater Table enturation Pocludes cap	Gleyed Matrix (S4) Layer (if present): Ches): Ches)	cator is suffice rine) rine) rine) Imagery (B7) res N res N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates Hydrogen Sulfide Ode Oxidized Rhizosphere Presence of Reduced Recent Iron Reductio Other (Explain in Ren Depth (inches): Depth (inches):	or (C1) es along Living Ro d Iron (C4) on in Plowed Soils (marks) Wet	Secon	I Present? Yes No

(01/1			FORM – Arid West Re	•
roject/Site: COLIDS VIIIC pplicant/Owner: LS Power				
				A Sampling Point: SP-6
vestigator(s): Karan Buch Victoria Year				
andform (hillslope, terrace, etc.):				
ubregion (LRR): LIZIZ				
oil Map Unit Name: Valdez Sut loan, draine	J. 0:102	1. Stopes	MLRA 16 NWICH	assification: N/A
re climatic / hydrologic conditions on the site typical for t				,
e Vegetation, Soil, or Hydrology	significantly	disturbed?	Are "Normal Circumstar	nces" present? Yes No
e Vegetation, Soil, or Hydrology	naturally pro	blematic?	(If needed, explain any	answers in Remarks.)
UMMARY OF FINDINGS – Attach site map	showing	sampling	point locations, trans	sects, important features, etc
Hydric Soil Present? Yes	No No No	1000000	Sampled Area a Wetland? Yes	s_X No
ree Stratum (Use scientific names.) (=30)		Dominant Ir Species?	Status Number of Domi	nant Species
				1
			Percent of Domir	nant Species
apling/Shrub Stratum (= 15) Total Cov	er:			ACW, or FAC: (A/B
aping/snrub Stratum (>)		~	Prevalence Inde	ex worksheet:
			Total % Cov	er of: Multiply by:
			OBL species	70 x1= 70
			FACW species	$12 \times 2 = 24$
			FAC species	
Total Cov	er:O		FACU species	0
erb Stratum (=5)	70	v (°	UPL species	97 (A) 134 (B)
Salicornia pacifica Frankenia salina	10		Acul Column rotals.	
Frankenia salina Atriphex protrata			ACW Prevalence	e Index = B/A = 1,46
V	5			getation Indicators:
Lepidium lationium	-3	N	AC X Dominance	Test is >50%
Festiva perronis	1	N	AC Prevalence	
Hordeum Marinum			Morphologic	cal Adaptations ¹ (Provide supporting Remarks or on a separate sheet)
1 Total Cove	92			Hydrophytic Vegetation ¹ (Explain)
oody Vine Stratum (= 15)			¹ Indicators of hy be present.	dric soil and wetland hydrology must
#1.14			Hydrophytic	
	er:	0	Vegetation	Yes X No
Bare Ground in Herb Stratum % Cove	er of Biotic Cr	ust	Present?	Yes _X No
marks:				

Profile Description: (Describe to the dep Depth Matrix		Features	ator or com	im the absence o	indicators.)
(inches) Color (moist) %	Color (moist)	<u>%</u> Ty	pe ¹ Loc ²	Texture	Remarks
0-4 10 40 7/1 99	7.5 YR 3/4			SICLLO	
10/16/					
4-15 54 4/1 90	7.5 YD 3/4	10	M	-1777	
1 10 01 1/1	10/10/11			- 3100	
					
	Dadward Matrix 3		-Doro Lining	PC=Post Chann	ol M-Matrix
Type: C=Concentration, D=Depletion, RM= Hydric Soil Indicators: (Applicable to all	Reduced Matrix.	vise noted.)	-Pore Lining	Indicators	for Problematic Hydric Soils ³ :
	Sandy Redox				uck (A9) (LRR C)
Histosol (A1) Histic Epipedon (A2)	Stripped Mat				uck (A10) (LRR B)
Black Histic (A3)	Loamy Muck)	Reduce	ed Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleye			Red Pa	rent Material (TF2)
Stratified Layers (A5) (LRR C)	X Depleted Ma			Other (I	Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark	Surface (F6)			
X Depleted Below Dark Surface (A11)	Depleted Da		7)		
Thick Dark Surface (A12)	Redox Depre	essions (F8)		3	ft. doubtion and
Sandy Mucky Mineral (S1)	Vernal Pools	(F9)			of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)				wetiand	hydrology must be present.
Restrictive Layer (if present):					
Type:					
Type: Depth (inches): Remarks:			<u> </u>	. Hydric Soil	Present? Yes X No
Depth (inches):Remarks:				. Hydric Soil	Present? Yes X No No
Depth (inches):Remarks:				Secon	dary Indicators (2 or more required)
Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators:				Secon	dary Indicators (2 or more required) ater Marks (B1) (Riverine)
Depth (inches):	cient)	R11)		Secon W Se	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
Depth (inches): Primary Indicators (any one indicator is suffice to Surface Water (A1)	cient) ✓ Salt Crust (Secon	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
Depth (inches):	cient) ✓ Salt Crust (Biotic Crust	(B12)	(3)	<u>Secon</u> W Se Di	dary Indicators (2 or more required) later Marks (B1) (Riverine) ladiment Deposits (B2) (Riverine) ladiment Deposits (B3) (Riverine) ladinage Patterns (B10)
Depth (inches):	cient) Salt Crust (Biotic Crust Aquatic Inv	(B12) ertebrates (B	(3)	Secon 	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2)
Depth (inches):	cient) Salt Crust (Biotic Crust Aquatic Inv	(B12) ertebrates (B Sulfide Odor (C1)	Secon 	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)
Depth (inches):	cient) Salt Crust (Biotic Crust Aquatic Invo	(B12) ertebrates (B Sulfide Odor (hizospheres a	C1) Ilong Living F	Secon 	dary Indicators (2 or more required) Fater Marks (B1) (Riverine) Fatigue Marks (B2) (Riverine) Fatigue Marks (B3) (Riverine) Fatigue Patterns (B10) Fatigue Marks Marks (C2) Fatigue Marks Marks (C3) Fatigue Marks Marks (C3) Fatigue Marks Marks (C3) Fatigue Marks (C3)
Depth (inches):	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI	(B12) ertebrates (B Sulfide Odor (hizospheres a f Reduced Iro	C1) Ilong Living F In (C4)	Secon W Di Di Di Roots (C3) Th Ci s (C6) Se	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) nin Muck Surface (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
Depth (inches):	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron	(B12) ertebrates (B' Sulfide Odor (I hizospheres a f Reduced Iro I Reduction in	C1) llong Living F in (C4) Plowed Soil	Second W Second W Second Did Cooks (C3) The Cis Second Second	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) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
Depth (inches):	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron	(B12) ertebrates (B Sulfide Odor (hizospheres a f Reduced Iro	C1) llong Living F in (C4) Plowed Soil	Second W Second W Second Did Cooks (C3) The Cis Second Second	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) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
Primary Indicators (any one indicator is suffice to Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron	(B12) ertebrates (B' Sulfide Odor (I hizospheres a f Reduced Iro I Reduction in	C1) llong Living F in (C4) Plowed Soil	Second W Second W Second Did Cooks (C3) The Cis Second Second	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) nin Muck Surface (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
Primary Indicators (any one indicator is suffice to 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)	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized Ri Presence o Recent Iron Other (Expl	: (B12) ertebrates (B' Sulfide Odor (I hizospheres a f Reduced Irc Reduction in ain in Remark	C1) Ilong Living F In (C4) Plowed Soils (s)	Second W Second W Second Did Cooks (C3) The Cis Second Second	dary Indicators (2 or more required) fater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 rhallow Aquitard (D3)
Depth (inches): Primary Indicators (any one indicator is sufficient of the 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:	cient) Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Oxidized RI Presence o Recent Iron Other (Expl	: (B12) ertebrates (B Sulfide Odor (hizospheres a f Reduced Iro Reduction in ain in Remark	C1) Ilong Living F In (C4) Plowed Soils (S)	Second W Second W Second Did Cooks (C3) The Cis Second Second	dary Indicators (2 or more required) fater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 rhallow Aquitard (D3)
Primary Indicators (any one indicator is suffice 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	cient) Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized RI Presence o Recent Iron Other (Expl	: (B12) ertebrates (B' Sulfide Odor (' hizospheres a f Reduced Iro I Reduction in ain in Remark hes):	C1) Ilong Living F In (C4) Plowed Soils (ss)	Secon W Se Di Di Coots (C3) Th Cos (C6) Si Si Fi	dary Indicators (2 or more required) fater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C2) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9 rhallow Aquitard (D3) AC-Neutral Test (D5)
Primary Indicators (any one indicator is suffice and the suffi	cient) Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized RI Presence o Recent Iron Other (Expl	: (B12) ertebrates (B' Sulfide Odor (' hizospheres a f Reduced Iro I Reduction in ain in Remark hes):	C1) Ilong Living F In (C4) Plowed Soils (ss)	Second	dary Indicators (2 or more required) fater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
Depth (inches):	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron Other (Expl	: (B12) ertebrates (B Sulfide Odor (hizospheres a f Reduced Irc Reduction in ain in Remark hes): hes):	C1) Ilong Living F In (C4) Plowed Soils (S)	Second	dary Indicators (2 or more required) fater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C2) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9 rhallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inches):	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron Other (Expl	: (B12) ertebrates (B Sulfide Odor (hizospheres a f Reduced Irc Reduction in ain in Remark hes): hes):	C1) Ilong Living F In (C4) Plowed Soils (S)	Second	dary Indicators (2 or more required) fater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C2) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9 rhallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inches):	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron Other (Expl	: (B12) ertebrates (B Sulfide Odor (hizospheres a f Reduced Irc Reduction in ain in Remark hes): hes):	C1) Ilong Living F In (C4) Plowed Soils (S)	Second	dary Indicators (2 or more required) fater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C2) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9 rhallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inches):	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron Other (Expl	: (B12) ertebrates (B Sulfide Odor (hizospheres a f Reduced Irc Reduction in ain in Remark hes): hes):	C1) Ilong Living F In (C4) Plowed Soils (S)	Second	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) rin Muck Surface (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Primary Indicators (any one indicator is suffix 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? Water Table Present? Yes Ves	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron Other (Expl	: (B12) ertebrates (B Sulfide Odor (hizospheres a f Reduced Irc Reduction in ain in Remark hes): hes):	C1) Ilong Living F In (C4) Plowed Soils (S)	Second	dary Indicators (2 or more required) fater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C2) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9 rhallow Aquitard (D3) AC-Neutral Test (D5)
Print Deposits (B2) (Nonriverine) Surface Water (B2) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Table Present? Water Table Present? Water Table Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge, modeled and processes and content of the position of	cient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron Other (Expl	: (B12) ertebrates (B Sulfide Odor (hizospheres a f Reduced Irc Reduction in ain in Remark hes): hes):	C1) Ilong Living F In (C4) Plowed Soils (S)	Second	dary Indicators (2 or more required) fater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C2) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9 rhallow Aquitard (D3) AC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region

[W-1]

Project/Site: Collinguille Applicant/Owner: LS Power				
				State: Sampling Point: Sp-7
vestigator(s): Karen Back, Victoria Vetro				
				onvex, none): Slight Slo(N) Slope (%):
				Long: - 121.8284471 Datum: <u>NAD83</u>
		,		NWI classification: NH
re climatic / hydrologic conditions on the site typical for				
				Iormal Circumstances" present? Yes No
re Vegetation, Soil, or Hydrology	_ naturally prob	elematic?	(If nee	ded, explain any answers in Remarks.)
UMMARY OF FINDINGS – Attach site ma	p showing	sampling	point lo	cations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No			•
Hydric Soil Present?	100		Sampled A	
Wetland Hydrology Present? Yes	No _X	Within	a vveuant	ites No
Remarks:				
EGETATION				
	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Use scientific names.) (530)	% Cover	Species?	Status	Number of Dominant Species
				That Are OBL, FACW, or FAC: (A)
				Total Number of Dominant
				Species Across All Strata: (B)
Total Co				Percent of Dominant Species That Are ORL FACW or FAC: (A/B)
apling/Shrub Stratum (=15)	over:			That Are OBL, FACW, or FAC:(A/B
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
				OBL species x 1 =
				FACW species x 2 =
				FAC species
erb Stratum (= 5	over:			FACU species
Distichis Spicata	25	Y	CAC	
festuca perrenis	25	N	FAC	Column Totals:(A)(B
Lotus corniculatus	50	- Y	FAC	Prevalence Index = B/A = 3.05
Bronus hordeaceus	2	N	FACU	Hydrophytic Vegetation Indicators:
Frankeria salina		N	FACW	Dominance Test is >50%
Asparas officinalis	2	N	FACU	Prevalence Index is ≤3.0 ¹
Horseson Marinum	15	N	FAC	Morphological Adaptations ¹ (Provide supporting
Hadem murinum	- 5	N	FACU	data in Remarks or on a separate sheet)
Total Co	ver: 112			Problematic Hydrophytic Vegetation ¹ (Explain)
oody Vine Stratum (=15)	11-			
				¹ Indicators of hydric soil and wetland hydrology mus
				be present.
Total Co	ver: O			Hydrophytic
Bare Ground in Herb Stratum % Co	over of Biotic C	rust C		Vegetation Present? Yes No
and the property of the proper	TO OI DIOLIO O			7,000,000
emarks:				

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1	W	- 1
1		

2	u	п	

Sampling Point: _	SP-7
Sampling Point: _	ے ا

Depth Matrix	Redo	x Feature	es			
	Color (moist)	%	_Type ¹	Loc2	Texture	Remarks
0.5" organic matter	_					
					- 41	
0-7 2.57 4/1 98	7.5484/6	2	C	M/PL	2:C/	redox Prominent
7-15 104R4/3 99	7,541 4/6	1	C	M	SIC	
				_		
¹Type: C=Concentration, D=Depletion, R				e Lining, R		
Hydric Soil Indicators: (Applicable to a	all LRRs, unless other	wise note	ed.)		Indicators	s for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redo					Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Mar					Muck (A10) (LRR B)
Black Histic (A3)	Loamy Muck	•				ced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleye		(F2)			Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Ma	trix (E3)			Other	(Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark					
Depleted Below Dark Surface (A11)	Depleted Da					
Thick Dark Surface (A12)	Redox Depre		8)		3.	Alexander secondario
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Vernal Pools	(F9)				of hydrophytic vegetation and hydrology must be present.
Restrictive Layer (if present):	- I-a				Welland	my arology must be present.
Туре:	4					` /
Depth (inches):					Hydric Soil	Descrito Van X
amanica:						
Remarks:				,		
DROLOGY					Secon	idary Indicators (2 or more required)
/DROLOGY etland Hydrology Indicators:	cient)					ndary Indicators (2 or more required) Vater Marks (B1) (Riverine)
'DROLOGY etland Hydrology Indicators: imary Indicators (any one indicator is suffi	cient) Salt Crust (B	11)			w	/ater Marks (B1) (Riverine)
'DROLOGY etland Hydrology Indicators: imary Indicators (any one indicator is suffi _ Surface Water (A1)	Salt Crust (B				W	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
TDROLOGY etland Hydrology Indicators: imary Indicators (any one indicator is suffice to the surface Water (A1) High Water Table (A2)	Salt Crust (B	B12)	/B13)		W s	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
TDROLOGY etland Hydrology Indicators: imary Indicators (any one indicator is suffi Surface Water (A1) High Water Table (A2) Saturation (A3)	Salt Crust (B Biotic Crust (Aquatic Inver	B12) tebrates			W S D	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
TDROLOGY etland Hydrology Indicators: imary Indicators (any one indicator is suffi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su	B12) tebrates lfide Odo	r (C1)	ing Post	W Si D D	later Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2)
rDROLOGY etland Hydrology Indicators: imary Indicators (any one indicator is sufficed water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz	B12) tebrates lfide Odo zospheres	r (C1) s along L		W S D D D s (C3) Ti	/ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7)
PROLOGY Setland Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of R	B12) tebrates lfide Odo zospheres Reduced	r (C1) s along L Iron (C4)		W Si D D D D s (C3) Ti Ci	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8)
etland Hydrology Indicators: imary Indicators (any one indicator is sufficiency Indicator (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of R Recent Iron R	B12) tebrates lfide Odo zospheres Reduced	r (C1) s along L Iron (C4)		W Si D D D D Ci Ci Ci 6) Si	later Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C
POROLOGY Tetland Hydrology Indicators: Imary Indicators (any one indicator is sufficiency Indicator (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)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of R Recent Iron R	B12) tebrates lfide Odo zospheres Reduced	r (C1) s along Li Iron (C4) in Plowe		W Si D D D D Ci Ci Ci 6) Si	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8)
rDROLOGY etland Hydrology Indicators: imary Indicators (any one indicator is suffice 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)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of R Recent Iron R	B12) tebrates lfide Odo zospheres Reduced	r (C1) s along Li Iron (C4) in Plowe		W Si D D D D Ti Ci 6) Si Si	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C
retland Hydrology Indicators: imary Indicators (any one indicator is suffication (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) d Observations:	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron R Other (Explain	B12) tebrates lfide Odo zospheres Reduced Reduction in Rema	r (C1) s along Li Iron (C4) in Plowe arks)	d Soils (Ce	W Si D D D D Ti Ci 6) Si Si	later Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Canallow Aquitard (D3)
retland Hydrology Indicators: imary Indicators (any one indicator is suffication (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) d Observations: face Water Present? Yes N	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Other (Explain	B12) tebrates lfide Odo cosphere: Reduced Reduction n in Rema	r (C1) s along Li Iron (C4) in Plowe arks)	d Soils (Ce	W Si D D D D Ti Ci 6) Si Si	later Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Canallow Aquitard (D3)
retland Hydrology Indicators: imary Indicators (any one indicator is suffication (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) Ind Observations: Face Water Present? Yes Ner Table Present?	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Other (Explain	B12) tebrates lfide Odo zosphere: Reduced Reduction n in Rema	r (C1) s along Li Iron (C4) in Plowe arks)	d Soils (Co	W	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Cital AC-Neutral Test (D5)
retland Hydrology Indicators: imary Indicators (any one indicator is suffication of the s	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Other (Explain Depth (inches	B12) tebrates lfide Odo zospheres Reduced Reduction n in Rema	r (C1) s along L Iron (C4) in Plowe arks)	d Soils (Ce	W Si Di Di Ci Si Si Fi	later Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Canallow Aquitard (D3)
etland Hydrology Indicators: imary Indicators (any one indicator is suffice 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) d Observations: face Water Present? For Table Present	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Other (Explain Depth (inches	B12) tebrates lfide Odo zospheres Reduced Reduction n in Rema	r (C1) s along L Iron (C4) in Plowe arks)	d Soils (Ce	W Si Di Di Ci Si Si Fi	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Cital AC-Neutral Test (D5)
retland Hydrology Indicators: imary Indicators (any one indicator is suffice 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) d Observations: face Water Present? Face Water Present Pr	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Other (Explain Depth (inches	B12) tebrates lfide Odo zospheres Reduced Reduction n in Rema	r (C1) s along L Iron (C4) in Plowe arks)	d Soils (Ce	W Si Di Di Ci Si Si Fi	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Cital AC-Neutral Test (D5)
retland Hydrology Indicators: imary Indicators (any one indicator is suffication of the s	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Other (Explain Depth (inches	B12) tebrates lfide Odo zospheres Reduced Reduction n in Rema	r (C1) s along L Iron (C4) in Plowe arks)	d Soils (Ce	W Si Di Di Ci Si Si Fi	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Cital AC-Neutral Test (D5)
retland Hydrology Indicators: imary Indicators (any one indicator is suffice 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) d Observations: face Water Present? Face Water Present Pr	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Other (Explain Depth (inches	B12) tebrates lfide Odo zospheres Reduced Reduction n in Rema	r (C1) s along L Iron (C4) in Plowe arks)	d Soils (Ce	W Si Di Di Ci Si Si Fi	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Cital AC-Neutral Test (D5)
retland Hydrology Indicators: imary Indicators (any one indicator is suffication of the s	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Other (Explain Depth (inches	B12) tebrates lfide Odo zospheres Reduced Reduction n in Rema	r (C1) s along L Iron (C4) in Plowe arks)	d Soils (Ce	W Si Di Di Ci Si Si Fi	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Cital AC-Neutral Test (D5)
retland Hydrology Indicators: rimary Indicators (any one indicator is suffice 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) Ind Observations: Face Water Present? Yes Ner Table Present?	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Other (Explain Depth (inches	B12) tebrates lfide Odo zospheres Reduced Reduction n in Rema	r (C1) s along L Iron (C4) in Plowe arks)	d Soils (Ce	W Si Di Di Ci Si Si Fi	Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Cital AC-Neutral Test (D5)

W-1

WETLAND DETERMINATION DATA FORM - Arid West Region

					Sampling Date: 5 - 7 - 24
Applicant/Owner: LS Potent				State:	Sampling Point: $5p-8$
nvestigator(s): Huran Boch, Victoria Yehrney	Mayer S	Section, Tov	wnship, Rar	nge: SØØ T3N	RIE
andform (hillslope, terrace, etc.): 1001000		Local relief	(concave, c	convex, none): <u>fiat</u>	Slope (%):
ubregion (LRR): LRRC	Lat: 38.	.07236	654	Long:121.8283	719 Datum:
oil Map Unit Name: Valdez Sitty Clay loum, St					
re climatic / hydrologic conditions on the site typical for this					
re Vegetation, Soil, or Hydrology sig					- A
re Vegetation, Soil, or Hydrology na					
UMMARY OF FINDINGS – Attach site map s					Control Control
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No		Is the	e Sampled in a Wetlan	Aras .	× No
EGETATION	Absolute			Dominance Test worl	ksheet:
1				Number of Dominant S That Are OBL, FACW,	
2				Total Number of Domir	nant
3				Species Across All Stra	ata: (B)
4 Total Cover: Sapling/Shrub Stratum	0			Percent of Dominant S That Are OBL, FACW,	
1				Prevalence Index wo	rksheet:
				Total % Cover of:	
l					x1=5_
·					8 x2=
	0			FAC species	$\frac{2}{2}$ x3= $\frac{276}{2}$
Herb Stratum V = 5				FACU species	
Distuntic spillion	90	4.	FAL	UPL species	0 x5= 0
Frontenia Salma	F.	Ń	FACW	Column Totals:\C	$\frac{05}{100}$ (A) $\frac{29}{100}$ (B)
. Poly Pompa monspeliers's	2	N	FACW	Prevalence Inde	x = B/A = 2.77
· punex cristus	2		Tuc	Hydrophytic Vegetat	ion Indicators:
. Schoenoffection acrows	2	N	ORL	Dominance Test i	s >50%
. Attablex Proliticate	_1	_N	FACW		is ≤3.0 ¹
. Salitania Purisia		_ N	OBL	Morphological Ad	aptations ¹ (Provide supporting
3					ks or on a separate sheet) ophytic Vegetation¹ (Explain)
Woody Vine Stratum Y = 15 Total Cover:	103			Froblematic Hydro	opriyud vegetation (Explain)
1				¹ Indicators of hydric so be present.	oil and wetland hydrology must
Total Cover:				Hydrophytic Vegetation	7
O/ Born Cround in Harb Charter	of Biotic Ci	rust	0		es_VNo
% Bare Ground in Herb Stratum % Cover				The second secon	

Profile Desc	cription: (Describe	to the dept	h needed to docur	ment the in	ndicator	or confirm	n the absenc		Sampling Point: SP-8
	Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹ Loc²								
		%				_Loc ²	Texture		Remarks
0-2	101/2 2/2	100		-			SICLI	0	
2-16	54 4/1	45	7.5412 3/4	5	C	MIRY	RC SIC	ı	
								- Jup	
	oncentration, D=Dep					ore Lining,			
Histosol Histic Ep Black Hi Hydroge Stratified 1 cm Mu Depleted Thick Da Sandy M Sandy G	pipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5) (LRR Cock (A9) (LRR D) I Below Dark Surface irk Surface (A12) lucky Mineral (S1) leyed Matrix (S4)	c)	Sandy Rec Stripped M Loamy Mu Loamy Gle Depleted M Redox Dal Depleted I Redox Depleted I Vernal Poo	dox (S5) latrix (S6) cky Minera eyed Matrix Matrix (F3) rk Surface Dark Surface pressions ((F1) (F2) (F6) (F6)		1 cr 2 cr Rec Oth	m Muck (A9 m Muck (A1 duced Vertic d Parent Ma ner (Explain	0) (LRR B) c (F18) tterial (TF2) in Remarks) ophytic vegetation and
							wetl	and hydrolo	gy must be present.
Type: Depth (inc	, - 1							and hydrolo	
Type: Depth (incl Remarks:	thes):								
Type: Depth (inc Remarks: POROLOG Vetland Hyd	GY Irology Indicators:				201		Hydric S	Soil Preser	nt? Yes_X_ No
Type: Depth (income income incom	ches): Irology Indicators: ators (any one indicators) Atter (A1) ter Table (A2) In (A3) Arks (B1) (Nonrivering to Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering to Deposits (B4)) The state of	ator is suffi ine) nriverine) rine)	Salt Crus Siotic Cr Aquatic Hydroge Oxidized Presenc Recent I	rust (B12) Invertebrat n Sulfide (Odor (C1 eres alo ced Iron ction in F	ng Living (C4) lowed So	Hydric S	econdary Ir Water M Sedimer Drift De Drainag Dry-Sea Thin Mu Crayfisl Saturat Shallov	ndicators (2 or more required larks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) pe Patterns (B10) ason Water Table (C2) ack Surface (C7) n Burrows (C8) ion Visible on Aerial Imager y Aquitard (D3)
Type: Depth (inclination of the content of th	GY Irology Indicators: ators (any one indicators) ators (Any one indicators) ators (Any one indicators) ators (B1) (Nonriversist (B2) (Nonriversist (B3) (Nonriversi	ator is suffi ine) nriverine) rine)	Salt Crus Siotic Cr Aquatic Hydroge Oxidized Presenc Recent I	rust (B12) Invertebraten Sulfide (d. Rhizosphae of Reduction Reduction	Odor (C1 eres alo ced Iron ction in F	ng Living (C4) lowed So	Hydric S	econdary Ir Water M Sedimer Drift De Drainag Dry-Sea Thin Mu Crayfisl Saturat Shallov	ndicators (2 or more required larks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) pe Patterns (B10) ason Water Table (C2) uck Surface (C7) n Burrows (C8) ion Visible on Aerial Imager
Type: Depth (included in the content of the co	ches): GY Irology Indicators: ators (any one indicators) ators (any one i	ine) nriverine) rine) magery (B	Salt Crus Signature Signat	rust (B12) Invertebraten Sulfide (d Rhizosphe of Reduction Reducti	Odor (C1 eres alo ced Iron ction in F	ng Living (C4) lowed So	Hydric S	econdary Ir Water M Sedimer Drift De Drainag Dry-Sea Thin Mu Crayfisl Saturat Shallov	ndicators (2 or more required larks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) pe Patterns (B10) ason Water Table (C2) ack Surface (C7) n Burrows (C8) ion Visible on Aerial Imager y Aquitard (D3)
Type: Depth (income income incom	ches): GY Irology Indicators: ators (any one indicators): ators (any one indicators): ators (A1) arks (B1) (Nonrivering) arks (B1) (Nonrivering) arks (B3) (Nonrivering) at Deposits (B2) (Nonrivering) at Deposits (B3) (Nonrivering) at Deposits (B6) arks (B1) (Nonrivering) at Deposits (B2) (Nonrivering) at Deposits (B3) (Nonrivering) atoms: atoms: ar Present?	ine) nriverine) rine) magery (B	Salt Crus Siotic Cr Aquatic Hydroge Oxidized Presence Recent I Other (E	rust (B12) Invertebraten Sulfide (d Rhizosphe of Reduction Reducti	Odor (C1 eres alo ced Iron ction in F	ng Living (C4) lowed So	Hydric S	econdary Ir Water M Sedimer Drift De Drainag Dry-Sea Thin Mu Crayfisl Saturat Shallov	ndicators (2 or more required larks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) pe Patterns (B10) ason Water Table (C2) ack Surface (C7) n Burrows (C8) ion Visible on Aerial Imager y Aquitard (D3)
Type: Depth (income income incom	ches): Ches): Ches): Ches): Ches): Ches in Ches i	ine) nriverine) magery (B	Salt Crus Signature Signat	rust (B12) Invertebraten Sulfide (d Rhizosphe of Reduction Reducti	Odor (C1 eres alo ced Iron ction in F	ng Living (C4) Howed So	Hydric S	Soil Present Secondary Ir Water M Sediment Drift De Drainag Dry-Seat Thin Mu Crayfish Saturat Shallow FAC-N	ndicators (2 or more required larks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) pe Patterns (B10) ason Water Table (C2) ack Surface (C7) n Burrows (C8) ion Visible on Aerial Imager y Aquitard (D3)

Remarks:

WETLAND DETERMINATION DATA FORM - Arid West Region

W-2

and the second s			State: CA Sampling Point: SP-\
Investigator(s): Karen Bach, Victoria Yet			
			onvex, none): (O) Cove Slope (%):
Subregion (LRR): LLRC	Lat: _38	.073501	Long: _121.830988 Datum: NAD 83
Soil Map Unit Name: Vaidez Sitt 100m 10	trained, 0 to 2	V. SIOPE, MLF	A \b NWI classification: N/A
Are climatic / hydrologic conditions on the site typica	al for this time of year	ar? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly	disturbed? Are "I	Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site	map showing	sampling point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Yes	No No	Is the Sampled within a Wetlan	~
Remarks:			
EGETATION			
Tree Stratum (Use scientific names.) $r=30^{\circ}$		Species? Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:
2.			Total Number of Dominant
			Species Across All Strata: (B)
••			Percent of Dominant Species
Total	l Cover: O		That Are OBL, FACW, or FAC: (A/
Sapling/Shrub Stratum = 15			
			Drovolongo Indov workshoot:
			Prevalence Index worksheet:
·			Total % Cover of: Multiply by:
			Total % Cover of: Multiply by: OBL species √7 x 1 = √7 FACW species 26 x 2 = 52
			Total % Cover of: Multiply by: OBL species 17 x 1 = 17 FACW species 26 x 2 = 52 FAC species 1 x 3 = 3
erb Stratum (=5) Total			Total % Cover of: Multiply by: OBL species 17 x 1 = 17 FACW species 26 x 2 = 52 FAC species x 3 = 3 FACU species x 4 = 0 UPL species x 5 = 0
erb Stratum 1=5' Salicomia pacifica	I Cover:	y 06L	Total % Cover of: $ \begin{array}{c cccc} \hline $
erb Stratum (=5) Total Salicornia pacifica Franklnia salina	Cover:	Y OBL	Total % Cover of: Multiply by: OBL species 17 x 1 = 17 FACW species 26 x 2 = 52 FAC species x 3 = 3 FACU species x 4 = 0 UPL species x 5 = 0
Saricomia pacifica Frankenia salina (Otula coronoporolia	1 Cover: 0 10 15 5	Y OBL Y FACW N OBL	Total % Cover of: Multiply by: OBL species 1 x 1 = 1 FACW species 2 x 2 = 52 FAC species x 3 = 3 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 4 (A) 72 Prevalence Index = B/A = 1 63
Spergula maring Total Total Salicomia pacifica Frankenia salina Cotula coronoporolia Spergula maring	Cover:	Y OBL Y FACW N OBL N OBL	Total % Cover of: Multiply by: OBL species 17 x 1 = 17 FACW species 26 x 2 = 52 FAC species 1 x 3 = 3 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 44 (A) 72 Prevalence Index = B/A = 1,63 Hydrophytic Vegetation Indicators:
erb Stratum V=5' Salicornia pacifica Frankenia salina Cotula coronoporolia Speravia marina Atriplex prostrata	1 Cover: 0 10 15 5	Y OBL Y FACW N OBL N OBL	
erb Stratum (=5) Salicornia pacifica Frankenia salina Cotula coronoporolia Speravia marina Atriplex prostrata Hordern marinum	1 Cover: 0 10 15 5 2	Y OBL Y FACW N OBL N OBL N FACW N FACW	Total % Cover of: Multiply by: OBL species 1 x 1 = 17 FACW species 2 6 x 2 = 52 FAC species 1 x 3 = 3 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 44 (A) 72 Prevalence Index = B/A = 1, 63 Hydrophytic Vegetation Indicators: ✓ Dominance Test is >50% ✓ Prevalence Index is ≤3.0¹
Spring pacifica Frankenia salina Cotula coronoporolia Spring maring Atriplex prostrata Hordern marinum Polypoign monspeliensis	1 Cover: 0 10 15 5	Y OBL Y FACW N OBL N OBL	
Saricomia pacifica Frankenia salina Cotula coronoporolia Speravia marina Atriplex protrata Horden marinum poruporon monspeliensis	10 15 5 2 1	Y OBL Y FACW N OBL N OBL N FACW N FACW	Total % Cover of: OBL species \[\sqrt{7} \times 1 = \frac{7}{7} \\ FACW species \[\sqrt{26} \times 2 = \frac{52}{52} \\ FACU species \[\sqrt{0} \times 4 = \times \] UPL species \[\sqrt{0} \times 5 = \] Column Totals: \[\sqrt{1} \times \] Prevalence Index = B/A = \[\sqrt{63} \] Hydrophytic Vegetation Indicators: \[\sqrt{1} \] Morphological Adaptations\[\times 1 \] Morphological Adaptations\[\
Salicomia pacifica Salicomia pacifica Frankenia salina Cotula coronoporolia Speravia marina Atriplex prostrata Hordern marinum Polypoign monspeliensis ody Vine Stratum (=15) Total	1 Cover: 0 10 15 5 2	Y OBL Y FACW N OBL N OBL N FACW N FACW	Total % Cover of: OBL species Total % Cover of: Multiply by: X 1 = 17 FACW species Z 6 x 2 = 52 FAC species N 3 = 3 FACU species X 4 = 0 UPL species X 5 = 0 Column Totals: Prevalence Index = B/A = 1,63 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 ¹Indicators of hydric soil and wetland hydrology metals in the species of the
erb Stratum (=5) Salicornia pacifica Frankenia salina Cotolia coronoporolia Speravia marina Atriplex prostrata Hordern marinum porporon monspeliensis ody Vine Stratum (=15) Total	10 15 5 2 1	Y OBL Y FACW N OBL N OBL N FACW N FACW	Total % Cover of: OBL species \[\frac{1}{7} \] FACW species \[\frac{26}{26} \] \[\times 2 \] FAC species \[\frac{1}{7} \] FACU species \[\frac{0}{0} \] UPL species \[\frac{0}{0} \] UPL species \[\frac{0}{0} \] Column Totals: \[\frac{1}{4} \] Prevalence Index = B/A = \[\frac{1}{63} \] Hydrophytic Vegetation Indicators: \[\frac{1}{7} \] Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) \[\frac{1}{7} \] Problematic Hydrophytic Vegetation (Explain)
erb Stratum (=5) Saticornia pacifica Frankenia salina Cotala coronoporolia Speravia marina Atriplex prottrata Hordern marinum Polypoian monspeliensis ody Vine Stratum (=15) Total	1 Cover: 0 10 15 5 2 1 1 10 Cover: 44	Y OBL Y FACW N OBL N OBL N FACW N FACW	Total % Cover of: OBL species Total % Cover of: Multiply by: X 1 = 17 FACW species X 2 = 52 FAC species X 3 = 3 FACU species X 4 = 0 UPL species X 5 = 0 Column Totals: Prevalence Index = B/A = 1,63 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 (Explaing and wetland hydrology more) ¹Indicators of hydric soil and wetland hydrology more
erb Stratum (=5' Salicornia pacifica Franklnia salina Cotula coronoporolia Speravia marina Atriplex prostrata Hordern marinum Polypoign monspeliensis Total	10 15 5 2 1	Y OBL Y FACW N OBL N OBL N FACW Y FACW	Total % Cover of: OBL species Total % Cover of: Multiply by: X 1 = 17 FACW species X 2 = 52 FAC species X 3 = 3 FACU species O X 4 = O UPL species O X 5 = O Column Totals: Prevalence Index = B/A = 1,63 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 (Explaing the present.

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J	u		ᆫ	

Sampling Point: SP-1

Profile Desc Depth	cription: (Describe							
(inches)	Color (moist)	%	Color (moist)	K Feature %	Type ¹	Loc ²	Texture	Remarks
0-8	10424/2	80	511-1/6	20	C	MPL	5:01	Sult law proset
8-14	2.544/1	75	7,5424/6	25	C	MIPL	Sicl	Saitlayers present
14-16	104R 3/1	85	10/R 3/4	15	С	MIPL	Sich	Sait layer present
			=Reduced Matrix. LRRs, unless other Sandy Redo	wise not		re Lining, R	Indicato	annel, M=Matrix. rs for Problematic Hydric Soils³: n Muck (A9) (LRR C)
The second second second	oipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
	istic (A3)		Loamy Mucl		I (F1)			uced Vertic (F18)
	en Sulfide (A4)		Loamy Gley					Parent Material (TF2)
	Layers (A5) (LRR	2)	X Depleted Ma		(1 -)		_	er (Explain in Remarks)
	ick (A9) (LRR D)	-,	Redox Dark		(F6)			(—.F.smi iii i soriisiiio)
	d Below Dark Surfac	e (A11)	Depleted Da					
	ark Surface (A12)	(,,,,	Redox Depr					
	fucky Mineral (S1)		Vernal Pools		,		3Indicato	rs of hydrophytic vegetation and
	Gleyed Matrix (S4)			0 (1 0)				nd hydrology must be present.
	_ayer/(if present):							,
Type:	MA							
	1./							-/
Depth (inc	ches):						Hydric Sc	oil Present? Yes 🗡 No
	ches):						Hydric So	oil Present? Yes 🔀 No
Depth (independent of the property of the prop	GY drology Indicators: ators (any one indic	ator is suffi		(B11)				condary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (ind Remarks: YDROLO Wetland Hyd Primary Indic Surface	GY drology Indicators: ators (any one indic Water (A1)	ator is suffi	Salt Crust					condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inc Remarks: YDROLO Vetland Hyd Crimary Indic Surface High Wa	GY drology Indicators: eators (any one indic Water (A1) ter Table (A2)	ator is suffi	_★ Salt Crust Biotic Crus	t (B12)	se (R13)		Sec	condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inc Remarks: YDROLO Wetland Hyd Primary Indic Surface High Wa Saturatio	GY drology Indicators: ators (any one indic Water (A1) ter Table (A2) on (A3)		Salt Crust Biotic Crus Aquatic Inv	t (B12) vertebrate			Sec	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Primary Indic Surface High Wa Saturatic Water M	GY drology Indicators: ators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver	ine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen	et (B12) vertebrate Sulfide O	dor (C1)		Sec	wondary 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)
Primary Indic Surface High Wa Saturatic Water M Sedimen	GY drology Indicators: ators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri	ine) nriverine)	_★ Salt Crust Biotic Crus Aquatic Inv Hydrogen S	et (B12) vertebrate Sulfide O Rhizosphe	dor (C1) eres along		Sec	wondary 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)
Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep	GY drology Indicators: eators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonosits (B3) (Nonriver)	ine) nriverine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen : Oxidized R Presence o	et (B12) vertebrate Sulfide O Rhizosphe of Reduce	dor (C1) eres along ed Iron (C	(4)	Sec	wondary 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)
Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep X. Surface	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Noriver cosits (B3) (Nonriver Soil Cracks (B6)	ine) nriverine) rine)	 ★ Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron 	ot (B12) vertebrate Sulfide O Rhizosphe of Reduce In Reduct	dor (C1) eres along ed Iron (C ion in Plo		Sec	wondary 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)
YDROLO YDROLO Wetland Hyd Surface High Wa Saturatio Water M Sedimen Drift Dep X Surface Inundatio	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I	ine) nriverine) rine)	 ★ Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron 	ot (B12) vertebrate Sulfide O Rhizosphe of Reduce In Reduct	dor (C1) eres along ed Iron (C ion in Plo	(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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si	GY drology Indicators: eators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9)	ine) nriverine) rine)	 ★ Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron 	ot (B12) vertebrate Sulfide O Rhizosphe of Reduce In Reduct	dor (C1) eres along ed Iron (C ion in Plo	(4)	Sec	wondary 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)
Primary Indic Surface High Water M Sedimen Drift Dep Surface Inundatic Water-St Field Observing	GY drology Indicators: eators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nor cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations:	ine) nriverine) rine) magery (B'		et (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reduct blain in Re	dor (C1) eres along ed Iron (C ion in Plo emarks)	(4) wed Soils (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) Shallow Aquitard (D3)
Primary Indic Surface High Water M Sedimen Drift Dep Surface Inundatio Water-St Field Observing	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present?	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Other (Exp	ot (B12) vertebrate Sulfide O thizosphe of Reduce n Reduct olain in Re	dor (C1) eres along ed Iron (C ion in Plo emarks)	(4) wed Soils (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) Shallow Aquitard (D3)
Primary Indic Surface High Water M Sedimen Drift Dep Surface Inundation Water-Sield Observices	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Y	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence C Recent Iron Other (Exp	vertebrate Sulfide O Rhizosphe of Reduce n Reduct clain in Re ches): ches):	dor (C1) eres along ed Iron (C ion in Plo emarks)	(4) wed Soils (Sec	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)
Primary Indices Saturation Water Manuel Surface Inundation Water Surface Water Surface Water Surface Water Table Saturation Princludes caping Inundation Water Surface Water Table Saturation Princludes caping Inundation Inundati	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? Y resent? Y resent? Y	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Other (Exp No ★ Depth (inc No ★ Depth (inc	vertebrate Sulfide O Rhizosphe of Reduce n Reduct clain in Re ches): ches): ches):	dor (C1) eres along ed Iron (C ion in Plo emarks)	wed Soils (Sec 	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)
Primary Indices Saturation Water Manuel Surface Inundation Water Surface Water Surface Water Surface Water Table Saturation Princludes caping Inundation Water Surface Water Table Saturation Princludes caping Inundation Inundati	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? Y resent? Y resent? Y	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence C Recent Iron Other (Exp	vertebrate Sulfide O Rhizosphe of Reduce n Reduct clain in Re ches): ches): ches):	dor (C1) eres along ed Iron (C ion in Plo emarks)	wed Soils (Sec 	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)
Primary Indic Surface High Water M Sedimen Drift Dep Surface Inundation Water Sirield Observ Surface Water Table Saturation Princludes cap Describe Rec	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? Y resent? Y resent? Y	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Other (Exp No ★ Depth (inc No ★ Depth (inc	vertebrate Sulfide O Rhizosphe of Reduce n Reduct clain in Re ches): ches): ches):	dor (C1) eres along ed Iron (C ion in Plo emarks)	wed Soils (Sec 	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)
Primary Indices Saturation Water Manuel Surface Inundation Water Surface Water Surface Water Surface Water Table Saturation Princludes caping Inundation Water Surface Water Table Saturation Princludes caping Inundation Inundati	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? Y resent? Y resent? Y	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Other (Exp No ★ Depth (inc No ★ Depth (inc	vertebrate Sulfide O Rhizosphe of Reduce n Reduct clain in Re ches): ches): ches):	dor (C1) eres along ed Iron (C ion in Plo emarks)	wed Soils (Sec 	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)
Primary Indices Saturation Principles Satura	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? Y resent? Y resent? Y	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Other (Exp No ★ Depth (inc No ★ Depth (inc	vertebrate Sulfide O Rhizosphe of Reduce n Reduct clain in Re ches): ches): ches):	dor (C1) eres along ed Iron (C ion in Plo emarks)	wed Soils (Sec 	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)
Primary Indic Surface High Water M Sedimen Drift Dep Surface Inundation Water Sirield Observice Water Table Saturation Princludes cap Describe Rec	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? Y resent? Y resent? Y	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Other (Exp No ★ Depth (inc No ▶ Depth (inc	vertebrate Sulfide O Rhizosphe of Reduce n Reduct clain in Re ches): ches): ches):	dor (C1) eres along ed Iron (C ion in Plo emarks)	wed Soils (Sec 	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)
Primary Indic Surface High Water M Sedimen Drift Dep Surface Inundation Water Sirield Observice Water Table Saturation Princludes cap Describe Rec	GY drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? Y resent? Y resent? Y	ine) nriverine) rine) magery (B'	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Other (Exp No ★ Depth (inc No ▶ Depth (inc	vertebrate Sulfide O Rhizosphe of Reduce n Reduct clain in Re ches): ches): ches):	dor (C1) eres along ed Iron (C ion in Plo emarks)	wed Soils (Sec 	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-2

WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: Callin S V: 1) 4		City/Count	y: 500 n	Sampling Date: 5-7-2
Applicant/Owner:				State: Sampling Point: 5 P - 5
nvestigator(s): Western Buch Vesting	Generale	Section, T	ownship, Ra	ange: SØØ T3N RIE
andform (hillslope, terrace, etc.): +6es10pe		Local relie	ef (concave,	, convex, none): Slope (%):
ubregion (LRR): LLRC	Lat: <u>3</u> ξ	8.0737	73	Long:121.830852 Datum: NAD &
oil Map Unit Name: Vaidez Sit loan, dra	and o to	2% 500	es, MLR	NWI classification: N/A
re climatic / hydrologic conditions on the site typical for				
				"Normal Circumstances" present? Yes No
re Vegetation, Soil, or Hydrology				needed, explain any answers in Remarks.)
				locations, transects, important features, et
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Yes Yes Remarks:	No No	100.5	he Sample hin a Wetla	
EGETATION ree Stratum (Use scientific names.) $\Gamma = 30^{-1}$		Dominan Species?		Dominance Test worksheet:
- (OSC SCIONAIC HAMES.)				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
				Total Number of Dominant
				Species Across All Strata: (B)
				Percent of Dominant Species
Total C	over:			That Are OBL, FACW, or FAC: (A/E
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
				OBL species
				FACW species 3 x 2 = 6
				FAC species 93 x 3 = 279
erb Stratum (7= 5)	over:			FACU species\6 x 4 =60
Festuca perrenis	20	V	FAC	UPL species x 5 =
Hordeum Marinum	10	N	FAC	Column Totals:(A)
Frankina Salina	3	N	FACW	Prevalence Index = B/A =3, \ \
Horaeun murinum	15	N	FACU	Hydrophytic Vegetation Indicators:
Distichis spicaza	3	N	FAC	
				Prevalence Index is ≤3.01
				Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
oody Vine Stratum C=15	over:			Problematic Hydrophytic Vegetation ¹ (Explain)
the state of the s				¹ Indicators of hydric soil and wetland hydrology must
				be present.
				Hydrophytic
	over:			
Total Co	over:	. ^		Vegetation
Total Co	over:	rust _ O		Present? Yes No
Total Co		rust		Present? Yes No
Total Co		rust <u></u>		Present? Yes No

W-2

SOIL

Sampling Point: S1-2

Depth	Matrix		Redox	Features	5			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc ²		Tiomanio
2-1,5	101/2 7/1	100			_	_	SICLLO	
1.5-11	10412 3/2	98	10 YP. 3/4	2	6	M	SICL	
1-15	10 412 7/1	85						
						7-1	7,00	
Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix.	² Location	n: PL=Por	e Lining,	RC=Root Char	nnel, M=Matrix.
lydric Soil I	Indicators: (Application	able to all	LRRs, unless other	wise not	ed.)			s for Problematic Hydric Soils ³ :
Black His Hydroge Stratified 1 cm Mu	pipedon (A2) stic (A3) on Sulfide (A4) d Layers (A5) (LRR 0 lock (A9) (LRR D)		Sandy Redo Stripped Ma Loamy Muc Loamy Gley Depleted Ma	ky Minera red Matrix atrix (F3) Surface	(F2) (F6)		2 cm Redu Red I	Muck (A9) (LRR C) Muck (A10) (LRR B) ced Vertic (F18) Parent Material (TF2) r (Explain in Remarks)
Thick Da Sandy M	d Below Dark Surfac ark Surface (A12) Mucky Mineral (S1)	e (A11)	Depleted Da Redox Depl Vernal Pool	ressions (s of hydrophytic vegetation and
>200V (-	Sleyed Matrix (S4)						wetlan	d hydrology must be present.
Restrictive L	Layer (if present):							
Restrictive L Type:	Layer (if present):		_				Hudria Sa	il Proceet? Voc. No.
Restrictive L Type: Depth (inc							Hydric So	il Present? Yes No
Primary Indic Surface High Water M Sedimer Drift Depth (ind	GY drology Indicators: cators (any one indicators (A1) ater Table (A2) on (A3) flarks (B1) (Nonriver (B2) (Nonposits (B3) (Nonriver (B3) (Non	cator is suf rine) nriverine)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I	st (B12) vertebrat Sulfide C Rhizosph of Reduc	Odor (C1) eres along ced Iron (C	(4)	Sec	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)
Type: Depth (inc Remarks: YDROLO Wetland Hyo Primary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundati	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (No	cator is suf rine) nriverine) rine)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	st (B12) vertebrat Sulfide C Rhizosph of Reduc	Odor (C1) eres along ced Iron (C tion in Plo	(4)	Sec	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)
Type: Depth (inc Remarks: YDROLO Vetland Hyo Primary Indic Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio Water-S	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) flarks (B1) (Nonriver int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial stained Leaves (B9)	cator is suf rine) nriverine) rine)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	st (B12) vertebrat Sulfide C Rhizosph of Reduc	Odor (C1) eres along ced Iron (C tion in Plo	(4)	Sec	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)
Primary Indic Water M Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat	GY drology Indicators: cators (any one indicators (any one indicators (any one indicators) dater Table (A2) on (A3) darks (B1) (Nonriver (B2) (Nonriver (B3)	cator is suf rine) nriverine) rine) Imagery (f	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro Other (Ex	st (B12) vertebrat Sulfide C Rhizosph of Reduc on Reduc plain in R	Odor (C1) eres along ced Iron (C tion in Plo Remarks)	(24) wed Soils	Sec	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)
Primary Indic Water M Sedimer Drift Dep Surface High Water M Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Water Table Saturation P	GY drology Indicators: cators (any one indicators (any one indicators (any one indicators) dater Table (A2) on (A3) darks (B1) (Nonriver (B2) (Nonriver (B3)	rine) nriverine) rine)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro Other (Ex	st (B12) vertebrat Sulfide (Rhizosph of Reduc on Reduc plain in R	Odor (C1) eres along ced Iron (C tion in Plo Remarks)	c4) wed Soils	Sec 	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)
Primary Indic Surface High Water M Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca)	GY drology Indicators: cators (any one indicators (any one indicators) ater Table (A2) on (A3) flarks (B1) (Nonriver (B2) (Nonriver (B3) (Non	rine) nriverine) Imagery (E	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	st (B12) vertebrat Sulfide C Rhizosph of Reduc on Reduc plain in R nches): nches): nches): nches):	Odor (C1) eres along ced Iron (C tion in Plo Remarks)	c4) wwed Soils	Sec	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)
Primary Indic Surface High Water M Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca)	GY drology Indicators: cators (any one indicators (any one indicators) ater Table (A2) on (A3) flarks (B1) (Nonriver (B2) (Nonriver (B3) (Non	rine) nriverine) Imagery (E	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	st (B12) vertebrat Sulfide C Rhizosph of Reduc on Reduc plain in R nches): nches): nches): nches):	Odor (C1) eres along ced Iron (C tion in Plo Remarks)	c4) wwed Soils	Sec	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)

6 11/2/11/11		C-11-	Arid West Region
Project/Site: Collinsville	City/C	county: SOIMA	Sampling Date:
			State: CA Sampling Point: SP-1
nvestigator(s): Karen Buch, Sidney Wells	Secti	on, Township, Rang	ge: 509 T 3N KIE
andform (hillslope, terrace, etc.): + oc slope	Loca	l relief (concave, co	onvex, none): Concare Slope (%):
			Long: -121.8321079 Datum: NAD 83
Soil Map Unit Name: Vardez Six 100m, dained	0-21,510	PES, MLRA	NWI classification:
are climatic / hydrologic conditions on the site typical for this	time of year?		
re Vegetation, Soil, or Hydrology si	ignificantly distu	rbed? Are "f	Normal Circumstances" present? Yes No
are Vegetation, Soil, or Hydrology na	aturally problem	natic? (If nee	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	showing sa	mpling point lo	ocations, transects, important features, etc.
Hydric Soil Present? Yes No	o o o	Is the Sampled within a Wetlan	V
Remarks: Isolated depression adjunct to	o Manma	he been sep	crating incolling constitute to
the South, NO injet outlet.		-	4
	Absolute De	ominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.) (\$\inf\$30\\ 1	% Cover S	oecies? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4	or: 0		Percent of Dominant Species
Sapling/Shrub Stratum Y=\S	r:		That Are OBL, FACW, or FAC:\OO'/. (A/B)
1.			Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3			OBL species <u>25</u> x1 = <u>25</u>
4			FACW species \$ x 2 = 10
5			FAC species x3 =
Herb Stratum (=5) Total Cove	er: <u> </u>		FACU species x 4 =
1. Salcona Pacifica	25	Y OBL	UPL species x 5 =
2. Distichilis girata		Y FAC	Column Totals: 105 (A) 225 (B
3. Frankeria Salina	- 15	N FACW	Prevalence Index = B/A = 2.14
			Hydrophytic Vegetation Indicators:
4			Dominance Test is >50%
5 6			✓ Prevalence Index is ≤3.0¹
7			Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8 Total Cove	er: 105		Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum			Indicators of hydric soil and wetland hydrology must be present.
2			
Total Cov			Hydrophytic Vegetation Present? Yes No
% Bare Ground in Herb Stratum % Cov	er of Biotic Cru	ist ()	Procent/ Yes / No

SOIL

Sampling Point: SP-1

SOIL								Sampling Point:
Profile Desc	cription: (Describe	to the dep	oth needed to docu	ment the i	indicator	or confir	m the absence	of indicators.)
Depth	Matrix			x Feature		. ,		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		Remarks
0-2	104R 2/1	100					Siclo	Muchy Peat. Greasy/stain
								fixed when rubbed
2-16	GR41094/1	80	5YR 3/4	20	C	M	SIC	Gley page
2 10	013/10/11		-113				5.0	
					-			Rodox promnent
			-			-	-	
				. —				
¹Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix.	² Location	: PL=Poi	e Lining,	RC=Root Chan	nel, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all	LRRs, unless other	rwise not	ed.)		Indicators	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Red	lox (S5)				Muck (A9) (LRR C)
Histic Ep	oipedon (A2)		Stripped M	atrix (S6)			2 cm l	Muck (A10) (LRR B)
Black Hi	stic (A3)		Loamy Mu	cky Minera	l (F1)		Reduc	ced Vertic (F18)
Hydroge	n Sulfide (A4)		∠ Loamy Gle	yed Matrix	(F2)		Red P	Parent Material (TF2)
Stratified	Layers (A5) (LRR (C)	_ Depleted N	-			Other	(Explain in Remarks)
	ick (A9) (LRR D)		Redox Dar		(F6)		1	
	Below Dark Surfac	e (A11)	Depleted D				*	
	ark Surface (A12)	- , ,	Redox Dep					
	Mucky Mineral (S1)		Vernal Poo		, 0)		3Indicators	of hydrophytic vegetation and
	Gleyed Matrix (S4)		veillai Foo)IS (F3)				hydrology must be present.
	Layer (if present):							
Type:/	V/A							
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:								, , , ,
TOP 19	yer of soil	is Mix	x or orgenic	Moste	cang a	MUCI	ry loamy	Imuchy peat. Becomes greasy eat F1 indicator.
then t	one anuden a	ad Stain	s foud when i	ubbed.	NOT H	rick e	nash tan	est El inviente
-1.001	and powerd .						9 10 10	TI MORESTOI.
HYDROLO	GY							
	drology Indicators:						Secon	ndary Indicators (2 or more required)

Primary Indicators (any one indicator is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Drainage Patterns (B10) Dry-Season Water Table (C2) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drift Deposits (B2) (Nonriverine) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B3) (Nonriverine) Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Saturation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No	Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Dry-Season Water Table (C2) Thin Muck Surface (C7) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Saturation Visible on Aerial Imagery (C9) Other (Explain in Remarks) Depth (inches): Water-Stained Leaves (B9) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Depth (inches): Depth (inches): Depth (inches): VestIand Hydrology Present? Yes No No No Remarks:	Primary Indicators (any one indicator is sufficient	ent)	Water Marks (B1) (Riverine)
Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	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)	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Sci	Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) g Roots (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) oils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Saturation Present? Yes No Depth (inches): 10 Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Surface Water Present? Yes No	Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Saturation Present? Yes No	Depth (inches): 10 11	Wetland Hydrology Present? Yes No
	Describe Recorded Data (stream gauge, moni	toring well, aerial photos, previous inspection	ons), if available:
Saturation starts at 10" deep and extend to water table at 14".	Remarks:		×
Saforanor ships of to beet the	Color line year at 10' do	12 to the stand of water las	ove cit 1411.
	Jaturation shits off to be	ce in extens	00000

WETLAND DETERMINATION DATA FORM - Arid West Region

W-3

Project/Site: COllinsville	C	ity/County:	SOLUTIO	County	Sampling Date: 5-8-24
Applicant/Owner: LS Power				State: CA	Sampling Point: SP-2
investigator(s): Karen Bach, Sidney Wells	S	ection Tow	nshin Rang	10: SOO T3N	RIE
Landform (hillslope, terrace, etc.): + crrace / Could	ee i	ocal relief	(concave co	onvex none). COO!	0 × Slone (9/.):
Subregion (LRR): LRR C	at 38	07206	45	Long: - 171.837	1468 Datum: AIAD 93
Soil Map Unit Name: Valdez sittlang dand, 0-					
Are climatic / hydrologic conditions on the site typical for this tir					
Are Vegetation, Soil, or Hydrology sign					present? YesX No
Are Vegetation, Soil, or Hydrology natu SUMMARY OF FINDINGS – Attach site map sh				eded, explain any answer	
Hydrophytic Vegetation Present? Yes _ No _		1 700			,
Hydric Soil Present? Yes No	. /	1 25.1	e Sampled		X
Wetland Hydrology Present? Yes No _		withi	in a Wetlan	d? Yes	No
Remarks:				7.7.3.47.4	
Low terrace above SP-1 vettend &	10+,5	ust be	100 MC	nmule berm.	
VEGETATION					
	A baskits	Daminant	Indiantas	D	1.1
	Absolute % Cover	Dominant Species?		Dominance Test wor	77777777
1				Number of Dominant That Are OBL, FACW	
2				Total Number of Dom	inant
3				Species Across All St	,,
4	_			Percent of Dominant	Species
Sapling/Shrub Stratum Y=151 Total Cover:	0			That Are OBL, FACW	
1				Prevalence Index we	orkshoot:
2				Total % Cover of	Property and the second
3.					x 1 =
4.					x 2 =
5.					x 3 =
Total Cover:	0				x 4 =
Herb Stratum	00	^/			x 5 =
1. Festuca perrenis	20		FAC		(A) (B)
2. Hordeum murinum	20	- D	FACU		
3. Horsey Marinum	30	-4-	FAC		lex = B/A =
4. <u>Piskichis spirata</u> 5. <u>Lactuca Serriola</u>	20	7	FACY FACY	Hydrophytic Vegeta Dominance Tes	
6. FORMUM VUIGAR	5	- N	UPL		
7. Frankeig Saling	10	- N	FACW	A STATE OF THE PARTY OF THE PAR	Adaptations ¹ (Provide supporting
8			FACO	data in Rema	arks or on a separate sheet)
7.10	124	_	-	Problematic Hy	drophytic Vegetation ¹ (Explain)
Woody Vine Stratum ~ 15	171	-			
1					soil and wetland hydrology must
2				be present.	
Total Cover:	0			Hydrophytic	
% Bare Ground in Herb Stratum % Cover	of Biotic (Crust	0	Vegetation Present?	Yes No
Remarks:					

_	_		
•	\boldsymbol{n}	••	
-		.,	

Sampling Point: SP-2

Depth	iption: (Describe t			ox Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1.5	7.54R 2.5/1	100	-				ORG. Si	<u> </u>
1.5-14	2.54 4/3	95	104R4/6	5	CC	M	Sic	
					-	_		
					-			
\ -		_	-					
Type: C=Con	centration, D=Depl	etion, RM	=Reduced Matrix.			re Lining,		annel, M=Matrix.
Hydric Soil In	dicators: (Applica	ble to all	LRRs, unless other		ted.)			ors for Problematic Hydric Soils ³ :
Histosol (A	A1)		Sandy Red					n Muck (A9) (LRR C)
Histic Epip			Stripped M					n Muck (A10) (LRR B)
Black Hist			Loamy Mu					uced Vertic (F18)
	Sulfide (A4)		Loamy Gle	-				Parent Material (TF2)
	ayers (A5) (LRR C)	Depleted N				Othe	er (Explain in Remarks)
	(A9) (LRR D)		Redox Dar		-			
_ Depleted E	Below Dark Surface	(A11)	Depleted D					
	Surface (A12)		Redox Dep	pressions	(F8)			
	cky Mineral (S1)		Vernal Poo	ols (F9)				rs of hydrophytic vegetation and nd hydrology must be present.
	yed Matrix (S4) yer (if present):						Wetta	nd hydrology must be present.
Type: N	1							\ /
Type. /~								
Depth (inche							Hydric So	oil Present? Yes No
Depth (inche	es):		_				Hydric So	oil Present? Yes No
Depth (inche Remarks:	es):Y							
Depth (inche Remarks: YDROLOG Vetland Hydro	Y Dlogy Indicators:	tor in out	Frient					condary Indicators (2 or more required)
Depth (inches Remarks: YDROLOG Vetland Hydro	Y plogy Indicators: ors (any one indica	tor is suf		+/D44\				condary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (inche Primary Indicat Surface W.	Y plogy Indicators: ors (any one indicators)	tor is suf	Salt Crus					condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inches control of the control	Y plogy Indicators: ors (any one indica	tor is sufi	Salt Crus	ıst (B12)				Condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inche Remarks: YDROLOG' Vetland Hydro Primary Indicat Surface W. High Wate Saturation	Y Dlogy Indicators: ors (any one indicators (A1) r Table (A2) (A3)		Salt Crus Biotic Cru Aquatic Ir	ist (B12) nvertebrate				water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (inche Remarks: YDROLOG' Vetland Hydro Primary Indicat Surface W. High Wate Saturation	Y Dlogy Indicators: ors (any one indicators (A1) r Table (A2)		Salt Crus Biotic Cru Aquatic Ir Hydrogen	ist (B12) nvertebrate Sulfide C	dor (C1)		Sec	wondary 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 (inche Remarks: YDROLOG Vetland Hydro Primary Indicat Surface W. High Wate Saturation Water Mar	Y Dlogy Indicators: ors (any one indicators (A1) r Table (A2) (A3)	ne)	Salt Crus Biotic Cru Aquatic Ir Hydrogen	ist (B12) nvertebrate Sulfide C	dor (C1)	Living Ro	Sec	water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (inches control of the control	Y plogy Indicators: ors (any one indicators) ater (A1) r Table (A2) (A3) ks (B1) (Nonrivering) Deposits (B2) (Non	ne) riverine)	Salt Crus Biotic Cru Aquatic Ir Hydrogen	ust (B12) nvertebrate n Sulfide C Rhizosphe	dor (C1) eres along		Sec	wondary 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)
Primary Indicat Surface W. High Water Saturation Water Mari Sediment I Drift Depos	Y plogy Indicators: ors (any one indicators (A1) r Table (A2) (A3) ks (B1) (Nonrivering (A2) Deposits (B2) (Nonsits (B3) (Nonrivering (A3))	ne) riverine)	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized	ust (B12) nvertebrate Sulfide C Rhizosphe of Reduc	odor (C1) eres along ed Iron (C	4)	Sec	wondary 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)
Primary Indicat Surface W. High Wate Saturation Water Mari Sediment I Drift Depos	Y Dlogy Indicators: ors (any one indicators (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonrivering Cracks (B6)	ne) riverine) ne)	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro	nst (B12) nvertebrate Sulfide C Rhizosphe of Reduct on Reduct	odor (C1) eres along ed Iron (C ion in Ploy	4)	Sec	wondary 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)
Primary Indicat Surface W. High Wate Saturation Water Mari Sediment I Drift Depos Surface So Inundation	Y Dlogy Indicators: ors (any one indicators: ater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonsits (B3) (Nonrivering) I Cracks (B6) Visible on Aerial In	ne) riverine) ne)	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro	nst (B12) nvertebrate Sulfide C Rhizosphe of Reduct on Reduct	odor (C1) eres along ed Iron (C ion in Ploy	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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Primary Indicat Surface Water Mari Sediment I Drift Depos Surface So Inundation Water-Stai	Y plogy Indicators: ors (any one indicater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonsits (B3) (Nonrivering Cracks (B6)) Visible on Aerial Inned Leaves (B9)	ne) riverine) ne)	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro	nst (B12) nvertebrate Sulfide C Rhizosphe of Reduct on Reduct	odor (C1) eres along ed Iron (C ion in Ploy	4)	Sec ————————————————————————————————————	wondary 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)
Primary Indicat Surface W. High Wate Saturation Water Mari Sediment I Drift Depos	Y plogy Indicators: ors (any one indicater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonrivering Cracks (B6) Visible on Aerial Intel Leaves (B9) tions:	ne) riverine) ne) nagery (B	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro Other (Ex	ust (B12) nvertebrate n Sulfide C Rhizosphe of Reduce on Reduct plain in Re	odor (C1) eres along ed Iron (C ion in Plov emarks)	4) wed Soils	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) Shallow Aquitard (D3)
Primary Indicat Surface Water Mari Sediment I Drift Depos Surface So Inundation Water-Stai Gurface Water	Y plogy Indicators: ors (any one indicators (A1) or Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonsits (B3) (Nonrivering (B3)) Visible on Aerial Interest (B9) tions: Present? Ye	ne) riverine) ne) nagery (B	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	ust (B12) nvertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in Re	odor (C1) eres along ed Iron (C ion in Plov emarks)	4) wed Soils	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) Shallow Aquitard (D3)
Primary Indicat Surface Water Maria Surface Solument I Drift Depos Surface Solument I Water Saturation Water Saturation Water Scaliment I Water Staid Observation Water Staid Surface Water Water Table Pr	Y Dlogy Indicators: ors (any one indicators: ater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonrivering Dill Cracks (B6) Visible on Aerial Interest (B9) tions: Present? Yeesent? Yeesent?	ne) riverine) ne) nagery (B	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	ust (B12) nvertebrate n Sulfide C Rhizosphe of Reduct on Reduct on Reduct plain in Re nches):	odor (C1) eres along ed Iron (C ion in Plov emarks)	4) wed Soils	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) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Primary Indicat Surface Water Mari Sediment I Drift Depos Surface So Inundation Water-Stai Field Observat Surface Water Vater Table Pr Saturation Presincludes capilla	Y Dlogy Indicators: ors (any one indicators: ater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonrivering Cracks (B6) Visible on Aerial Interest (B9) tions: Present? Yesent? Sent? Present? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent?	ne) riverine) ne) nagery (B s s s	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	ust (B12) nvertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in Re nches): nches):	odor (C1) eres along ed Iron (C ion in Plov emarks)	4) wed Soils Wet	Second 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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Primary Indicat Surface Water Mari Sediment I Drift Depos Surface So Inundation Water-Stai Field Observat Surface Water Vater Table Pr Saturation Presincludes capilla	Y Dlogy Indicators: ors (any one indicators: ater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonrivering Cracks (B6) Visible on Aerial Interest (B9) tions: Present? Yesent? Sent? Present? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent?	ne) riverine) ne) nagery (B s s s	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	ust (B12) nvertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in Re nches): nches):	odor (C1) eres along ed Iron (C ion in Plov emarks)	4) wed Soils Wet	Second 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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Primary Indicat Surface Water Mari Sediment I Drift Depos Surface So Inundation Water-Stai Field Observat Surface Water Vater Table Pr Saturation Presincludes capilla	Y Dlogy Indicators: ors (any one indicators: ater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonrivering Cracks (B6) Visible on Aerial Interest (B9) tions: Present? Yesent? Sent? Present? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent?	ne) riverine) ne) nagery (B s s s	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	ust (B12) nvertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in Re nches): nches):	odor (C1) eres along ed Iron (C ion in Plov emarks)	4) wed Soils Wet	Second 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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inche Remarks: YDROLOGY Wetland Hydro Primary Indicat Surface Water Saturation Water Mari Sediment I Drift Depose Inundation Water-Stain Field Observat Surface Water Vater Table Prosecution Preseincludes capillate Describe Record	Y Dlogy Indicators: ors (any one indicators: ater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonrivering Cracks (B6) Visible on Aerial Interest (B9) tions: Present? Yesent? Sent? Present? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent?	ne) riverine) ne) nagery (B s s s	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	ust (B12) nvertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in Re nches): nches):	odor (C1) eres along ed Iron (C ion in Plov emarks)	4) wed Soils Wet	Second 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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Primary Indicat Surface Water Saturation Water Mari Sediment I Drift Depos Surface So Inundation Water-Stai Surface Water Vater Table Presence Control	Y Dlogy Indicators: ors (any one indicators: ater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonrivering Cracks (B6) Visible on Aerial Interest (B9) tions: Present? Yesent? Sent? Present? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent?	ne) riverine) ne) nagery (B s s s	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	ust (B12) nvertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in Re nches): nches):	odor (C1) eres along ed Iron (C ion in Plov emarks)	4) wed Soils Wet	Second 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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Property (inches Remarks: Property Vetland Hydro Primary Indicat Surface Water Saturation Water Mari Sediment I Drift Depose Surface So Inundation Water-Stain Field Observation Water Table Property Vater Vater Vater Vater Vater Vater Vater	Y Dlogy Indicators: ors (any one indicators: ater (A1) r Table (A2) (A3) ks (B1) (Nonrivering Deposits (B2) (Nonrivering Cracks (B6) Visible on Aerial Interest (B9) tions: Present? Yesent? Sent? Present? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent?	ne) riverine) ne) nagery (B s s s	Salt Crus Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Ir Other (Ex	ust (B12) nvertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in Re nches): nches):	odor (C1) eres along ed Iron (C ion in Plov emarks)	4) wed Soils Wet	Second 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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

				Arid West Region	
Project/Site: ONINSVILLE	Cit	y/County:	Jolano	County	Sampling Date: 05-08-24
Applicant/Owner: US POWEY	100011			State:	Sampling Point: <u>SP-3</u>
nvestigator(s): Karen Bach, Sidney					
_andform (hillslope, terrace, etc.): 1001020	Lo	ocal relief	(concave, co	onvex, none):	Slope (%): 0
Subregion (LRR): LRRC					
Soil Map Unit Name: Valdez Sit 100m, dra					
Are climatic / hydrologic conditions on the site typical for					
Are Vegetation, Soil, or Hydrology					
Are Vegetation, Soil, or Hydrology	_ naturally probl	ematic?	(If nee	eded, explain any ansv	vers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	ap showing s	amplin	g point lo	cations, transec	ts, important features, etc.
Hydric Soil Present? Yes Wetland Hydrology Present? Yes	No No	1000	e Sampled in a Wetlan	Area d? Yes _	No
Remarks: Located on flat, gently sloping circa s depression present.		hope a	nd to th	me east of sp	-1. No obvious
VEGETATION					
Tree Stratum (Use scientific names.) (=30'	Absolute % Cover		Indicator Status	Dominance Test w	
1.	70 00401	Ореспез	<u>Otatus</u>	Number of Dominar That Are OBL, FAC	
2.					
3				Total Number of Do Species Across All	-/
4				Percent of Dominar	
Sapling/Shrub Stratum V=15	Cover:O			That Are OBL, FAC	W, or FAC: (A/B)
				Prevalence Index	worksheet:
1 2				Total % Cover	
3					x 1 =
4.				FACW species	x 2 =
5.				FAC species	x 3 =
Herb Stratum (55) Total (Cover:			FACU species	x 4 =
	20	V	OBL		x 5 =
1. Salicornia pacifica	40	-	FAC	Column Totals: _	(A) (B)
2. <u>Disticutlis</u> 'Spicata 3. Festvca pevennes		N	FAC	Prevalence	Index = B/A =
4. Frankenia Salina	1	N	FACW	-	etation Indicators:
5			THOM		
6				Prevalence I	
7				Morphologica	al Adaptations ¹ (Provide supporting
8				data in Re	emarks or on a separate sheet)
Total	Cover: 144			Problematic	Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum C=15				Indicators of hydbe present.	fric soil and wetland hydrology must
2				_	
_	Cover: O		0	Hydrophytic Vegetation Present?	Yes No
Remarks:	COVER OF DIOLIC (riesenti	.00
Troniano.					

Profile Description: (Describe to the dep	pth needed to docur	ment the	indicator	or confirm	the absence of i	ndicators.)
Depth Matrix		x Feature	es _ 1	. 2	4.4	
(inches) Color (moist) %	Color (moist)	%	_Type ¹	_Loc ²		Remarks
0-2 10482/1_	-				Siclo_	
2-18 2.54 4/1 75	7.51R 3/3	25	C	\overline{M}	SiC	
Type: C=Concentration, D=Depletion, RM= lydric Soil Indicators: (Applicable to all I		wise note		Lining, R		M=Matrix. Problematic Hydric Soils ³ : (A9) (LRR C)
Histic Epipedon (A2)	Stripped Ma					(A10) (LRR B)
Black Histic (A3)	Loamy Muck	y Minera	I (F1)		Reduced V	
_ Hydrogen Sulfide (A4)	Loamy Gley		(F2)		Red Paren	t Material (TF2)
_ Stratified Layers (A5) (LRR C)	XDepleted Ma				Other (Exp	lain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark					
	Depleted Da					
Sandy Mucky Mineral (S1)	Redox Depre		-8)		3Indicators of h	drophytic vegetation and
Sandy Gleyed Matrix (S4)	Veillai Pools	(1-9)				rology must be present.
estrictive Layer (if present):						
estrictive Layer (if present): Type: N/A						
Type: N/A Depth (inches):					Hydric Soil Pres	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Type:						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Type: N/A Depth (inches): emarks:					Hydric Soil Pres	sent? Yes X No
Type:					Hydric Soil Pres	Sent? Yes No No No Indicators (2 or more required)
Type:	The Manager Tool				Hydric Soil Pres	sent? Yes X No
Type:	Salt Crust (I				Hydric Soil Pres	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine)
Depth (inches): DROLOGY Internal Hydrology Indicators: Mary Indicators (any one indicator is sufficient to suff	Salt Crust (I	(B12)			Secondary Water Sedim Drift D	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine)
Type:	Salt Crust (I Biotic Crust Aquatic Inve	(B12) ertebrates			Secondary Water Sedim Drift D Draina	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10)
Type:	Salt Crust (I Biotic Crust Aquatic Inve	(B12) ertebrates ulfide Odd	or (C1)		Secondary Water Sedim Drift D Draina Dry-Se	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2)
Type:	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh	(B12) ertebrates ulfide Ode iizosphere	or (C1) es along L		Secondary Water Sedim Drift D Draina Dry-Se s (C3) Thin M	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7)
Type:	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh	(B12) ertebrates ulfide Ode iizosphere Reduced	or (C1) es along L I Iron (C4)		Secondary Water Sedim Drift D Draina Dry-Se s (C3) Thin M Crayfis	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8)
Type:	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	(B12) ertebrates ulfide Odd izosphere Reduced	or (C1) es along L I Iron (C4) n in Plowe		Secondary Water Sedim Drift D Draina Dry-Se s (C3) Thin M Crayfis Satura	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (C9)
Type:	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	(B12) ertebrates ulfide Odd izosphere Reduced	or (C1) es along L I Iron (C4) n in Plowe		Secondary Water Sedim Drift D Draina Dry-Se S (C3) Thin M Crayfis Satura Shallo	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (C9 w Aquitard (D3)
Type:	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	(B12) ertebrates ulfide Odd izosphere Reduced	or (C1) es along L I Iron (C4) n in Plowe		Secondary Water Sedim Drift D Draina Dry-Se S (C3) Thin M Crayfis Satura Shallo	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3)
Type:	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Other (Expla	(B12) ertebrates ulfide Ode izosphere Reduced Reduction in Ren	or (C1) es along L I Iron (C4) n in Plowe narks)	d Soils (C	Secondary Water Sedim Drift D Draina Dry-Se S (C3) Thin M Crayfis Satura Shallo	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (C9 w Aquitard (D3)
Type:	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Other (Expla	(B12) ertebrates ulfide Ode izosphere Reduced Reduction in in Rem es):	or (C1) es along L I Iron (C4) n in Plowe narks)	d Soils (C	Secondary Water Sedim Drift D Draina Dry-Se S (C3) Thin M Crayfis Satura Shallo	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (C9 w Aquitard (D3)
Depth (inches):	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Other (Expla	(B12) ertebrates ulfide Odd izosphere Reduction ain in Ren es):es):es):es):es	or (C1) es along L I Iron (C4) n in Plowe narks)	d Soils (C	Secondary Water Sedim Drift D Draina Dry-Se s (C3) Thin M Crayfis Satura Shallor	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (C9 w Aquitard (D3)
Type:	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Other (Explain Depth (inch	(B12) ertebrates ulfide Odd izosphere Reduced Reduction ain in Ren es):es):es):	or (C1) es along L I Iron (C4) n in Plowe narks)	d Soils (C	Secondary Water Sedim Drift D Draina Dry-Se S (C3) Thin M Crayfis S Satura Shallor FAC-N	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (C9 w Aquitard (D3) leutral Test (D5) = OBL+FACO

present in this area. SP-1 located in defined depression.

WETLAND DETERMINATION DATA FORM - Arid West Region

[W-4]

roject/Site: COMMS VILLE		City/County:			_ Sampling Date: 05-09-24
pplicant/Owner: LS POWEY	lalle			State:	Sampling Point: SP -1
vestigator(s): Karen Bach, Sidney w					
andform (hillslope, terrace, etc.):					
ubregion (LRR):	Lat:			Long:	Datum:
oil Map Unit Name:			/	NWI classi	fication:
e climatic / hydrologic conditions on the site typical for the	nis time of ye	ar? Yes)			- /
e Vegetation, Soil, or Hydrology	significantly	disturbed?	Are "N	ormal Circumstances	" present? Yes No No
e Vegetation, Soil, or Hydrology	naturally pro	oblematic?	(If need	ded, explain any ansv	wers in Remarks.)
UMMARY OF FINDINGS – Attach site map	showing	samplin	g point lo	cations, transec	ts, important features, etc
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:		with	e Sampled A in a Wetland	rea Yes_	X No
EGETATION Tree Stratum (Use scientific names.) 5 Ft=V	Absolute % Cover	Dominant Species?	Statue	Dominance Test wo	1997/1997/2
·				Number of Dominan That Are OBL, FACV	
2				Total Number of Dor	minant O
·				Species Across All S	
T-110-	er: O			Percent of Dominant	
Sapling/Shrub Stratum SFT=				That Are OBL, FAC	N, or FAC: LOO (A/B
. Rubus armeniacus	_ 5			Prevalence Index v	vorksheet:
				Total % Cover of	
	_				x 1 =
•		. —			x 2 =
					x 3 =
lerb Stratum 5ft=V Total Cov	er: <u>5</u>	-			x 4 =
. Schoenopeetus americanus	10	Ν	OBL		x 5 = (A) (B
turna latifolia	5.	N	OBL	Column Totals:	(A) (B
. Persicaria amphibia	20	1	0B L	Prevalence In	dex = B/A =
Schoenoplectus acuts occidentali		N	OBL	Hydrophytic Vege	tation Indicators:
Denanthe sarmentosa	10	N	OBL	X Dominance Tes	st is >50%
Ludwaia perdoides	25	7	OBL	Prevalence Ind	ex is ≤3.0 ¹
Incus batticus	25	_ <u> </u>	FACW	Morphological	Adaptations ¹ (Provide supporting
. Juneus xiphioides	15	N	OBL		narks or on a separate sheet) ydrophytic Vegetation ¹ (Explain)
Voody Vine Stratum 5 F7=V Total Cov	rer: 117	_		Problematic Hy	diophytic vegetation (Explain)
·				1Indicators of hydrid	soil and wetland hydrology must
	_			be present.	2 son and wedand hydrology must
Total Cov	ver:			Hydrophytic	
% Bare Ground in Herb Stratum \(\sum_{\infty} \) \(\sum_{\infty} \) \(\sum_{\infty} \)	er of Biotic (Crust		Vegetation Present?	Yes No
Remarks: Radius of Vegetation plats	honizad	to asi	nid Con	coma una	Habina Community
KACIOS DI OCCIO HO. MINIS	1 CO VUE	IV (AV	DIG CVV	7711 KI 1006	TOUTON COMMODULE
netland boundary, and topoc	Wanhie	106.00	double		

pth	Matrix		Red	lox Feature	s			
ches)	Color (moist)	%	Color (moist)	%	_Type ¹	_Loc ²		
1.5	7.54× 2.5/	100				-	Silo)
5-6	ONR 3/2	100					Sich	.0
-11	Gley 1 N 4/0	90	7.54P4/6	10	С	M	SICL	0
- 14	Gley N 4/0	97	7.5/R 5/	8 3	C	M	SiCL	0
4-16	Glear Nu/o		Grey 1104	1 5	D	M	SaCL	^
ne. C=C	Concentration, D=Dep				n· PI =Po	ore Lining	RC=Root C	hannel, M=Matrix.
	Indicators: (Applic					oro Emmig	Indicat	tors for Problematic Hydric Soils ³ :
Histoso				edox (S5)	,			em Muck (A9) (LRR C)
	pipedon (A2)			Matrix (S6)				cm Muck (A10) (LRR B)
	Histic (A3)			lucky Miner	al (F1)			educed Vertic (F18)
	en Sulfide (A4)			leyed Matri				ed Parent Material (TF2)
	ed Layers (A5) (LRR	C)	-	Matrix (F3)				her (Explain in Remarks)
	luck (A9) (LRR D)	-,		ark Surface				(-)
	ed Below Dark Surface	ce (A11)		Dark Surfa				
	Dark Surface (A12)			epressions				
	Mucky Mineral (S1)			ools (F9)	, ,		3Indica	tors of hydrophytic vegetation and
Sandy	Gleyed Matrix (S4)		-					land hydrology must be present.
strictive	Layer (if present):							
strictive	Layer (if present):							
estrictive Type: _	NA						Hydric	Soil Present? Yes X No
estrictive Type: _	inches):				·		Hydric	Soil Present? Yes No No
Type: _ Depth (i emarks: /DROL Vetland F rimary In X Surfac High \ X Saturn	OGY Hydrology Indicators dicators (any one indice Water (A1) Water Table (A2) ation (A3)	s: licator is si	Salt C Biotic Aquati	rust (B11) Crust (B12) c Invertebra				Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type: Depth (in the marks: DROL Vetland Horimary In Long Surface High Value Water	OGY Hydrology Indicators dicators (any one indice Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	s: licator is si	Salt C Biotic Aquati Hydro	Crust (B12) c Invertebra gen Sulfide	Odor (C1)	<u>S</u>	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 (interpretation of the content of th	OGY Hydrology Indicators dicators (any one indicators (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivenent Deposits (B2) (N	s: licator is si erine)	Salt C Biotic Aquati Hydro e) Oxidiz	Crust (B12) c Invertebra gen Sulfide ed Rhizosp	Odor (C1 heres alo) ng Living	S 	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 (in the control of th	OGY Hydrology Indicators dicators (any one indicators (any one indicators (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivinent Deposits (B2) (Nonrivinent Deposits (B3) (Nonrivin	s: licator is si erine)	Salt C Biotic Aquati Hydro e) Oxidiz Prese	Crust (B12) c Invertebra gen Sulfide ed Rhizospi nce of Redu	Odor (C1 heres alo) ng Living ((C4)	S 	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 (in the primary In th	OGY Hydrology Indicators dicators (any one indicators (any one indicators (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivent Deposits (B2) (Nonrivent Deposits (B3) (Nonrivent Case)	s: licator is si erine) lonriverin verine)	Salt C Biotic Aquati Hydro Oxidiz Prese Recer	Crust (B12) c Invertebra gen Sulfide ed Rhizospi nce of Redu at Iron Redu	Odor (C1 heres alo iced Iron ction in P) ng Living ((C4) lowed Soi	S 	iecondary 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
Type: Depth (in the marks: DROL Vetland Horimary In Loring Vater Sedin Sedin Surfar Unift In Loring In	OGY Hydrology Indicators dicators (any one indicators (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivent Deposits (B2) (Nonrivent Deposits (B3)) Deposits (B3) (Nonrivent Deposits (B3)) Ce Soil Cracks (B6) dation Visible on Aeria	s: licator is si erine) lonriverin verine)	Salt C Biotic Aquati Hydro Oxidiz Prese Recer	Crust (B12) c Invertebra gen Sulfide ed Rhizospi nce of Redu	Odor (C1 heres alo iced Iron ction in P) ng Living ((C4) lowed Soi	Roots (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 (C3)
Type: Depth (internal line) Surfact Yetland Horimary Internal line Surfact Surfact Surfact Surfact Surfact Inund Water	OGY Hydrology Indicators dicators (any one indicators (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivent Deposits (B2) (Nonrivent Deposits (B3)) Deposits (B3) (Nonrivent Deposits (B3)) Ce Soil Cracks (B6) dation Visible on Aeria	s: licator is si erine) lonriverin verine)	Salt C Biotic Aquati Hydro Oxidiz Prese Recer	Crust (B12) c Invertebra gen Sulfide ed Rhizospi nce of Redu at Iron Redu	Odor (C1 heres alo iced Iron ction in P) ng Living ((C4) lowed Soi	Roots (C3)	iecondary 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
Type: Depth (interpretation of the property) Type: Depth (interpretation of the	OGY Hydrology Indicators dicators (any one indicators (any one indicators (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivonent Deposits (B2) (Nonrivonent Deposits (B6)) Deposits (B6) dation Visible on Aeria	s: licator is si lonriverin verine) al Imagery	Salt C Biotic Aquati Hydro e) Oxidiz Prese Recer (B7) Other	Crust (B12) c Invertebra gen Sulfide ed Rhizospi nce of Redu tt Iron Redu (Explain in	Odor (C1 heres alo iced Iron ction in P) ng Living ((C4) lowed Soi	Roots (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 (C3)
PSTRICTIVE Type: Depth (intermarks: DROL Vetland Frimary Intermary Inter	OGY Hydrology Indicators dicators (any one indicators (any one indicators (any one indicators (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivonent Deposits (B2) (Nonrivonent Deposits (B3) (Nonrivonent Deposits (B6) Deposits (B3) (Nonrivonent Deposits (B6) (N	s: erine) Honriverine verine) al Imagery	Salt C Biotic Aquati Hydro Oxidiz Prese Recer (B7) Other	Crust (B12) c Invertebra gen Sulfide ed Rhizosp nce of Redu at Iron Redu (Explain in	Odor (C1 heres alo iced Iron ction in P Remarks)) ng Living ((C4) lowed Soi	Roots (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 (C3)
PSTRICTIVE Type: Depth (intermarks: DROL Vetland Frimary Intermary Inter	OGY Hydrology Indicators dicators (any one indicators (any one indicators (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivonent Deposits (B2) (Nonrivonent Deposits (B6)) Deposits (B6) dation Visible on Aeria	s: erine) Honriverine verine) al Imagery	Salt C Biotic Aquati Hydro Oxidiz Prese Recer Recer (B7) Other	Crust (B12) c Invertebra gen Sulfide ed Rhizospi nce of Redu tt Iron Redu (Explain in h (inches): _ h (inches): _	Odor (C1 heres alo aced Iron ction in P Remarks)) ng Living (C4) lowed Soi	Roots (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 (C3)
Pastrictive Type: _ Depth (internal light) Primary Internal light) Surfact Water Sedin Water Water Water Water Ta Saturation	OGY Hydrology Indicators dicators (any one indicators (any one indicators (any one indicators (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivonent Deposits (B2) (Nonrivonent Deposits (B3) (Nonrivonent Deposits (B6) Deposits (B3) (Nonrivonent Deposits (B6) (N	s: erine) Honriverine verine) al Imagery	Salt C Biotic Aquati Hydro Oxidiz Prese Recer (B7) Other	Crust (B12) c Invertebra gen Sulfide ed Rhizospi nce of Redu tt Iron Redu (Explain in h (inches): _ h (inches): _	Odor (C1 heres alo aced Iron ction in P Remarks)) ng Living (C4) lowed Soi	Roots (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 (C3)
Type: Depth (internal light) Command Internal light Command Inter	OGY Hydrology Indicators dicators (any one indicators (any one indicators (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivenent Deposits (B2) (Nonrivenent Deposits (B3) (Nonrivenent Deposits (B6) dation Visible on Aerials-r-Stained Leaves (B9) servations: Water Present? ble Present?	erine) Ionriverine) al Imagery b) Yes X Yes X	Salt C Biotic Aquati Hydro Oxidiz Prese Recer (B7) Other No Dept No Dept No Dept	Crust (B12) c Invertebra gen Sulfide ed Rhizosp nce of Redu at Iron Redu (Explain in h (inches): h (inches):	Odor (C1 heres aloued Iron ction in P Remarks)	ng Living (C4) lowed Soi	Roots (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 (Canonical States of Control of Canonical States of Canonical States of Control of Canonical States of

WETLAND DETERMINATION DATA FORM - Arid West Region

[W-4]

Project/Site: CONMSVILE		City/County:			Sampling Date: _	5-9-29	
Applicant/Owner: LS POWER				State: CA	Sampling Point: SP-2		
Investigator(s): Karen Bach, Sidney Wells		Section, Tov	vnship, Ra	nge:			
Landform (hillslope, terrace, etc.):				\	Slop	oe (%):	
Subregion (LRR):							
Soil Map Unit Name:				NWI classific			
Are climatic / hydrologic conditions on the site typical for this t	time of vea	ar? Yes					
Are Vegetation, Soil, or Hydrology sig				'Normal Circumstances"		(No	
Are Vegetation, Soil, or Hydrology nat				eded, explain any answe	2//		
SUMMARY OF FINDINGS – Attach site map si	howing	sampling	point i	ocations, transects	s, important re	atures, etc.	
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No		2.00	Sampled		No X		
Wetland Hydrology Present? Yes No							
/EGETATION			¥ .				
1	Absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
Tree Stratum (Use scientific names.) ← 10	% Cover	Species?	Status	Number of Dominant S That Are OBL, FACW,		(A)	
2.				Total Number of Domi Species Across All Str		(B)	
3 4.			-			(b)	
Total Cover:	0		4	Percent of Dominant S That Are OBL, FACW,		(A/B)	
Sapling/Shrub Stratum 1510				Prevalence Index wo	rkeheet.		
1			1	Total % Cover of:		ly by:	
3.			1.2	OBL species			
4			Y	FACW species			
5.				FAC species	x 3 =		
Total Cover:	0			FACU species	x 4 =		
Herb Stratum (55)	26	V	500.	UPL species			
1. Marrubium Vulgare	35		TACO	Column Totals:	(A)	(B)	
2. Festuca perrennis	20	—	JPL UPL	Dravalance Inde	D/A -		
3. Bromus diandrus	5	-\frac{1}{2}	FACU	Hydrophytic Vegetat	x = B/A =		
Medicago polymorpha	-5			Dominance Test i			
Hordrom minum	3	7	FACU	Prevalence Index			
s. Malua parvifolia	7	7	UPL		aptations ¹ (Provide	supporting	
7. Silybum marianum	0	~	ACW	data in Remar	ks or on a separate	e sheet)	
3. Frankoja salina	95	10 +	1,000	Problematic Hydr	ophytic Vegetation	1 (Explain)	
Woody Vine Stratum (\$\sigma \to\$) Total Cover: _	12						
1				¹ Indicators of hydric so be present.	oil and wetland hyd	drology must	
Total Cover:	0			Hydrophytic Vegetation		V	
% Bare Ground in Herb Stratum	f Biotic Cr	rust			es No_		
Remarks: Dimensions of Veydation plots red topographical boundaries.	uced t	o ove	g cons	ing regetation	comm un it	a cong	

The state of the s	
Sampling	Doint.
Sampling	LOIDI.

Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc2	Text	ture Remarks
0-7	104R 3/1	99_	7.54R 3/3	4		\sim	51C	Lo
	0.64.0/0	100						
7-14	2.54 9/3	100					<u>C</u> L	.0
							-	
	-			_				
Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix.	² Location	PI =Pore	Lining F	RC=Root	t Channel, M=Matrix.
	Indicators: (Applic		RRs, unless other	wise not	ed.)	Limig		icators for Problematic Hydric Soils ³ :
Histosol			Sandy Redo				_	1 cm Muck (A9) (LRR C)
	oipedon (A2)		Stripped Ma					2 cm Muck (A10) (LRR B)
Black Hi			Loamy Mucl					Reduced Vertic (F18)
	n Sulfide (A4)	-1	Loamy Gley		(F2)			Red Parent Material (TF2)
	Layers (A5) (LRR (ه)	Depleted Ma	, ,	(Ea)		_	Other (Explain in Remarks)
	ick (A9) (LRR D) d Below Dark Surfac	0 (011)	Redox Dark					
	ark Surface (A12)	e (ATT)	Depleted Da					
	lucky Mineral (S1)		Redox Depr Vernal Pools		F0)		3Indi	icators of hydrophytic vegetation and
	leyed Matrix (S4)		vernar room	5 (1 3)				vetland hydrology must be present.
Restrictive L	ayer (if present):							
Туре:	NIA		_					~
Depth (inc	ches):		<u></u>				Hydri	ic Soil Present? Yes No
	y hard/comp							
YDROLO	GY							
Wetland Hyd	drology Indicators:							Secondary Indicators (2 or more required)
Primary Indic	ators (any one indic	ator is sufficie	ent)					Water Marks (B1) (Riverine)
_ Surface \	Water (A1)		Salt Crust (Sediment Deposits (B2) (Riverine)
	ter Table (A2)		Biotic Crus					Drift Deposits (B3) (Riverine)
Saturatio	n (A3)		Aquatic Inv	ertebrate	s (B13)			Drainage Patterns (B10)
Water Ma	arks (B1) (Nonriveri	ne)	Hydrogen S					Dry-Season Water Table (C2)
Sedimen	t Deposits (B2) (Nor	nriverine)	Oxidized R	hizosphe	res along Li	iving Roo	ots (C3)	Thin Muck Surface (C7)
_ Drift Dep	osits (B3) (Nonriver	ine)	Presence of					Crayfish Burrows (C8)
_ Surface S	Soil Cracks (B6)		Recent Iron			d Soils (C6)	Saturation Visible on Aerial Imagery (C9
Inundatio	on Visible on Aerial I	magery (B7)	Other (Exp	ain in Re	marks)			Shallow Aquitard (D3)
	ained Leaves (B9)							FAC-Neutral Test (D5)
ield Observ			X					
Surface Wate			Depth (inc					
Vater Table I			Depth (inc					
Saturation Pro includes cap		es No	Depth (inc	hes):		Wetla	and Hyd	drology Present? Yes No
Describe Rec	orded Data (stream	gauge, monit	oring well, aerial p	hotos, pre	evious inspe	ections),	if availab	ble:
Remarks:								

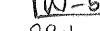
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

[W-5]

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Collins/III/e	City/Co	ounty: <u>Solal</u>	Nb Ctrivatry Sampling Date: O	15-09-2
Applicant/Owner: <u>VS_Powev</u>			State: A Sampling Point: S	SP-1
Investigator(s): <u>Vaven Bach, Sidwey Wells</u>	Section	ı, Township, Raı	nge:	
Landform (hillslope, terrace, etc.):	Local :	relief (concave, o	convex, none); Slope	(%):
Subregion (LRR): Lat:			Long: Datum:	•
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for this time of				
Are Vegetation, Soil, or Hydrology significan		•	Normal Circumstances" present? Yes	No
Are Vegetation, Soil, or Hydrology naturally			eded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing				tures, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No		Is the Sampled within a Wetlar	Area	
Remarks: VEGETATION				
Absolu	ıte Domi	nant Indicator	Dominance Test worksheet:	1
	ver Spec	ies? Status	Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
3			Total Number of Dominant Species Across All Strata:	(B)
4Total Cover: Sapling/Shrub Stratum			Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B)
1			Prevalence Index worksheet:	
2			Total % Cover of: Multiply k	oy:
3			OBL species x 1 =	
4			FACW species x 2 =	
5			FAC species x 3 =	
Total Cover: Herb Stratum	<u> </u>		FACU species x 4 =	
1. Distictlis spicata (OK	<u>, </u>	FAC	UPL species x 5 = Column Totals: (A)	
2. Salicovnia padfica 40	N	OBL	Goldini Fotals (A)	(D)
3. Juneus balticus 20	<u>' </u>	<u> FACW</u>	Prevalence Index = B/A =	
4. Son semplectus acutus occidentalis 5		UBL OBL	Hydrophytic Vegetation Indicators:	
5			Dominance Test is >50%	
6			Prevalence Index is ≤3.01	
7			Morphological Adaptations ¹ (Provide su data in Remarks or on a separate sh	ipporiing neet)
8 Total Cover: 1 ?) (Problematic Hydrophytic Vegetation¹ (E	Explain)
Woody Vine Stratum	<u></u>			
1. 2.			¹ Indicators of hydric soil and wetland hydrol be present.	ogy must
Total Cover: % Bare Ground in Herb Stratum % Cover of Biotic Remarks:	•	0	Hydrophytic Vegetation Present? Yes No	

S	O	ı	÷
u	v	E	



Sampling Point: SP-1

Danille	onpuem (Decemen		oth needed to docu		maibatoi	OI COIDIIII	i tile absence or	maioatoron
Depth	Matrix			x Feature	s1	1 2	*** ,	.
(inches)	Color (moist)	%	Color (moist)	_ %	. Type	Loc ²	<u>Texture</u>	Remarks
<u>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </u>	2 2.5/		F	-			<u>~:</u>	
0-1	Gley 1 N 2.5/0	100				***************************************	<u> 9i</u> _	
1-6	2.543/	<i>1</i> 00					SiCLO	
6-8	5V 4/1	93	2.54 4/4	7			Losa	
Q -12	5151	90	54R 4/A	10		M/PL		
0-11		70	O IC TIM			101110		
								
	oncentration, D=Depl					re Lining, R	C=Root Channel	
Hydric Soil	Indicators: (Applica	able to all			ed.)			r Problematic Hydric Soils ³ :
Histoso	, ,		Sandy Red					ck (A9) (LRR C)
	pipedon (A2)		Stripped M					ck (A10) (LRR B)
	listic (A3)		Loamy Mu	-				Vertic (F18)
	en Sulfide (A4) d Layers (A5) (LRR 0	*)	Loamy Gle Z Depleted M					ent Material (TF2) oplain in Remarks)
	uck (A9) (LRR D)	"	Redox Dar				Other (E)	Andrew Rt 17011101109)
	ed Below Dark Surface	e (A11)	Depleted D					
1	ark Surface (A12)	,	Redox Dep					
	Mucky Mineral (S1)		Vernal Poo				³ Indicators of	hydrophytic vegetation and
Sandy	Gleyed Matrix (S4)						wetland hy	drology must be present.
Restrictive	Layer (if present):							
Туре:								\checkmark
Depth (in	iches):						Hydric Soil Pr	resent? Yes No No
Remarks:		**			:		•	
1								
HYDROL C	ng Y		1		· · · · · · · · · · · · · · · · · · ·			
HYDROLC							Seconda	ary Indicators (2 or more required)
Wetland Hy	drology Indicators:	ator is suf	ficient)				ah. fir hadding	ary Indicators (2 or more required)
Wetland Hy	drology Indicators: leators (any one indica	ator is suf		L/D44\			Wat	er Marks (B1) (Riverine)
Wetland Hy Primary Indi	rdrology Indicators: icators (any one indica v Water (A1)	ator is suf	Salt Crust				Wat Sed	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine)
Wetland Hy Primary Indi Surface High W	vdrology Indicators: icators (any one indica water (A1) ater Table (A2)	ator is suf	Salt Crust	st (B12)	(D42)		Wat Sed Drift	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
Wetland Hy Primary Indi Surface High W Saturat	vdrology Indicators: icators (any one indicators) water (A1) ater Table (A2) ion (A3)		Salt Crust Biotic Cru Aquatic Ir	st (B12) vertebrate			Wat Sed Drift Drai	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10)
Wetland Hy Primary Indi Surface High W Saturat Water N	vdrology Indicators: icators (any one indica water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver)	ne)	Salt Crusi Biotic Cru Aquatic Ir X Hydrogen	st (B12) vertebrate Sulfide O	dor (C1)	Living Poo	Wat Sed Drift Drai Dry-	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2)
Wetland Hy Primary Indi Surface High W Saturat Water N Sedime	vdrology Indicators: icators (any one indica water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriverl ent Deposits (B2) (Nor	ne) ıriverine)	Salt Crusi Biotic Cru Aquatic Ir X Hydrogen Oxidized	st (B12) ivertebrate Sulfide O Rhizosphe	dor (C1) eres along	Living Roo	Wat Sed Drift Drai Dry- ots (C3) Thin	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7)
Wetland Hy Primary Indi Surface High W Saturat Water M Sedime Drift De	vdrology Indicators: icators (any one indicators) water (A1) later Table (A2) ion (A3) Marks (B1) (Nonriveri ent Deposits (B2) (Noriveri	ne) ıriverine)	Salt Crusi Biotic Cru Aquatic Ir X Hydrogen Oxidized Presence	st (B12) vertebrate Sulfide O Rhizosphe of Reduce	dor (C1) eres along ed Iron (C	4)	Wat Sed Drift Drai Dry- ots (C3) Thin Cra	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8)
Wetland Hy Primary Indi Surface High W Saturat Water M Sedime Drift De Surface	vdrology Indicators: icators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver) int Deposits (B2) (Nonriver) e Soil Cracks (B6)	ne) nriverine) ine)	Salt Crust Biotic Cru Aquatic Ir X Hydrogen Oxidized Presence Recent Ire	st (B12) overtebrate Sulfide O Rhizosphe of Reduct on Reduct	dor (C1) eres along ed Iron (C ion in Plo		Wat Sed Drift Drail Dry- ots (C3) Thin Cray C6) Satu	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9)
Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat	vdrology Indicators: icators (any one indicators) Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver) int Deposits (B2) (Nonriver) iposits (B3) (Nonriver) is Soil Cracks (B6) idon Visible on Aerial I	ne) nriverine) ine)	Salt Crust Biotic Cru Aquatic Ir X Hydrogen Oxidized Presence Recent Ire	st (B12) overtebrate Sulfide O Rhizosphe of Reduct on Reduct	dor (C1) eres along ed Iron (C ion in Plo	4)	Wat Sed Drift Drai Dry- ots (C3) Thin Cray C6) Satu	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
Wetland Hy Primary Indi Surface High W Saturat Water M Sedime Drift De Surface Inundat Water-S	vdrology Indicators: icators (any one indicators) vater (A1) later Table (A2) ion (A3) Marks (B1) (Nonriver) iont Deposits (B2) (Nonriver) e Soil Cracks (B6) lion Visible on Aerial In Stained Leaves (B9)	ne) nriverine) ine)	Salt Crust Biotic Cru Aquatic Ir X Hydrogen Oxidized Presence Recent Ire	st (B12) overtebrate Sulfide O Rhizosphe of Reduct on Reduct	dor (C1) eres along ed Iron (C ion in Plo	4)	Wat Sed Drift Drai Dry- ots (C3) Thin Cray C6) Satu	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9)
Wetland Hy Primary Indi X Surface High W Saturat Water N Sedime Drift De X Surface Inundat Water-S Field Obser	vdrology Indicators: icators (any one indicators) vater (A1) later Table (A2) ion (A3) Marks (B1) (Nonriver) ont Deposits (B2) (Nonriver) e Soil Cracks (B6) lion Visible on Aerial In Stained Leaves (B9) rvations:	ne) nriverine) iine) magery (E	Salt Crust Biotic Cru Aquatic Ir X Hydrogen Oxidized Presence Recent Ire 37) Other (Ex	st (B12) Evertebrate Sulfide O Rhizosphe of Reduce on Reduct plain in Re	dor (C1) eres along ed Iron (C ion in Plo	4)	Wat Sed Drift Drai Dry- ots (C3) Thin Cray C6) Satu	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse	vidrology Indicators: icators (any one indicators) water (A1) later Table (A2) ion (A3) Marks (B1) (Nonriver) iont Deposits (B2) (Nonriver) e Soil Cracks (B6) lion Visible on Aerial In Stained Leaves (B9) rvations: ter Present?	ne) nriverine) rine) magery (E	Salt Crust Biotic Cru Aquatic Ir X Hydrogen Oxidized Presence Recent Iro Other (Ex	st (B12) evertebrate Sulfide O Rhizosphe of Reduce on Reduct plain in Re	dor (C1) eres along ed Iron (C ion in Plo	4)	Wat Sed Drift Drai Dry- ots (C3) Thin Cray C6) Satu	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
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Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F	vidrology Indicators: icators (any one indicators) video (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver) iont Deposits (B2) (Nonriver) iont Deposits (B3) (Nonriver) iont Oracks (B6) ideo Visible on Aerial Instance Leaves (B9) rvations: ter Present? Present? Video (A1) video (A2) v	ne) nriverine) rine) magery (E es <u>X</u> es <u>X</u>	Salt Crust Biotic Cru Aquatic Ir X Hydrogen Oxidized Presence Recent Iro Other (Ex	st (B12) evertebrate Sulfide O Rhizosphe of Reduct on Reduct plain in Re	dor (C1) eres along ed Iron (C ion in Plot emarks)	4) wed Soils (0	Wat Sed Drift Drai Dry- ots (C3) Thin Cray C6) Satu	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) C-Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F (includes ca	vidrology Indicators: icators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver) ent Deposits (B2) (Nonriver) e Soil Cracks (B6) ion Visible on Aerial In Stained Leaves (B9) rvations: ter Present? Present?	ne) nriverine) rine) magery (E	Salt Crust Biotic Crust Aquatic Ir X Hydrogen Oxidized Presence Recent Ir Other (Ex No Depth (ir No Depth (ir	st (B12) evertebrate Sulfide O Rhizosphe of Reduct on Reduct plain in Re enches):	dor (C1) eres along ed Iron (C ion in Plot emarks) 10 Ur-face	4) wed Soils (0	Wat Sed Drift Dry Dry Cray Satu Sha FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) C-Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F (includes ca	vidrology Indicators: icators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver) ion Deposits (B2) (Nonriver) ion Soil Cracks (B6) iden Visible on Aerial Instance (B9) rvations: ter Present? Present? Present? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Vie	ne) nriverine) rine) magery (E	Salt Crust Biotic Crust Aquatic Ir X Hydrogen Oxidized Presence Recent Ir Other (Ex No Depth (ir No Depth (ir	st (B12) evertebrate Sulfide O Rhizosphe of Reduct on Reduct plain in Re enches):	dor (C1) eres along ed Iron (C ion in Plot emarks) 10 Ur-face	4) wed Soils (0	Wat Sed Drift Dry Dry Cray Satu Sha FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) C-Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F (includes ca	vidrology Indicators: icators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver) ion Deposits (B2) (Nonriver) ion Soil Cracks (B6) iden Visible on Aerial Instance (B9) rvations: ter Present? Present? Present? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Vie	ne) nriverine) rine) magery (E	Salt Crust Biotic Crust Aquatic Ir X Hydrogen Oxidized Presence Recent Ir Other (Ex No Depth (ir No Depth (ir	st (B12) evertebrate Sulfide O Rhizosphe of Reduct on Reduct plain in Re enches):	dor (C1) eres along ed Iron (C ion in Plot emarks) 10 Ur-face	4) wed Soils (0	Wat Sed Drift Dry Dry Cray Satu Sha FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) C-Neutral Test (D5)
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Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F (includes ca Describe Re	vidrology Indicators: icators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver) ion Deposits (B2) (Nonriver) ion Soil Cracks (B6) iden Visible on Aerial Instance (B9) rvations: ter Present? Present? Present? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Vie	ne) nriverine) rine) magery (E	Salt Crust Biotic Crust Aquatic Ir X Hydrogen Oxidized Presence Recent Ir Other (Ex No Depth (ir No Depth (ir	st (B12) evertebrate Sulfide O Rhizosphe of Reduct on Reduct plain in Re enches):	dor (C1) eres along ed Iron (C ion in Plot emarks) 10 Ur-face	4) wed Soils (0	Wat Sed Drift Dry Dry Cray Satu Sha FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) C-Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F (includes ca Describe Re	vidrology Indicators: icators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver) ion Deposits (B2) (Nonriver) ion Soil Cracks (B6) iden Visible on Aerial Instance (B9) rvations: ter Present? Present? Present? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Vie	ne) nriverine) rine) magery (E	Salt Crust Biotic Crust Aquatic Ir X Hydrogen Oxidized Presence Recent Ir Other (Ex No Depth (ir No Depth (ir	st (B12) evertebrate Sulfide O Rhizosphe of Reduct on Reduct plain in Re enches):	dor (C1) eres along ed Iron (C ion in Plot emarks) 10 Ur-face	4) wed Soils (0	Wat Sed Drift Dry Dry Cray Satu Sha FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) C-Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F (includes ca Describe Re	vidrology Indicators: icators (any one indicators) water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriver) ion Deposits (B2) (Nonriver) ion Soil Cracks (B6) iden Visible on Aerial Instance (B9) rvations: ter Present? Present? Present? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Yeresent? Vierial Indicators: Vie	ne) nriverine) rine) magery (E	Salt Crust Biotic Crust Aquatic Ir X Hydrogen Oxidized Presence Recent Ir Other (Ex No Depth (ir No Depth (ir	st (B12) evertebrate Sulfide O Rhizosphe of Reduct on Reduct plain in Re enches):	dor (C1) eres along ed Iron (C ion in Plot emarks) 10 Ur-face	4) wed Soils (0	Wat Sed Drift Dry Dry Cray Satu Sha FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) C-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM – Arid West Region

[W-9]

Project/Site: Collinsville	City/County:	Sampling Date: $\frac{5-\hat{\gamma}-2\hat{\gamma}}{5-\hat{\gamma}-2\hat{\gamma}}$
Applicant/Owner:		State: Sampling Point:
Investigator(s): KurenDach, Sidney Mens	Section, Township, Rar	nge:
Landform (hillslope, terrace, etc.):		
Subregion (LRR): Lat:		
Soil Map Unit Name:		
Are climatic / hydrologic conditions on the site typical for this time of ye		
Are Vegetation, Soil, or Hydrology significantly		Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr		eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point lo	ocations, transects, important features, etc.
Hydrophylic Vegetation Present? Yes No	la the Campled	Avec
Hydric Soil Present? Yes No	Is the Sampled within a Wetlan	
Wetland Hydrology Present? Yes No	. Within a wedan	iur res No
Remarks:		
VEGETATION		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Absolute	Dominant Indicator	Dominance Test worksheet:
	r Species? Status	Number of Dominant Species
1,		That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata: (B)
3		Species Across All Strata: (B)
4. Total Cover:		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum	-	
1. Rosa carillarica 15	- Y FAC	Prevalence Index worksheet:
2. Rubus arminerceus 2		Total % Cover of: Multiply by:
3	<u> </u>	OBL species x 1 =
4		FAC species x 2 =
5Total Cover: 17		FACUL enocine x 4 =
Herb Stratum 155		FACU species x 4 = UPL species x 5 =
1. Festuca perennis 3	AL FAC	Column Totals: (A) (B)
2. Forniculum uulgase 15		(b)
3. Juneus basiteds	N FINCH	Prevalence Index = B/A =
4. Distichris spirates 5	NEAC	Hydrophytic Vegetation Indicators:
5. Festuca myuros 80	Y UPL	Dominance Test is >50%
6. Bronnus diradrus 3	<u>. N </u>	Prevalence Index is ≤3.0 ¹
7		Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8.		Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum V = \S\	_	
1		¹ Indicators of hydric soil and wetland hydrology must
2.	•	be present.
Total Cover:		Hydrophytic
% Bare Ground in Herb Stratum % Cover of Biotic	Crust	Vegetation Present? Yes No
Remarks:		
Tree plot Size reduced to avoid enough ye	Consecutity bose	Jai (68 .
Live him of the property of the second)	

\sim		
~ 1 1	31	

Sampling Point: $S\rho - 2$

Profile Desc	ription: (Descri	be to the depti	needed to document the indicat	or or confirm	the absence of inc	dicators.)
Depth	Matri:		Redox Features			
(inches)	Color (moist)	- %	Color (moist) % Type	e Loc²	Texture	Remarks
0-2	1048 2/1	100		·····	Sand	
2-16	10YR 3/4	G01			Sand	
	-				***************************************	
						<u> </u>
¹Type: C=Co	oncentration, D=D	epletion, RM=F	Reduced Matrix. ² Location: PL=	— ——— Pore Linina. R	C=Root Channel. M	=Matrix.
			RRs, unless otherwise noted.)	<u> </u>		roblematic Hydric Soils ³ ;
Histosol	(A1)		Sandy Redox (S5)		1 cm Muck (A9) (LRR C)
	oipedon (A2)		Stripped Matrix (S6)			A10) (LRR B)
Black Hi	stic (A3)		Loamy Mucky Mineral (F1)		Reduced Ve	rtic (F18)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)		Red Parent I	Material (TF2)
	d Layers (A5) (LR	RC)	Depleted Matrix (F3)		Other (Expla	in In Remarks)
	ick (A9) (LRR D)		Redox Dark Surface (F6)			
	Below Dark Sur		Depleted Dark Surface (F7)			
	ark Surface (A12)		Redox Depressions (F8)		3	
	łucky Mineral (S1	•	Vernal Pools (F9)			frophytic vegetation and
	eleyed Matrix (S4 ayer (if present				wettand nydro	plogy must be present.
	-h - a \				Headala Call Bass	No. X
	ches):				Hydric Soil Prese	ent? Yes No / \
Remarks:						
						минический поставляющий поставлени поставляющий поставляющий поставляющий поставляющий поставля
HYDROLO	GY					
Wetland Hvo	drology Indicato	rs:			Secondary 1	Indicators (2 or more required)
_	ators (any one in		ent)			Marks (B1) (Riverine)
Surface		dicator is sumo	Salt Crust (B11)			
	• •		Biotic Crust (B12)			ent Deposits (B2) (Riverine)
Saturatio	iter Table (A2)		Aquatic Invertebrates (B13	,		eposits (B3) (Riverine)
				•		ge Patterns (B10)
	arks (B1) (Nonri		Hydrogen Sulfide Odor (C1			ason Water Table (C2)
	nt Deposits (B2) (Oxidized Rhizospheres alo			uck Surface (C7)
	oosits (B3) (Nonri	verine)	Presence of Reduced Iron			h Burrows (C8)
	Soil Cracks (B6)	al Imagen (D7)	Recent Iron Reduction in F	•	•	ion Visible on Aerial Imagery (C9)
	on Visible on Aeri		Other (Explain in Remarks	,		V Aquitard (D3)
Field Observ	tained Leaves (B	9)			FAC-IN	eutral Test (D5)
		Von N	a X Donth (Inches)			
Surface Water		162 N	o X Depth (inches):			and the state of t
Water Table			o X Depth (inches):	I	.,,	
Saturation Pr		Yes N	o X Depth (inches):	Wetla	and Hydrology Pres	sent? Yes No _X
(includes cap Describe Red		am gauge, mor	itoring well, aerial photos, previous	inspections). i	if available:	
		5 9 - 1 11.01				
Remarks:						
		i i				

W-6

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Collinsuille	City/County: SIGNO COUNTY Sampling Date: S - 10	-24
pplicant/Owner: LS Power	State: CA Sampling Point: SP	
vestigator(s): Karen Buch, Solney M	Section, Township, Range: SOO T3N LIE	
C-01000	Local relief (concave, convex, none); Stope (%);	10
brasing (LDD), L.Q.C.	Lat: 32,0/198/ Long: -121,03200 Datum: 1	4000
il Man Unit Name: Vardez Sitt loam, &	ained, 0-2%. SIOPES NWI classification: 1	
e climatic / bydrologic conditions on the site typical	or this time of year? Yes No (If no, explain in Remarks.)	
e Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes	lo
e Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)	
e vegetation, Soil, or rivationary	in a point locations transacts important feature	as ata
UMMARY OF FINDINGS – Attach site	nap showing sampling point locations, transects, important featur	35, 610.
Hydrophytic Vegetation Present? Yes	No Is the Sampled Area	
Hydric Soil Present? Yes	Is the Sampled Area No X No X within a Wetland? Yes No No	
Vetland Hydrology Present? Yes	_ NoX	
Remarks:		
EGETATION – Use scientific names of	Total and the section of the section	
ree Stratum (Plot size: 101)	Absolute Dominant Indicator Dominance Test worksheet: Dominance Test worksheet: Dominant Species	
(lot oils)	That Are OBL FACIN OF FAC:	(A)
	Total Number of Definition	(B)
	Percent of Dominant Species That Are OBL, FACW, or FAC:	/, (A/B)
Sapling/Shrub Stratum (Plot size: Y= 10		(, , ,)
	Prevalence Index worksheet:	
	X 2 =	
	X 3 =	
15- 61	= Total Cover FACU species x 4 =	
erb Stratum (Plot size: V= 51	UPL species x5=	
Hordeum marinum	TACU Column Totals: (A)	(B)
Lolium perenne	5 Prevalence Index = B/A =	
Elymus +riticodes	2 N FAC Hydrophytic Vegetation Indicators:	
trankenia salina	15 FACW Dominance Test is >50%	
Disticulis spicota	Prevalence Index is ≤3.0¹	
. Polypapon monospeliensi	Morphological Adaptations ¹ (Provide	supporting
sonthus oleraceus	5 V UPL data in Remarks or on a separate	
5 10	= Total Cover Problematic Hydrophytic Vegetation	(Explain)
Voody Vine Stratum (Plot size: V=10'		
	Indicators of hydric soil and wetland hy	
	be present, unless disturbed or problem	atic.
	= Total Cover Hydrophytic	
Pero Cround in Line Otto	Vegetation Vegetation	
% Bare Ground in Herb Stratum	% Cover of Biotic Crust	

SOIL

Sampling Point: SP - \

absence of indicators.)
exture Remarks
Lo
CLo
Clo
² Location: PL=Pore Lining, M=Matrix.
dicators for Problematic Hydric Soils ³ :
_ 1 cm Muck (A9) (LRR C)
_ 2 cm Muck (A10) (LRR B)
Reduced Vertic (F18) Red Parent Material (TF2)
Other (Explain in Remarks)
_ Other (Explain in Remarks)
ndicators of hydrophytic vegetation and
wetland hydrology must be present,
unless disturbed or problematic.
. /
dric Soil Present? Yes No _X_
2
1
Secondary Indicators (2 or more required)
Water Marks (B1) (Riverine)
Sediment Deposits (B2) (Riverine)
Drift Deposits (B3) (Riverine)
Drainage Patterns (B10)
B) Dry-Season Water Table (C2)
Crayfish Burrows (C8)
Saturation Visible on Aerial Imagery (C9
Shallow Aquitard (D3)
FAC-Neutral Test (D5)
lydrology Present? Yes No
lydrology Present? Yes No
lydrology Present? Yes No

W-6

WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: CONINGINE	City/County: 50100	O Comty Sampling Date: 5-10-29
Applicant/Owner: LS Power		
Investigator(s): Karen Bach, Sidna Wells		
Landform (hillslope, terrace, etc.):		
Subregion (LRR): LRC Lat:	31.071965	Long: -121.83 2448 Datum: NAD 8
Soil Map Unit Name: Vaider Silt Lam, Land		
Are climatic / hydrologic conditions on the site typical for this time of		
Are Vegetation, Soil, or Hydrology significar	1,37	Normal Circumstances" present? Yes No
		FOR THE STATE OF T
Are Vegetation, Soil, or Hydrology naturally SUMMARY OF FINDINGS – Attach site map showi		
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes X No Yes X No	- Is the Sampled	Area
VEGETATION – Use scientific names of plants.		1 17
Tree Stratum (Plot size: 7= 5) Absolu		Dominance Test worksheet:
1	ver Species? Status	Number of Dominant Species
2		That Are OBL, FACW, or FAC: (A)
3		Total Number of Dominant Species Across All Strata: (B)
4		
5.51	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 125)		
1		Prevalence Index worksheet:
2		
4		FACW species x 2 =
5.		FAC species x 3 =
C-61	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: 7=61) Y OGL	UPL species x 5 =
1. Schonophelus acutus ssp. occidentalis 40	D X OBL	Column Totals: (A) (B)
2. Tueha lakifolia 30 3. cotva coronoposolia 7	N OBL	Prevalence Index = B/A =
4. Cyperus eragostis 10	A.	
5. Alisma gramineum 3	NOOL	✓ Dominance Test is >50%
6.		Prevalence Index is ≤3.0¹
7.		Morphological Adaptations ¹ (Provide supporting
8		data in Remarks or on a separate sheet)
G- 61 97	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size: (= 5')		The state of the s
1		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	7	
% Bare Ground in Herb Stratum % Cover of Biot	= Total Cover	Hydrophytic Vegetation Present? Yes No
Remarks:	ne community	the lead to a contract to the leads
Remarks: PLOT Size reduced to avoid crossing vs	y we	Lintal no tobolithmic 2000000162.

Sampling Point: Sp - 2

Redox Features	nfirm the absence of indicators.)
Color (moist) % Type¹ Loc	c ² Texture Remarks
	SiLo
104R 4/6 15	5, 1,6
10712	
1010 1/1 00	SiC
109K 3/16 10	_ 510
and the time of Control or Control Sar	nd Grains. ² Location: PL=Pore Lining, M=Matrix.
Regulates otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
	1 cm Muck (A9) (LRR C)
	2 cm Muck (A10) (LRR B)
	Reduced Vertic (F18)
	Red Parent Material (TF2)
Depleted Matrix (F3)	Other (Explain in Remarks)
Redox Dark Surface (F6)	
Depleted Dark Surface (F7)	
Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Vernal Pools (F9)	wetland hydrology must be present,
	unless disturbed or problematic.
_	Hydric Soil Present? Yes X No
_	Hydric Soil Present? Yes No
heck all that apply)	Secondary Indicators (2 or more required)
The state of the s	Water Marks (B1) (Riverine)
Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2)
Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4)	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9)
Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7)	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9)
Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): 311	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): 311 Depth (inches): 514600	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): 311 Depth (inches): 514600	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): 311 Depth (inches): 514600	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) //etland Hydrology Present? Yes No
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) Depth (inches): 311 Depth (inches): 514600 Depth (inches): 514600	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) //etland Hydrology Present? Yes No
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) Depth (inches): 311 Depth (inches): 514600 Depth (inches): 514600	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) //etland Hydrology Present? Yes No
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) Depth (inches): 311 Depth (inches): 514600 Depth (inches): 514600	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) //etland Hydrology Present? Yes No
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) Depth (inches): 311 Depth (inches): 514600 Depth (inches): 514600	Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) //etland Hydrology Present? Yes No
	Reduced Matrix, CS=Covered or Coated Sar RRs, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Check all that apply) Salt Crust (B11)

W-4W-7

WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: Collinville		ity/County:	Sda	no County Sampling Date: 5-10	0-24
Applicant/Owner: \S POWEY		nty/county		State: Sampling Point: Sig -	3
nvestigator(s): Karen Bach, Sidney Wells		ection Town	nship Rar	nge: SNO T3N RIE	_
andform (hillslope, terrace, etc.): foot lone		ocal relief (concave.	convex none) Slight Slope Slope (%)	5
				Long: -121.831953 Datum: 1	
Soil Map Unit Name: Valdez Sit 10cm /drain					
Are climatic / hydrologic conditions on the site typical for					
Are Vegetation, Soil, or Hydrology				"Normal Circumstances" present? Yes X	lo
Are Vegetation, Soil, or Hydrology	naturally prob	olematic?	(If ne	eeded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS - Attach site ma	ap showing	sampling	point le	ocations, transects, important feature	es, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes Yes Yes	No No		Sampled a Wetlar	V	
/EGETATION				Deminance Test worksheet	
<u>Tree Stratum</u> (Use scientific names.)		Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
1					_ (^)
3.				Total Number of Dominant Species Across All Strata:	(B)
4.					_ (5)
Total C	cover:			Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B)
Sapling/Shrub Stratum	ar	7	+		_ (/////
1. Rosa Californica	85	11	FAC	Prevalence Index worksheet:	
2. Buchais pilvieris	- 12	-N-	UPL	Total % Cover of: Multiply by:	
3. Rubis amereascus		_/\		OBL species x 1 =	
4				FACW species x 2 = FAC species x 3 =	
5	over: 98				-
Total C	over:	,		FACU species x 4 = UPL species x 5 =	_
1. Distictlis spicata	10	1	FAC	Column Totals: (A)	
2. Foeniculum vulgare	5	N	URL		(5)
3. Melilotus albus	15	7	UPL	Prevalence Index = B/A =	_
4. Elymas +riticoides	16	_N_	FAC	Hydrophytic Vegetation Indicators:	
5				Mominance Test is >50%	
6				Prevalence Index is ≤3.0 ¹	
7				Morphological Adaptations ¹ (Provide supp data in Remarks or on a separate shee	orting
8				Problematic Hydrophytic Vegetation¹ (Exp	
Total C	Cover: 3			robbinate riyarophytic vegetation (Exp	,,,,,
Woody Vine Stratum				¹ Indicators of hydric soil and wetland hydrolog	v must
1			-	be present.	
	Cover:		-	Hydrophytic	
				Vegetation \/	
% Bare Ground in Herb Stratum % 0	Cover of Biotic C	rust		Present? Yes No	-
Remarks:					
	2				

-	_		
	u	ш	

epth nches)	Matrix Color (moist)	%		x Features %	Type ¹	_Loc ²	Texture	Remarks
0-4	104R 2/1	100					SILO	
7-11	2.54 3/1	40	104R 4/4	46	С	M	5a	
11-10	Gley 1 N4/0	93	104R 4/10	7	C	RC	SCLO	
	oncentration, D=Deple					e Lining, F	RC=Root Char	nnel, M=Matrix.
ydric Soil I	ndicators: (Applica	ble to all			d.)			s for Problematic Hydric Soils ³ :
_ Histosol (Sandy Redo					Muck (A9) (LRR C)
	ipedon (A2)		Stripped Ma		(F4)			Muck (A10) (LRR B) ced Vertic (F18)
_ Black His	stic (A3) n Sulfide (A4)		Loamy Muc Loamy Gley					Parent Material (TF2)
	Layers (A5) (LRR C)		Depleted Ma		2)			(Explain in Remarks)
	ck (A9) (LRR D)		Redox Dark		6)			Name of the Party
	Below Dark Surface	(A11)	Depleted Da					
	k Surface (A12)		Redox Depr		3)			
	ucky Mineral (S1)		Vernal Pools	s (F9)				of hydrophytic vegetation and
	eyed Matrix (S4)						wetland	hydrology must be present.
	ayer (if present);							
Type: No	ne to 22"						Undria Call	Becount? You X No
Type: NO Depth (inch emarks:	ne to 22 ¹¹ nes):						Hydric Soil	Present? Yes No
DROLOG etland Hydro mary Indicat Surface Wi High Water Saturation Water Mark Sediment D	re to 22 (1) res): residence of the second	or is suffic) verine)	ient) Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized Ri Presence of Recent Iron	(B12) ertebrates (sulfide Odor nizospheres f Reduced I	r (C1) s along l lron (C4)	Secor W S S S S S S S S S S S S S S S S S S	Present? Yes No No No Noterine) Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Indicators (2 or more required) Vater Marks (B1) (Riverine) Indicators (B2) (Riverine) Indicators (B3) (Riverine) Indicators (B4) (Riverine) Indica
Depth (inchemarks: DROLOG etland Hydromary Indicat Surface Work High Water Saturation Water Mark Sediment D Drift Depos Surface Sol	re to 22 (1) res): Ology Indicators: cors (any one indicator dater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine District (B3) (Nonriverine	or is suffic) verine)	Salt Crust (Biotic Crust (Aquatic Invo Hydrogen S Oxidized Ri Presence of Recent Iron	(B12) ertebrates (sulfide Odor nizospheres f Reduced I Reduction	r (C1) s along l fron (C4 in Plow)	Secor W S D D D D C S (C3) T C6) S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) irainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) irayfish Burrows (C8)
Depth (inchemarks: DROLOG etland Hydromary Indicate Surface Work High Water Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain	res):	or is suffic) verine) e) gery (B7)	Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized Ri Presence of Recent Iron Other (Explain	(B12) ertebrates (sulfide Odor nizospheres f Reduced I Reduction ain in Rema	r (C1) s along l fron (C4 in Plow)	Secor W S D D D D C S (C3) T C6) S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rrayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Depth (inchemarks: DROLOG etland Hydromary Indicat Surface Willer Mark Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain	res):	or is suffic) verine)	Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence of Recent Iron Other (Explain	(B12) ertebrates (sulfide Odor nizospheres f Reduced I Reduction ain in Rema	r (C1) s along l fron (C4 in Plow)	Secor W S D D D D C S (C3) T C6) S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rrayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Depth (inchemarks: DROLOG etland Hydro imary Indicat Surface Water Mark Sediment Depos Surface So Inundation Water-Stair Id Observati	resent? Yes	or is suffice o) verine) gery (B7)	Salt Crust (Biotic Crust (Aquatic Invo Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expla	(B12) ertebrates (sulfide Odor nizospheres f Reduced I Reduction ain in Rema	r (C1) s along I dron (C4 in Plow arks))	Secor W S D D D D C S (C3) T C6) S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rrayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Depth (inchemarks: DROLOG etland Hydro imary Indicat Surface Water Mark Sediment D Drift Depos Surface So Inundation Water-Stair Id Observati face Water F ter Table Presuration Prese ludes capilla	resh:	or is suffice verine) gery (B7)	Salt Crust (Biotic Crust (Aquatic Invi Hydrogen S Oxidized Ri Presence of Recent Iron Other (Explain	(B12) ertebrates (fulfide Odor nizospheres f Reduced I Reduction ain in Rema	r (C1) s along l iron (C4 in Plow arks)	ed Soils (C	Secor	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rrayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Depth (inchemarks: DROLOG etland Hydro imary Indicat Surface Water Mark Sediment D Drift Depos Surface So Inundation Water-Stair Id Observati face Water F ter Table Presuration Prese ludes capilla	res):	or is suffice verine) gery (B7)	Salt Crust (Biotic Crust (Aquatic Invi Hydrogen S Oxidized Ri Presence of Recent Iron Other (Explain	(B12) ertebrates (fulfide Odor nizospheres f Reduced I Reduction ain in Rema	r (C1) s along l iron (C4 in Plow arks)	ed Soils (C	Secor	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rrayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inchemarks: DROLOG etland Hydromary Indicate Surface Water Mark Sediment Depose Surface Solundation Water-Stair Water-Stair Id Observatiface Water For Table Presuration Preseludes capillater in the content of	reses: respondence to 22 for the sest of	or is suffice verine) gery (B7) No	Salt Crust (Biotic Crust (Aquatic Invo Hydrogen S Oxidized Ri Presence of Recent Iron Other (Explain Depth (inch Depth (inch toring well, aerial ph	(B12) ertebrates (fulfide Odor nizospheres f Reduced I Reduction ain in Rema	r (C1) s along l lron (C4 in Plow arks) ous insp	ed Soils (C	Secor	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rrayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)

[W-6/W-7]

vestigator(s): Karen Buch, Silvey Wells andform (hillslope, terrace, etc.): bern/Mid terra	S	ection, Tow	nship, Ran	ge: SOO ISO FIG	Slane (V).
indform (hillslope, terrace, etc.): Derroy IVI(a) terrace	20	ocal relief (Concave, c	Janes: 127 821602	Slope (%):
ubregion (LRR): LRRC	Lat: _30,	0/150	001	Long:121.0 \$10 92	Datum: NAVA
il Map Unit Name: Vande7 Sit 100m, draine					
e climatic / hydrologic conditions on the site typical for this			→ No _	(If no, explain in Remark	s.)
e Vegetation, Soil, or Hydrology sig				Normal Circumstances" presen	
e Vegetation, Soil, or Hydrology na	turally prob	lematic?	(If ne	eded, explain any answers in F	temarks.)
UMMARY OF FINDINGS – Attach site map s	howing	sampling	point lo	ocations, transects, imp	portant features, etc.
Hydrophytic Vegetation Present? Yes No	X		B. W. S. Ja	188	
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No		107/191	Sampled		X
Wetland Hydrology Present? Yes No	X	withi	n a Wetlan	id? Yes	No /
Damandari				TOTAL CONTRACTOR	
Located on a raisely, ory bern between					
٨. ٨	Absolute			Dominance Test workshee	rt:
		Species?		Number of Dominant Specie	
				That Are OBL, FACW, or FA	100
				Total Number of Dominant	3
-				Species Across All Strata:	(B)
Total Cover:	0			Percent of Dominant Specie	
Sapling/Shrub Stratum V=101				That Are OBL, FACW, or FA	AC (A/E
. Rosa Californica	20		TAC	Prevalence Index worksho	eet:
Baccharis piwaris	15		UPL		
Rubus armaniaceus	10	N		OBL species	
				FACW species	_ x 2 =
	-15			FAC species	
Total Cover	45			FACU species	
terb Stratum r=5 Foeniculum vulgare	30	Y	UPL	UPL species	
^	2	1	01-	Column Totals:	(A) (E
. Raphanu Satuta Romex crupus	2	N		Prevalence Index = 1	B/A =
Elymos fixtioides	3	N	-	Hydrophytic Vegetation I	
Tuncus balticus	2.	N		Dominance Test is >5	
Hagrotheca gardinora	-	N		Prevalence Index is ≤	
Distichis spicate	1	~/		Morphological Adapta	tions1 (Provide supporting
		- 14		data in Remarks or	r on a separate sheet)
Total Cover	· UI			Problematic Hydrophy	tic Vegetation ¹ (Explain)
Voody Vine Stratum (=16		-			
				¹Indicators of hydric soil a	nd wetland hydrology mus
				be present.	
Total Cover	r:_O			Hydrophytic	-1
	r of Biotic (Crust		Vegetation Present? Yes_	No X
6 Bare Ground in Herb Stratum % Cove					

W-6/W-7

SOIL

Sampling Point: 59-4

Profile Description: (Describe to the depth needed to do			or confirm	the absence	of mulcators.)
Depth Matrix F (inches) Color (moist) % Color (moist)	Redox Features Medox Features	Type ¹	Loc ²	Texture	Remarks
() -			L	Losa	
0-7 104R2/1 100					
0-7 101/2/1 100					
		_			
7-13 2.57 3/2 97 IOYR 3/4	3_		M	Sa	
3-17 2.54 4/1 60 2.54 4/3	40	C.	MA	Sala	
3 17 2.01 VI WO 2.01 1/2	70		11.11.5		
		_			
Type: C=Concentration, D=Depletion, RM=Reduced Matrix			re Lining, R	C=Root Char	nnel, M=Matrix.
lydric Soil Indicators: (Applicable to all LRRs, unless of	therwise note	d.)			s for Problematic Hydric Soils ³ :
Histosol (A1) Sandy l	Redox (S5)				Muck (A9) (LRR C)
Histic Epipedon (A2) Strippe	d Matrix (S6)				Muck (A10) (LRR B)
	Mucky Mineral				ced Vertic (F18)
	Gleyed Matrix ((F2)		_	Parent Material (TF2)
	ed Matrix (F3)			Other	(Explain in Remarks)
	Dark Surface (F				
	ed Dark Surface				
	Depressions (F	8)		3Indicators	of hydrophytic vegetation and
	Pools (F9)				d hydrology must be present.
Sandy Gleyed Matrix (S4) Restrictive Layer (if present):				Welland	a nyarology made be present.
Type:				Undela Cal	I Present? Yes No
				HVaric Soil	Present resNo
Depth (inches):					
Remarks:					
Pemarks:					ndary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators:				Seco	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine)
Portional Process of the Portion of	rust (B11)				
PROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is sufficient) Surface Water (A1) Salt C	rust (B11) Crust (B12)			<u>Seco</u> V	Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
/DROLOGY //etland Hydrology Indicators: rimary Indicators (any one indicator is sufficient) Surface Water (A1) Salt C High Water Table (A2) Biotic	Crust (B12)	(B13)		<u>Seco</u> V	Vater Marks (B1) (Riverine)
/DROLOGY //etland Hydrology Indicators: rimary Indicators (any one indicator is sufficient) Surface Water (A1) Salt C High Water Table (A2) Biotic Saturation (A3) Aquati	Crust (B12) ic Invertebrates			Seco — _ V S [Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
POROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Hydrogen	Crust (B12) ic Invertebrates gen Sulfide Odd	or (C1)	Living Root	Seco V S I	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
/DROLOGY //etland Hydrology Indicators: rimary Indicators (any one indicator is sufficient) Surface Water (A1) Salt C High Water Table (A2) Biotic Saturation (A3) Aquati Water Marks (B1) (Nonriverine) Hydrog Sediment Deposits (B2) (Nonriverine) Oxidiz	Crust (B12) ic Invertebrates gen Sulfide Odo ed Rhizosphere	or (C1) es along		Seco — _ V S [[[ss (C3) 1	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Por Company Co	Crust (B12) ic Invertebrates gen Sulfide Odo ed Rhizosphere nce of Reduced	or (C1) es along I Iron (C	4)	Seco V S [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)
Vetland Hydrology Indicators: Irimary Indicators (any one indicator is sufficient) 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) Wetland Hydrological Hydrolo	Crust (B12) ic Invertebrates gen Sulfide Odo ed Rhizosphere nce of Reduced it Iron Reduction	or (C1) es along I Iron (Can n in Plov	4)	Seco V S [Water 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)
Por Company Co	Crust (B12) ic Invertebrates gen Sulfide Odo ed Rhizosphere nce of Reduced	or (C1) es along I Iron (Can n in Plov	4)	Seco V S [Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Por Company Co	Crust (B12) ic Invertebrates gen Sulfide Odo ed Rhizosphere nce of Reduced it Iron Reduction	or (C1) es along I Iron (Can n in Plov	4)	Seco V S [Water 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)
Por Company Co	Crust (B12) ic Invertebrates gen Sulfide Odd ed Rhizosphere nce of Reduced it Iron Reduction (Explain in Rem	or (C1) es along I Iron (C4 n in Plov narks)	4) wed Soils (C	Seco V S [Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Vetland Hydrology Indicators: Inimary Indicators (any one indicator is sufficient) 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) ield Observations: Surface Water Present? Yes No Depth	Crust (B12) ic Invertebrates gen Sulfide Odd ed Rhizosphere nce of Reduced at Iron Reduction (Explain in Rem	or (C1) es along I Iron (C4 n in Plov narks)	4) wed Soils (C	Seco V S [Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Vetland Hydrology Indicators: Irimary Indicators (any one indicator is sufficient) Surface Water (A1) Salt C High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidiz Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) ield Observations: Surface Water Present? Ves No Depth Water Table Present? Ves No Depth	Crust (B12) ic Invertebrates gen Sulfide Odd ed Rhizosphere nce of Reduced it Iron Reduction (Explain in Ren in (inches):	or (C1) es along I Iron (C- n in Plov narks)	4) wed Soils (C	Seco V S C	Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Por Cology Vetland Hydrology Indicators: rimary Indicators (any one indicator is sufficient) 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) ield Observations: urface Water Present? Ves No Depth aturation Present? Yes No Depth aturation Present?	Crust (B12) ic Invertebrates gen Sulfide Odd ed Rhizosphere nce of Reduced it Iron Reduction (Explain in Ren in (inches):	or (C1) es along I Iron (C- n in Plov narks)	4) wed Soils (C	Seco V S C	Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Vetland Hydrology Indicators: rimary Indicators (any one indicator is sufficient) 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) ield Observations: urface Water Present? Ves No Depth aturation Present? Yes No Depth notudes capillary fringe)	Crust (B12) ic Invertebrates gen Sulfide Odd ed Rhizosphere nce of Reduced it Iron Reduction (Explain in Ren in (inches): in (inches):	or (C1) es along I Iron (C- n in Plov narks)	4) wed Soils (C	Seco	Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland Hydrology Indicators: Vetland Hydrology Indicators:	Crust (B12) ic Invertebrates gen Sulfide Odd ed Rhizosphere nce of Reduced it Iron Reduction (Explain in Ren in (inches): in (inches):	or (C1) es along I Iron (C- n in Plov narks)	4) wed Soils (C	Seco	Water Marks (B1) (Riverine) Gediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Gaturation Visible on Aerial Imagery (C9) Ghallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland Hydrology Indicators: Irimary Indicators (any one indicator is sufficient) Surface Water (A1) Salt C High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidiz Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) ield Observations: Surface Water Present? Ves No Depth Depth Caturation Present? Vater Table Present? Ves No Depth Depth Depth Describe Recorded Data (stream gauge, monitoring well, aerial leavers)	Crust (B12) ic Invertebrates gen Sulfide Odd ed Rhizosphere nce of Reduced at Iron Reduction (Explain in Rem in (inches): in (inches): in (inches): in (inches):	or (C1) es along I Iron (C4 n in Plov narks)	4) wed Soils (C	Seco	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland Hydrology Indicators: rimary Indicators (any one indicator is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidiz Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) ield Observations: urface Water Present? Ves No Depth vater Table Present? Yes No Depth recludes capillary fringe) lescribe Recorded Data (stream gauge, monitoring well, aer	Crust (B12) ic Invertebrates gen Sulfide Odd ed Rhizosphere nce of Reduced at Iron Reduction (Explain in Rem in (inches): in (inches): in (inches): in (inches):	or (C1) es along I Iron (C4 n in Plov narks)	4) wed Soils (C	Seco	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
PROLOGY Petland Hydrology Indicators: rimary Indicators (any one indicator is sufficient) 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) Peld Observations: Purface Water Present? Pes No Depthen autorion Present? Pes No Depthen autorion Present? Peter	Crust (B12) ic Invertebrates gen Sulfide Odd ed Rhizosphere nce of Reduced at Iron Reduction (Explain in Rem in (inches): in (inches): in (inches): in (inches):	or (C1) es along I Iron (C4 n in Plov narks)	4) wed Soils (C	Seco	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

				- Arid West Region
Project/Site: 10/11/05/10		City/County	: Solar	Sampling Date: 06-03-24
Applicant/Owner LS Could				State: Sampling Point: SP -5
Investigator(s): Sidney Wells, Kaven bar	ch_	Section, To	wnship, Ra	ange: 500 T3N R16
Landform (hillsland torrace etc.): Fronts love		Local relief	(concave,	convex, none): Slope (%): 3
Subregion (LRR): LFRC	_ Lat: _3	8.0700	148	Long: 121.830918 Datum: NAO83
Soil Map Unit Name: Valde 2 Sit 10am , drained	0-2%	Siopes		NWI classification: E2EM\N
Are climatic / hydrologic conditions on the site typical for this	s time of yea	ar? Yes _	X No_	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologys				"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology n				eeded, explain any answers in Remarks.)
			g point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No	$_{\circ} \times$	2.3	e Sampleo in a Wetla	× ×
Remarks:				
signt vamilsione at toeslape of hil	1 to the	, north		
VEGETATION				
- Coul	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Use scientific names.) (=15'		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 / O O
Sapling/Shrub Stratum (2007)	-	1.12		That Are OBL, FACW, or FAC: (A/B)
1. ROSA CALIFORNICA	40	7	FAC	Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5	11.0			FAC species x 3 =
Herb Stratum $V = 9$ Total Cover	:_40_			FACU species x 4 =
Herb Stratum 1. AANUNS (epson)	5	N	062	UPL species x 5 =
2 Dishenilis spicata	80	7	FAC	Column Totals: (A) (B)
3. Xantvium strmanium	0.	1	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			-1710	Prevalence Index is ≤3.0¹
7				Morphological Adaptations ¹ (Provide supporting
8.				data in Remarks or on a separate sheet)
Total Cover:	94			Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum √=15				1
1				¹ Indicators of hydric soil and wetland hydrology must be present.
2				
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	1		Hydrophytic Vegetation Present? Yes No
Remarks:	or bloud of	ust		1103GHL1 163 NO
nomand.				

Sampling Point: SP-5

Profile Description: (Describe to the de		or confirm the	absence of in	idicators.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type1	Loc ²	Texture	Remarks
0-9 10 YR 4/3 100	Color (moist) 70 Type	S	i a	Remarks
10 11 1/3 100				
9-10 10 YR 2/1 100			050	
10 1/1 101/2 3/- 100			CLO	
10-14 10 YR 3/2 100		3		
	M=Reduced Matrix. ² Location: PL=Pore			
Hydric Soil Indicators: (Applicable to al	I LRRs, unless otherwise noted.)	- 1	ndicators for	Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)			(A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	_	2 cm Muck	(A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	_	Reduced V	ertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	- 2	Red Parent	Material (TF2)
_ Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	_	Other (Exp	lain 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)	3	Indicators of hy	drophytic vegetation and
_ Sandy Gleyed Matrix (S4)				ology must be present.
estrictive Layer (if present):				
Type:NONC				. 1
Depth (inches):		н	vdric Soil Pros	sent? YesNo
Remarks:			yano com rites	sent? Yes No
				,
				,
etland Hydrology Indicators:			Secondary	Indicators (2 or more required)
/etland Hydrology Indicators: rimary Indicators (any one indicator is suff	icient)			
letland Hydrology Indicators: rimary Indicators (any one indicator is suff Surface Water (A1)	icient) Salt Crust (B11)		Water	Marks (B1) (Riverine)
etland Hydrology Indicators: imary Indicators (any one indicator is suff	A STATE OF THE STA		Water Sedim	Marks (B1) (Riverine) ent Deposits (B2) (Riverine)
etland Hydrology Indicators: rimary Indicators (any one indicator is suff Surface Water (A1)	Salt Crust (B11) Biotic Crust (B12)		Water Sedim	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine)
retland Hydrology Indicators: rimary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2) Saturation (A3)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)		Water Sedim Drift D Draina	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10)
Tetland Hydrology Indicators:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)		Water Sedim Drift D Draina Dry-Se	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2)
Vetland Hydrology Indicators: rimary Indicators (any one indicator is suff Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	 Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li 	ving Roots (C	Water Sedim Drift D Draina Dry-Se 3) Thin M	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7)
Vetland Hydrology Indicators: rimary 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)	 Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) 		Water Sedim Drift D Draina Dry-Se 3) Thin M	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2)
Vetland Hydrology Indicators: rimary 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)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Plowe		Water Sedim Drift D Draina Dry-Se 3) Thin M Crayfis	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8)
Vetland Hydrology Indicators: rimary 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)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Plowe		Water Sedim Drift D Draina Dry-Se Thin M Satura	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (C9)
Vetland Hydrology Indicators: rimary 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)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Plowe		Water Sedim Drift D Draina Dry-Se Thin M Crayfis Satura Shallo	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3)
Vetland Hydrology Indicators: rimary 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) eld Observations:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Plowe To ther (Explain in Remarks)		Water Sedim Drift D Draina Dry-Se Thin M Crayfis Satura Shallo	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (C9)
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W-6

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 Wetland Hydrology Present? Yes No Wetland? Yes	Applicant/Owner: LS Power Investigator(s): Lacen Back Sides Vell Section Landform (hillslope, terrace, etc.): Hour of Local Subregion (LRR): LPPC Lat: 38.07 Soil Map Unit Name: Vallez Six I Dam, Jane, 0-27. Are climatic / hydrologic conditions on the site typical for this time of year? Y Are Vegetation, Soil, or Hydrology significantly disture Are Vegetation, Soil, or Hydrology naturally problems SUMMARY OF FINDINGS - Attach site map showing sam Hydrophytic Vegetation Present? Yes No Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Remarks: VEGETATION Tree Stratum (Use scientific names.) Y= 10	State: CA Sampling Point: SP-6 on, Township, Range: SO T3N RIE I relief (concave, convex, none):
Landform (hillslope, terrace, etc.): To Live Size Local reliate (concave, convex, none):	Landform (hillslope, terrace, etc.):	Irelief (concave, convex, none):
Submegion (LRR): Let Situ 10 Any Mark 10 And Committed Indicator (In readed, explain any answers in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No (In readed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrology Present? Yes No Is to the Sampled Area within a Wetland? Yes No within a Wetland? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No	Subregion (LRR): Lat:	NWI classification:
Subtregion (LRR): Let SADIJO Long:YEL_TO_ Datum; AMOSS Soll Map Unit Name: Vau(\(\) Sitt 10 Amo; X(\(\) Amost 10 Amost 1 hydrologic conditions on the sile typical for this time of year? Yes No ((Inc. explain in Remarks.) Are Vegetation Soll or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No ((Inceded, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrologistic Vegetation Present? Yes No	Subregion (LRR): Lat:	NWI classification:
Soil Map Unit Name: Val C Sitt Dam, C C C	Soil Map Unit Name: Valdez Silt 100M, March 0-2/. Are climatic / hydrologic conditions on the site typical for this time of year? Y Are Vegetation, Soil, or Hydrology significantly distured and the vegetation, Soil, or Hydrology naturally problems. SUMMARY OF FINDINGS - Attach site map showing same summary of Findings - Attach s	NWI classification:
Are climatic / hydrologic conditions on the sile 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 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 within a Wettand? Yes No No within a Wettand? Yes No No Normal Care Normal Cover. Species Status. **VEGETATION** Tree Stratum (Use scientific names.) Y > [b' % Cover. Species Status.] 1.	Are climatic / hydrologic conditions on the site typical for this time of year? Y Are Vegetation, Soil, or Hydrology significantly distur Are Vegetation, Soil, or Hydrology naturally problems SUMMARY OF FINDINGS - Attach site map showing sam Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks: VEGETATION Tree Stratum (Use scientific names.) Y= 10	Are "Normal Circumstances" present? Yes No atic? (If needed, explain any answers in Remarks.) Inpling point locations, transects, important features, etc. Is the Sampled Area within a Wetland? Yes No minant Indicator ecies? Status
Are Vegetation	Are Vegetation, Soil, or Hydrology significantly distured are Vegetation, Soil, or Hydrology naturally problems are Vegetation, Soil, or Hydrology naturally problems are SUMMARY OF FINDINGS - Attach site map showing same and the same are site of the same are significantly disturb and the site of the same and the same are significantly disturb and the site of the same are significantly disturb and the same are significantly disturb and the significant and the signifi	Are "Normal Circumstances" present? Yes No atic? (If needed, explain any answers in Remarks.) Inpling point locations, transects, important features, etc. Is the Sampled Area within a Wetland? Yes No minant Indicator ecies? Status
Absolute Dominant Species Total Cover. Total Cover. Saplina/Shrub Stratum Signature Sign	Are Vegetation, Soil, or Hydrology naturally problems SUMMARY OF FINDINGS - Attach site map showing sam Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks: /EGETATION Tree Stratum (Use scientific names.) > 10	Is the Sampled Area within a Wetland? 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 Percent of Dominant Species Percent of Dominant Species Percent of Dominant Species
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Dominant Indicator within a Wetland? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Yes No Dominant Species No Dominant Species That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (Are Total No Cover of Multiply by: 000 (Are Total No Cov	Hydrophytic Vegetation Present? Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No	Is the Sampled Area within a Wetland? Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:
Hydric Soll Present? Wetland Hydrology Present? Remarks: ### Wetland Hydrology Present? Yes	Hydric Soil Present? Wetland Hydrology Present? Remarks: /EGETATION Tree Stratum (Use scientific names.) \(\sigma = \text{10} \) 1. 2. 3. 4. Sapling/Shrub Stratum \(\sigma = \text{10} \) 1. \(\sigma = \text{20} \) 2. 3. 4. Total Cover: 2. 3. 4. Total Cover: 7.	minant Indicator ecies? Status Dominance Test worksheet: Number of Dominant Species 2 (A) Total Number of Dominant 3 (B) Percent of Dominant Species 100 Percent
Dominant Indicator Species? Status Number of Dominant Species Status Status Species Status Status Species Status Status Species Status Status Species Stat	Tree Stratum (Use scientific names.) $r = 10^{\circ}$ Absolute % Cover Special Sp	Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species (A)
Tree Stratum (Use scientific names.) Y = 10 % Cover Species? Status Sta	Tree Stratum (Use scientific names.) F 6 % Cover Special S	Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species (A)
1. That Are OBL, FACW, or FAC: (A) 2. Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: (DO) (AVE Sapling/Shrub Stratum Y= 10	1	That Are OBL, FACW, or FAC: (A) Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species
Total Cover: Tot	2. 3. 4. Sapling/Shrub Stratum F=10 1. Ses bania punicea 2 2. 3. 4. 5. Total Cover:	Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species
3. Species Across All Strata: (B) Sapiling/Shrub Stratum (Fold) 1. Section is projected. 2. Stratum (Fold) 3. Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: (D) (AFE) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x1 = FACW species x2 = FACW species x3 = FACW species x3 = FACW species x4 = UPL species x4 = UPL species x5 = Column Totals: (A) (E) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x4 = UPL species x4 = UPL species x4 = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A = UPL species x5 = Column Totals: (A) (E) Prevalence Index = B/A =	3	Species Across All Strata: (B) Percent of Dominant Species
Percent of Dominant Species That Are OBL, FACW, or FAC:	4 Total Cover: Sapling/Shrub Stratum	Percent of Dominant Species
Total Cover. O	Sapling/Shrub Stratum 1. Ses bania Punicea 2 2.	
Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species	1. <u>Sesbania</u> punicea 2 1 2 3 4 5 Total Cover:	That Are OBL, FACW, of FAC: (A/B)
Total % Cover of:	2	√ Frevalence Index worksheet:
OBL species x1 =	3	
FACW species X 2 = FAC species X 3 = FACW species X 3 = FACW species X 4 = FACW species X 5 = FACW species Second species Second species X 5 = FACW species Second species Second species Second	4	OBL species x 1 =
FAC species x3 =	5	
Herb Stratum (5) 1. Potentia anserina ssp. Pacifica 20		EAC anadica
1. POTENTIA ANSERIA SSP. PACIFICA 2. DILLIO MEXICANE 3. Hydrocotyle Verniciata 4. Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 5. DILLIONS SPICELEN 6. Schoenopiechus acutus var. occidentalia 7. NOBL Prevalence Index = B/A = Hydrophytic Vegetation Indicators: X. 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) Woody Vine Stratum V=10¹ 1. Total Cover: Wespectation Total Cover: Wespectation Total Cover: Wespectation Total Cover: Wespectation Present? Hydrophytic Vegetation Present? Yes No		FACU species x 4 =
2. Junius Mexicans 3. Hydrocotyle Versicala 77 N OBL 4. Clantago Igneriata 3 N FAC 5. Distribus Spicator 10 N FAC 6. Schoenopeedus acutus var. occidenta 2 N OBL 7. Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Woody Vine Stratum 15 Total Cover: When the stratum 15 N Cover of Biotic Crust 15 N OBL Total Cover: Whydrophytic Vegetation Indicators: X Dominance Test is >50% Prevalence Index = B/A = Hydrophytic Vegetation Indicators: X Dominance Test is >50% Prevalence Index = B/A = Hydrophytic Vegetation Indicators: X Dominance Test is >50% Prevalence Index = B/A = Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes No	Herb Stratum (5'	V PL species x 5 =
Prevalence Index = B/A =	116	Column Totals: (A) (B)
Hydrophytic Vegetation Indicators: A.	The state of the s	N OB/ Prevalence Index = R/A =
Schoenopylectus access var. occidental 2 N OBL Prevalence Index is >50%	3. Hyprocongic Vernishing	
Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)		
Total Cover: Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes No	o. Districting Springer	
data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present. Total Cover:		
Total Cover: 87 1		data in Remarks or on a separate sheet)
1	Total Cavas:	Problematic Hydrophytic Vegetation ¹ (Explain)
1 'Indicators of hydric soil and wetland hydrology must be present. 2 Total Cover: Hydrophytic Vegetation Present? Yes No	Woody Vine Stratum V= 10	
2 be present. Hydrophytic Vegetation Present? Yes No		Indicators of hydric soil and wetland hydrology must
Total Cover: Hydrophytic We Bare Ground in Herb Stratum \(\frac{1}{5} \) % Cover of Biotic Crust \(\frac{1}{5} \) Hydrophytic Vegetation Present? Yes \(\frac{1}{5} \) No		be present.
% Bare Ground in Herb Stratum 15 % Cover of Biotic Crust Present? Yes No No	Total Cover:	Vegetation X
Remarks:	% Bare Ground in Herb Stratum\ % Cover of Biotic Crust _	Description No.
	Remarks:	Present? Yes_/ NO
		Present? Yes_/No

SOIL

Sampling Point: Se-6

	(D 11 1	41. 1					the cheenee	of indicators \
Depth		to the dep	oth needed to doc			or confirm	the absence	of indicators.)
	Matrix (moist)	%	Color (moist)	dox Features %	Type	Loc ²	Texture	Remarks
0-2.5 2.54		98	7.5484/6	2	C	M	5aC	
		10	1.2 1. 11.					· -
5-C5 Made	\11/	92	104R 46		-	W	Salo	
2,5-6,5 Glever	19/	17	104R 4/6			101	2970	-
			//			- 1 1	-	
5-9.5 Gley 2	LN 5/	90	104R 3/6	10	C	MPL		
O								
7.5-13.5 574	1/1	50	104R4/b	10	C	\overline{M}	Sa	
	N W/	GA	104R 5/6	8		101/01/01	SICL	
13-15.5 aley 1		17				- / 1		and Madde
Type: C=Concentrat						ore Lining, F		nnel, M=Matrix. rs for Problematic Hydric Soils³:
lydric Soil Indicator	s: (Applic	able to al			ea.)			Muck (A9) (LRR C)
Histosol (A1)Histic Epipedon (A)	A2\			edox (S5) Matrix (S6)				Muck (A10) (LRR B)
Black Histic (A3)	A2)				ol /E1)			uced Vertic (F18)
	(0.4)			Mucky Miner				Parent Material (TF2)
_ Hydrogen Sulfide		•		Sleyed Matrix				
_ Stratified Layers		C)		Matrix (F3)			Othe	er (Explain in Remarks)
1 cm Muck (A9) (ark Surface				
Depleted Below [æ (A11)		Dark Surfa				
Thick Dark Surfa				epressions	(F8)		3	
_ Sandy Mucky Mir			Vernal F	Pools (F9)				rs of hydrophytic vegetation and
Sandy Gleyed Ma							wetia	nd hydrology must be present.
Restrictive Layer (if Type: _\//f +								
.,	0 2011			1			1	X
Depth (inches):							Hydric S	oil Present? Yes No
Remarks:								
Primary Indicators (all Surface Water (A High Water Table Saturation (A3) Water Marks (B1 Sediment Depos Drift Deposits (B	ny one indication (A1) e (A2) () (Nonrive (B2) (No. (3) (Nonrive)	cator is su	Salt C Biotic Aquat Hydro Oxidiz Prese	rust (B11) Crust (B12) ic Invertebra gen Sulfide ted Rhizospi nce of Redu	Odor (C1 heres alo iced Iron	ng Living R (C4)	coots (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)
Primary Indicators (all Surface Water (A High Water Table Saturation (A3) Water Marks (B1 Sediment Depost Drift Deposits (B) Surface Soil Cra	ny one indication (A1) e (A2) () (Nonrive (B2) (Norive (B3) (Nonrive (CKs (B6))	cator is su rine) ponriverine erine)	Salt C Biotic Aquat Hydro Oxidiz Prese Recei	Crust (B12) ic Invertebra gen Sulfide ted Rhizospince of Redunt Iron Redu	Odor (C1 heres alo iced Iron ction in F	ng Living R (C4) Plowed Soils	coots (C3)	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)
Primary Indicators (all Surface Water (All High Water Table Saturation (A3) Water Marks (B1 Sediment Deposed Drift Deposits (B1 Surface Soil Crail Inundation Visible Primary Indicators (B2 Surface Soil Crail Inundation Visible Primary Indicators (B3 Surface Soil Crail Visible Primary Indicators (B3 Surface Soil Crail Visible Primary Indicators (B4 Surface Value Valu	ny one indication (A1) e (A2) (Nonrive its (B2) (No.3) (Nonrive cks (B6)) e on Aerial	rine) ponriverine erine)	Salt C Biotic Aquat Hydro Oxidiz Prese Recei	Crust (B12) ic Invertebra gen Sulfide ted Rhizospi nce of Redu	Odor (C1 heres alo iced Iron ction in F	ng Living R (C4) Plowed Soils	coots (C3)	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)
Primary Indicators (all Surface Water (All High Water Table Saturation (A3) Water Marks (B1 Sediment Deposed Drift Deposits (B1 Surface Soil Crail Inundation Visible Water-Stained Letters (All Sediment Deposed Drift Deposits (B1 Surface Soil Crail Inundation Visible Water-Stained Letters (All Surface Soil Crail Inundation Visible Water-Stained Letters (All Surface Soil Crail Surface Soil Crail Surface Stained Letters (All Surface Soil Crail Surface Stained Letters (All Surface Soil Crail Surface Soil Crail Surface Soil Crail Surface Sur	ny one indication (A1) e (A2) (Nonrive its (B2) (No. (B6)) e on Aerial eaves (B9)	rine) ponriverine erine)	Salt C Biotic Aquat Hydro Oxidiz Prese Recei	Crust (B12) ic Invertebra gen Sulfide ted Rhizospince of Redunt Iron Redu	Odor (C1 heres alo iced Iron ction in F	ng Living R (C4) Plowed Soils	coots (C3)	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)
Petland Hydrology Primary Indicators (all Surface Water (All High Water Table Saturation (A3) Water Marks (B1 Sediment Deposed Drift Deposits (B1 Surface Soil Crall Inundation Visible Water-Stained Lifeld Observations:	ny one indication (A1) e (A2) (Nonrive its (B2) (No. 3) (Nonrive cks (B6) le on Aerial eaves (B9)	cator is su rine) conrivering erine)	Salt C Biotic Aquat Hydro e) Oxidiz Prese Recei (B7) Other	Crust (B12) ic Invertebra gen Sulfide red Rhizospi nce of Redu ht Iron Redu (Explain in	Odor (C1 heres alo iced Iron ction in F Remarks	(C4) Plowed Soils	coots (C3)	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)
Primary Indicators (all Surface Water (All High Water Table Saturation (A3) Water Marks (B1 Sediment Deposits (B1 Surface Soil Crail Inundation Visible Water-Stained Lefteld Observations: Surface Water Preserval	ny one indication (A1) e (A2) () (Nonrive (B2) (Nonrive (CK) (B6)) le on Aerial (B2) (B2) e on Aerial (B2) (B3) e on Aerial (B3)	rine) conriverine erine) Imagery	Salt C Biotic Aquat Hydro Oxidiz Prese Recei (B7) Other	Crust (B12) ic Invertebra gen Sulfide ted Rhizospince of Redunt Iron Redu (Explain in	Odor (C1 heres alo iced Iron ction in F Remarks	ng Living R (C4) Plowed Soils	coots (C3)	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)
Primary Indicators (all Surface Water (All High Water Table Saturation (A3) Water Marks (B1 Sediment Deposits (B1 Surface Soil Crail Inundation Visible Water-Stained Lefteld Observations: Surface Water Preserval	ny one indication (A1) e (A2) () (Nonrive (B2) (Nonrive (CK) (B6)) le on Aerial (B2) (B2) e on Aerial (B2) (B3) e on Aerial (B3)	rine) conriverine erine) Imagery	Salt C Biotic Aquat Hydro e) Oxidiz Prese Recei (B7) Other	Crust (B12) ic Invertebra gen Sulfide ted Rhizospince of Redunt Iron Redu (Explain in	Odor (C1 heres alo iced Iron ction in F Remarks	ng Living R (C4) Plowed Soils	coots (C3)	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)
Primary Indicators (all Surface Water (All Saturation (A3)) Water Marks (B1) Sediment Depose Drift Deposits (B1) Surface Soil Crail Inundation Visible Water-Stained Lefield Observations: Surface Water Present Saturation Present?	ny one indication (A1) e (A2) (Nonrive (B2) (No (A2)) (Nonrive (B6)) e on Aerial (B4) eaves (B9) ent?	cator is surine) conriverine erine) Imagery Yes Yes	Salt C Biotic Aquat Hydro Oxidiz Prese Recei (B7) Other	Crust (B12) ic Invertebra gen Sulfide ted Rhizospi nce of Redu nt Iron Redu (Explain in h (inches): h (inches):	Odor (C1 heres alo iced Iron ction in F Remarks	ng Living R (C4) Plowed Soils	coots (C3) s (C6)	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)
Primary Indicators (all Surface Water (A) Saturation (A3) Water Marks (B1 Sediment Deposed Drift Deposits (B) Surface Soil Crail Inundation Visible Water-Stained Lefield Observations: Surface Water Table Present Saturation Present? (includes capillary fri	ny one indication of the indic	cator is surine) conriverine erine) Imagery Yes Yes	Salt C Biotic Aquat Hydro Oxidiz Prese Recei (B7) Other No Dept No Dept No Dept No Dept	Crust (B12) ic Invertebra gen Sulfide ted Rhizospince of Redunt Iron Redu (Explain in h (inches): _ h (inches): _ h (inches): _	Odor (C1 heres alo iced Iron ction in F Remarks	(C4) Plowed Soils W	coots (C3) s (C6)	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)
High Water Table Saturation (A3) Water Marks (B1 Sediment Depos Drift Deposits (B: Surface Soil Cra Inundation Visibl Water-Stained Le Field Observations: Surface Water Prese Water Table Present Saturation Present? (includes capillary fri Describe Recorded I	ny one indication of the indic	cator is surine) conriverine erine) Imagery Yes Yes	Salt C Biotic Aquat Hydro Oxidiz Prese Recei (B7) Other No Dept No Dept No Dept No Dept	Crust (B12) ic Invertebra gen Sulfide ted Rhizospince of Redunt Iron Redu (Explain in h (inches): _ h (inches): _ h (inches): _	Odor (C1 heres alo iced Iron ction in F Remarks	(C4) Plowed Soils W	coots (C3) s (C6)	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 Hydrology Primary Indicators (a) Surface Water (A) High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits (B) Surface Soil Cra Inundation Visible Water-Stained Le Field Observations: Surface Water Prese Water Table Present Saturation Present? (includes capillary fri Describe Recorded I	ny one indication (A1) e (A2) () (Nonrive (B2) (No. (B6)) de on Aerial (eaves (B9)) ent? () () () () () () () () () () () () () (rine) conriverine erine) Imagery Yes Yes m gauge,	Salt C Biotic Aquat Hydro Oxidiz Prese Recei (B7) Other No Dept No Dept No Dept monitoring well, a	Crust (B12) ic Invertebra gen Sulfide ted Rhizospi nce of Redu nt Iron Redu (Explain in h (inches): h (inches): ch (inches):	Odor (C1 heres alo iced Iron ction in F Remarks	ng Living R (C4) Plowed Soils)	coots (C3) s (C6) //etland Hydrons), if available	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 Hydrology Primary Indicators (a) Surface Water (A) High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits (B) Surface Soil Craix Inundation Visible Water-Stained Lefield Observations: Surface Water Present Saturation Present? (includes capillary fridescribe Recorded I) Remarks:	ny one indication of the indic	rine) conriverine erine) Imagery Yes Yes Yes m gauge,	Salt C Biotic Aquat Hydro Oxidiz Prese Recei (B7) Other No Dept No Dept No Dept monitoring well, a	Crust (B12) ic Invertebra gen Sulfide ted Rhizospi nce of Redu nt Iron Redu (Explain in h (inches): h (inches): erial photos,	Odor (C1 heres alo iced Iron ction in F Remarks	(C4) Plowed Soils W s inspection	detland Hydrons), if available	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 Hydrology Primary Indicators (a) Surface Water (A) High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits (B) Surface Soil Craix Inundation Visible Water-Stained Lefield Observations: Surface Water Present Saturation Present? (includes capillary fridescribe Recorded I) Remarks:	ny one indication of the indic	rine) conriverine erine) Imagery Yes Yes Yes m gauge,	Salt C Biotic Aquat Hydro Oxidiz Prese Recei (B7) Other No Dept No Dept No Dept monitoring well, a	Crust (B12) ic Invertebra gen Sulfide ted Rhizospi nce of Redu nt Iron Redu (Explain in h (inches): h (inches): erial photos,	Odor (C1 heres alo iced Iron ction in F Remarks	(C4) Plowed Soils W s inspection	detland Hydrons), if available	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 Hydrology Primary Indicators (a) Surface Water (A) High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits (B) Surface Soil Craix Inundation Visible Water-Stained Lefield Observations: Surface Water Present Saturation Present? (includes capillary fridescribe Recorded I) Remarks:	ny one indication of the indic	rine) conriverine erine) Imagery Yes Yes Yes m gauge,	Salt C Biotic Aquat Hydro Oxidiz Prese Recei (B7) Other No Dept No Dept No Dept monitoring well, a	Crust (B12) ic Invertebra gen Sulfide ted Rhizospi nce of Redu nt Iron Redu (Explain in h (inches): h (inches): erial photos,	Odor (C1 heres alo iced Iron ction in F Remarks	(C4) Plowed Soils W s inspection	detland Hydrons), if available	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)

WEILAND DETER	MINATIO	NUATA	FURNI –	Aria west Region
Project/Site: Collinsville	Ci	ty/County: _	Solono	County Sampling Date: 6/3/24
Applicant/Owner: LS Power				State: CA Sampling Point: 50-1
Investigator(s): Koren Back, Silven well				
Landform (hillslope, terrace, etc.): + toestone	L	ocal relief (concave, co	onvex, none): Concare Slope (%):
Subregion (LRR): LFR C				
Soil Map Unit Name: Value 2 Six 10am, dainal, 0				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology si				Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology n				eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map				ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No.	0	100000	Sampled n a Wetlan	V
Isolated vertical separated from coastill	ne by u	mand b	m	
VEGETATION				
Tree Stratum (Use scientific names.) (= 15	% Cover	Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.				
3				Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species
Sapling/Shrub Stratum (= 15)	er:O			That Are OBL, FACW, or FAC: (A/B)
1. Fox californica	2	4	FAC	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 Cove	er: 3			FACU species x 4 =
Herb Stratum (=51	20	V	08L	UPL species x 5 =
1. Cotula coronopología 2. Tupha annustíplia	- 4		OBL	Column Totals: (A) (B)
3. Liduisia leproides	25	A	OBL	Prevalence Index = B/A =
4. Scoenopiechis acutus	15	-1	002	Hydrophytic Vegetation Indicators:
5. Chilerus e ragiosis	- 5	N	FACW	Dominance Test is >50%
				Prevalence Index is ≤3.0¹
6				Morphological Adaptations ¹ (Provide supporting
8.				data in Remarks or on a separate sheet)
Total Cove	er: 69			Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (= 15) 1				¹ Indicators of hydric soil and wetland hydrology must
2.				be present.
Total Cov. % Bare Ground in Herb Stratum 45 % Cov.	er: O	Cruet 2		Hydrophytic Vegetation Present? Yes No
	el ol biotic (Jiust	-	Lieseitti ies - 10
Remarks:				

	Matrix			x Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Texture	Remarks
0-7	10/12 3/1	99	7.51R4/6		<u>C</u>	W	Clo.	
7-8	2.54 3/1	95	25144	5	C	M	Salo:	
8-9.5	25 4 3/1	90	7.54R 3/4	10	C	M	LoSa	
9.5-66	54 4/2	93	104R 4/4	7	С	\overline{M}	SiCLo	
¹Type: C=Co	oncentration, D=Dep	oletion, RM=	Reduced Matrix.	2Location	: PL=Por	e Lining, F	RC=Root Channe	el, M=Matrix.
			LRRs, unless other					for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Redo	x (S5)			1 cm M	uck (A9) (LRR C)
Histic Ep	ipedon (A2)		Stripped Mai	trix (S6)			2 cm Mi	uck (A10) (LRR B)
Black His			Loamy Muck					d Vertic (F18)
	n Sulfide (A4)		Loamy Gleye		(F2)			rent Material (TF2)
	Layers (A5) (LRR ((د	Depleted Ma		(50)		Other (E	Explain in Remarks)
	ck (A9) (LRR D) Below Dark Surfac	ο (Δ11)	Redox Dark				. 9	
	k Surface (A12)	e (ATT)	Depleted Da Redox Depre					
	ucky Mineral (S1)		Vernal Pools		-0)		3Indicators of	f hydrophytic vegetation and
	eyed Matrix (S4)		voillai i oois	(1 3)				ydrology must be present.
	ayer (if present):							,
Type:	None							,
								/
Depth (inch	nes):						Hydric Soil P	resent? Yes No
							Hydric Soil P	resent? Yes No No
Emarks: DROLOG etland Hydro imary Indicat Surface Wo High Water Saturation Water Mark Sediment D Drift Depos Surface So	yology Indicators: ors (any one indicater (A1) r Table (A2) (A3) ss (B1) (Nonriverind Deposits (B2) (Nonriverind (B3) (Nonriverind (B3) (Nonriverind (B3) (Nonriverind (B6))	ne) riverine) ne)	Salt Crust (E Silve Crust of Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron I	(B12) rtebrates ulfide Odd izosphere Reduced	or (C1) es along L Iron (C4) n in Plowe		Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) liment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9)
DROLOG etland Hydro imary Indicat Surface Wi High Water Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stair	Y plogy Indicators: ors (any one indicators) ater (A1) r Table (A2) (A3) (S (B1) (Nonrivering) Deposits (B2) (Nonrivering) its (B3) (Nonrivering) Il Cracks (B6) Visible on Aerial Immed Leaves (B9)	ne) riverine) ne)	Salt Crust (E Silve Silv	(B12) rtebrates ulfide Odd izosphere Reduced	or (C1) es along L Iron (C4) n in Plowe		Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) liment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) tyfish Burrows (C8)
TDROLOG Tetland Hydro Timary Indicat Surface Will High Water Saturation Water Mark Sediment D Drift Depose Surface So Inundation Water-Stair	y plogy Indicators: ors (any one indicators) ater (A1) r Table (A2) (A3) (S (B1) (Nonrivering) Deposits (B2) (Nonrivering) its (B3) (Nonrivering) il Cracks (B6) Visible on Aerial Immed Leaves (B9) itons:	ne) riverine) ne) agery (B7)	Salt Crust (E Silver Si	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in IRem	or (C1) es along L Iron (C4) n in Plowe		Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) liment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) n Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9 illow Aquitard (D3)
PROLOG Petland Hydrorimary Indicat Surface W. High Water Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stair	y plogy Indicators: ors (any one indicater (A1) r Table (A2) (A3) (SS (B1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B3) (Nonrivering (B4) (Nonriver	ne) riverine) ne) agery (B7)	Salt Crust (E	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in in Rem	or (C1) es along L I Iron (C4) n in Plowe narks)		Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) liment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) n Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9 illow Aquitard (D3)
PROLOG Petland Hydro Imary Indicat Surface With High Water Saturation Water Mark Sediment D Drift Depose Inundation Water-Stair Eld Observat Ifface Water Fretter Table Pre	y plogy Indicators: ors (any one indicators) ater (A1) r Table (A2) (A3) (S (B1) (Nonrivering) Deposits (B2) (Nonrivering) its (B3) (Nonrivering) its (B3) (Nonrivering) its (B4) (Nonrivering) its (B5) (Nonrivering) its (B6) Visible on Aerial Implied Leaves (B9) itons: Present? Yes	ne) riverine) ne) agery (B7)	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Other (Expla	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in in Rem ess):	or (C1) es along L Iron (C4) n in Plowe narks)	d Soils (C	Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) liment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9 illow Aquitard (D3) C-Neutral Test (D5)
PROLOG Petland Hydrorimary Indicat Surface With High Water Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stair Petd Observat Water Table Presecutes capilla	y plogy Indicators: ors (any one indicators) ater (A1) r Table (A2) (A3) (S (B1) (Nonrivering) Deposits (B2) (Nonrivering) its (B3) (Nonrivering) its (B3) (Nonrivering) its (B6) Visible on Aerial Implied Leaves (B9) ions: Present? Yes esent? Yes esent.	ne) riverine) ne) agery (B7) No No	Salt Crust (E Salt Crust (E Siotic Crust (I Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Other (Expla Depth (inche Depth (inche	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in in Rem ess):	or (C1) es along L Iron (C4) n in Plowe narks)	d Soils (C	Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) liment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9 illow Aquitard (D3)
PROLOG Petland Hydrorimary Indicat Surface With High Water Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stair Petd Observat Water Table Presecutes capilla	y plogy Indicators: ors (any one indicators) ater (A1) r Table (A2) (A3) (S (B1) (Nonrivering) Deposits (B2) (Nonrivering) its (B3) (Nonrivering) its (B3) (Nonrivering) its (B6) Visible on Aerial Implied Leaves (B9) ions: Present? Yes esent? Yes esent.	ne) riverine) ne) agery (B7) No No	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Other (Expla	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in in Rem ess):	or (C1) es along L Iron (C4) n in Plowe narks)	d Soils (C	Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) liment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C9 illow Aquitard (D3) C-Neutral Test (D5)

WETLAND DETER	RMINATI	ON DATA	FORM -	– Arid West Region
Project/Site: Conincolle		City/County	Solani	O County Sampling Date: 6-3-24
1 6 -				State: CP Sampling Point: SP -1
Investigator(s): Karen Bach, Sidney Wells				
Landform (hillslope, terrace, etc.): Foutstone				
Subregion (LRR): LRRC				
Soil Map Unit Name: Valdez Sit 10am Draine				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology s				"Normal Circumstances" present? Yes X
Are Vegetation, Soil, or Hydrology n				eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map			g point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No		100000	e Sampled in a Wetlar	V
Small isolated depression scenarated from by	derta 6	y upland	berm.	
VEGETATION				
Tree Stratum (Use scientific names.) (CS)		Dominant Species?	Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2				Total Number of Dominant Species Across All Strata:2 (B)
4				
Total Cover:	_0			Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
Sapling/Shrub Stratum (こじ)				Prevalence Index worksheet:
1 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 Y=S	10	V	CN	UPL species x 5 =
. Diutichlis spicates	40		FAC	Column Totals: (A) (B)
. Salicornia Pacifica	-70	7		Prevalence Index = B/A =
Atripex prostrata			FACW	Hydrophytic Vegetation Indicators:
:				✓ Dominance Test is >50%
				Prevalence Index is ≤3.01
				Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
Total Cover:	112		_	Problematic Hydrophytic Vegetation ¹ (Explain)
loody Vine Stratum (=\5				¹ Indicators of hydric soil and wetland hydrology must be present.
Total Cover: _ Bare Ground in Herb Stratum % Cover of		ust5		Hydrophytic Vegetation Present? Yes No
emarks:	Company of the Compan			

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Depth	Matrix		Redox Features	. 9	
inches)	Color (moist)	%C	Color (moist) % Type ¹	Loc ² Text	ure Remarks
0-2	104R3/2	100		<u>Sa</u>	
2-6	104R 3/1	100		Sa	
(0-27	GIRMIN3/	100		Sa	
0.01	01,0110/				0
27+	2.54 3/1	100		Sic	-Lo
ype: C=C	oncentration, D=Dep	letion, RM=Red	luced Matrix. ² Location: PL=Pore		Channel, M=Matrix.
		able to all LRR	s, unless otherwise noted.)		
_ Histosol	, , , , , , , , , , , , , , , , , , , ,		Sandy Redox (S5)		1 cm Muck (A9) (LRR C)
	pipedon (A2)		Stripped Matrix (S6)		2 cm Muck (A10) (LRR B)
	stic (A3)		Loamy Mucky Mineral (F1)		Reduced Vertic (F18)
	n Sulfide (A4)	-	Loamy Gleyed Matrix (F2)	_	Red Parent Material (TF2)
	Layers (A5) (LRR (-)	Depleted Matrix (F3) Redox Dark Surface (F6)	_	Other (Explain in Remarks)
	ick (A9) (LRR D)	- (011)			
	d Below Dark Surface	e (ATT)	Depleted Dark Surface (F7) Redox Depressions (F8)		
	ark Surface (A12) Nucky Mineral (S1)		Vernal Pools (F9)	3Indi	cators of hydrophytic vegetation and
	Gleyed Matrix (S4)		Vernal Fools (1 9)		retland hydrology must be present.
	Layer (if present):				outile try at oregy must be process.
estrictive					
		7"		8	
Type: Depth (independent of the content of the	hore to 20 ches):	red within		th same soil	profile, took multiple stices.
Type: Depth (inclemarks: +wo so) ow r (not 1	nore to 2: ches): I Pits excalar laged very d at rutal) conditi	red within		th same soil	
Type: Depth (included in the semants: + wo so ow = (not /DROLO	none to 20 ches):	ted within		th same soil	profile, took multiple stices.
Type: Depth (included in the content of the c	none to 2 ches): If Pits (x (a) be layed very dependently) conditions:	red within	ox to 27! let soil dry	th same soil	profile, took multiple sticel.
Type: Depth (included in the content of the c	none to 20 ches):	red within	ox to 27! let soil dry	th same soil	profile, took multiple stices.
Type: Depth (included in the second in	hore to 2 ches): In Pits (x (a) and in a ches): GY drology Indicators: cators (any one indicators) Water (A1)	red within	ox to 27! let soil dry	th same soil	rotile, took multiple slices. Isothering occurso at moist Secondary Indicators (2 or more required)
Type: Depth (included in the second in	there to 2 ches): If Pits excalant laged very dependently conditions: GY drology Indicators: cators (any one indicators)	red within	ox to 27! let soil dry	th same soil	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Type: Depth (included in the content of the co	ches): Ches):	red within	t) Salt Crust (B11)	th same soil	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: Depth (inclemarks: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ches): Ches):	and no rel	t) Salt Crust (B11) Biotic Crust (B12)	th same soil	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type: Depth (included in the content of the c	ches): Ches):	and no rel	t) X Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	th same soil, no redox or	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type: Depth (included in the content of the co	ches): Ches):	and no relator is sufficient	t) X Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	th same soil, no redox or	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 (included in the content of the c	drology Indicators: cators (any one indicators) the Table (A2) on (A3) larks (B1) (Nonriverint Deposits (B2) (B2) (B2) (B2) (B2) (B2) (B2) (B2)	and no relator is sufficient	t) X Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L	th same soil, no redox or	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 (included in the content of the c	drology Indicators: cators (any one indicators (A1) ater Table (A2) ater (B1) (Nonriver to Deposits (B2) (Nonriver Soil Cracks (B6)	ator is sufficient	t) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4 Recent Iron Reduction in Plow	th same soil, no redox or	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 (indemarks: For Solution	drology Indicators: cators (any one indicators (A1) ther Table (A2) on (A3) larks (B1) (Nonriver one indicators (B2) (Nonriver one indicators (B3) (Nonriver	ator is sufficient	t) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4)	th same soil, no redox or	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 (included included inc	ches): Ches):	ator is sufficient	t) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4 Recent Iron Reduction in Plow	th same soil, no redox or	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 (CS)
Type: Depth (included in the content of the c	GY drology Indicators: cators (any one indicators (any one indicators) atter Table (A2) on (A3) larks (B1) (Nonriver int Deposits (B2) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations:	ator is sufficient ine) nriverine) rine) magery (B7)	t) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4 Recent Iron Reduction in Plow Other (Explain in Remarks)	th same soil, no redox or	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 (included in the property of	drology Indicators: cators (any one indicators) arks (B1) (Nonriversity (B2) (Nonriversity (B3) (Nonriversity (B4)) consits (B3) (Nonriversity (B4)) consits (B3) (Nonriversity (B4)) consits (B4) (Nonriversity (B4)) consits (B5) (Nonriversity (B6)) consits (B6) con Visible on Aerial I tained Leaves (B9) vations: er Present?	ator is sufficient ine) nriverine) rine) magery (B7)	t) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Plow Other (Explain in Remarks)	th same soil, no redox or	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 (included in the content of the c	ches): Ches):	ator is sufficient ine) magery (B7) es No es No	t) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4 Recent Iron Reduction in Plow Other (Explain in Remarks)	th same soil, no relox or	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 (in- Remarks:	ches): Ches):	ator is sufficient ine) magery (B7) es No es No es No	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 Plow Other (Explain in Remarks)	th Same Soil , no relox or Living Roots (C3)) ed Soils (C6) Wetland Hyd	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)
Type: Depth (incomplete incomplete in	ches): Ches):	ator is sufficient ator is sufficient ine) nriverine) magery (B7) es No _ es No _ gauge, monitor	Salt Crust (B11) Solt Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Legen Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	th same soil no relox or Living Roots (C3) ed Soils (C6) Wetland Hydrocections), if availa	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)

Applicant/Owner: LS POWEV Investigator(s): Save Wels Kave Landform (hillslope, terrace, etc.): Toblopc Subregion (LRR): LLC Soil Map Unit Name: Value Sid Iown, Save Are climatic / hydrologic conditions on the site typical for Are Vegetation, Soil, or Hydrology Are Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS - Attach site ma Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	Lat: 38 O-2' this time of yea _ significantly d _ naturally prob	r? Yes listurbed? sampling	vnship, Rang concave, co 12 No Are "N (If nee	NWI classification: (If no, explain in Remarks.) Idead, explain any answers in Remarks.) Cations, transects, important features, etc.
Applicant/Owner: LS POWEV Investigator(s): SIGNEY WELS KAVE Landform (hillslope, terrace, etc.): TOULOPC Subregion (LRR): LFC Soil Map Unit Name: Valdez Sit Nown, Jained Are climatic / hydrologic conditions on the site typical for the Vegetation, Soil, or Hydrology Are Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS - Attach site ma Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	Lat: _38 Lat: _38 O - 2' this time of yea significantly d naturally prob p showing No No	r? Yes listurbed? sampling	No	State: Sampling Point: See: 500 T3N RIE nvex, none): Concave Slope (%): D Long: -12\.830475 Datum: NAD 83 NWI classification: (If no, explain in Remarks.) formal Circumstances" present? Yes No ded, explain any answers in Remarks.) cations, transects, important features, etc. Area
Are Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS — Attach site ma Hydrophytic Vegetation Present? Yes Hydrology Present? Yes Wetland Hydrology Present?	Lat: _3\\ \(\times - 2'\), this time of yea significantly do naturally probable showing No No	r? Yes listurbed? sampling	No	NWI classification: (If no, explain in Remarks.) Idead, explain any answers in Remarks.) Cations, transects, important features, etc.
Andform (hillslope, terrace, etc.):	Lat: _3\\ \(\times - 2'\), this time of yea significantly do naturally probable showing No No	r? Yes listurbed? sampling	No	NWI classification: (If no, explain in Remarks.) Idead, explain any answers in Remarks.) Cations, transects, important features, etc.
Subregion (LRR): LFRC Soil Map Unit Name: \(\frac{\text{Valler}}{\text{Valler}}\) \(\frac{\text{Valler}}{\text{Valler}}\) \(\text{Valler}\) \(\text{Valler}	Lat: _3\(\) \(\) - 2 \(\) \(\) this time of yea \(\) \(\) significantly degrated and the problem of the p	r? Yes listurbed? olematic? sampling	NoAre "N (If nee	NWI classification:
re climatic / hydrologic conditions on the site typical for the vegetation, Soil, or Hydrology re Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS – Attach site match the vegetation Present? Hydrophytic Vegetation Present? Hydric Soil Present? Yes Wetland Hydrology Present? Yes	this time of yea _ significantly d _ naturally prob ap showing No No	r? Yes listurbed? olematic? sampling	No Are "N (If nee g point lo	(If no, explain in Remarks.) formal Circumstances" present? Yes No ded, explain any answers in Remarks.) cations, transects, important features, etc. Area
re Vegetation, Soil, or Hydrology re Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS – Attach site ma Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	_ significantly d _ naturally prob up showing No No	listurbed? / plematic? sampling	Are "N (If nee g point lo	ded, explain any answers in Remarks.) cations, transects, important features, etc. Area
re Vegetation, Soil, or Hydrology re Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS - Attach site ma Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	_ significantly d _ naturally prob up showing No No	listurbed? / plematic? sampling	Are "N (If nee g point lo	ded, explain any answers in Remarks.) cations, transects, important features, etc. Area
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Yes Yes Yes	No	sampling Is the	g point lo	cations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wes Yes Yes Wes Yes Yes Yes	No No	Is the	e Sampled	Area
Hydric Soil Present? Wetland Hydrology Present? Yes X	No			*
Remarks:				d? Yes No
EGETATION	Absolute			Dominance Test worksheet:
Free Stratum (Use scientific names.) V=10¹ I		Species?		Number of Dominant Species That Are OBL, FACW, or FAC:(A)
				Total Number of Dominant Species Across All Strata: (B)
				Percent of Dominant Species
	over:O			That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum Y=101				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
				OBL species x 1 =
				FACW species x 2 =
				FAC species x 3 =
V= C\ Total Co	over:			FACU species x 4 =
erb Stratum Disticulis spicator	65	Y	FAC	UPL species x 5 =
Frankenia Salina	17	1	FACW	Column Totals: (A) (B)
Lepidium latifolium	20	M	FAC	Prevalence Index = B/A =
Rumex mispus	5	N	FAC	Hydrophytic Vegetation Indicators:
Choenopletus autus var. ocale	THIS 35	Ť	OBL	
Heliotopojum curascavicum	3	W	FACU	Prevalence Index is ≤3.0¹
House the branch of the second			4,120	Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
, Total C	over: 145			Problematic Hydrophytic Vegetation ¹ (Explain)
Voody Vine Stratum C= 101				¹ Indicators of hydric soil and wetland hydrology must
·,				be present.
	Cover: D	- Crust	2	Hydrophytic Vegetation Present? Yes No
Remarks:	33117/T-E-117/	-		10000000000000000000000000000000000000
746 24 0 77 0				

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Depth	Matrix			x Feature			a agenty as	7 <u>2</u> 00 0 0 0
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Texture	Remarks
0-3	10/R2/1	90	7.5 YR3/4	10	<u>C</u>	_M_	CILO	
3-16	Gley 2104 3/	010	7.54R3/4	VO	C	M	Sa	
		_			_			
	ncentration, D=Deple ndicators: (Applica					re Lining,	RC=Root Char Indicators	nnel, M=Matrix. s for Problematic Hydric Soils ³ :
Histosol			X Sandy Red		986			Muck (A9) (LRR C)
	ipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black His			Loamy Muc		d (F1)			ced Vertic (F18)
	n Sulfide (A4)		Loamy Gley				Red F	Parent Material (TF2)
	Layers (A5) (LRR C))	Depleted M	atrix (F3)			Other	(Explain in Remarks)
	ck (A9) (LRR D) Below Dark Surface	(Δ11)	Redox Dark Depleted Dark					
	rk Surface (A12)	(711)	Redox Dep					
	ucky Mineral (S1)		Vernal Pool		10)		3Indicators	s of hydrophytic vegetation and
	eyed Matrix (S4)		vernari oor	3 (1 3)				d hydrology must be present.
Restrictive L	ayer (if present):							1 / 55 2
Restrictive L Type:	none		_					V
Restrictive L Type: Depth (inc	none		_				Hydric Soi	il Present? Yes No
Restrictive L Type: Depth (inc	hes): 0						Hydric So	il Present? Yes No No
Type: Depth (incomments: YDROLOG Vetland Hyd	hes): 0						Seco	ondary Indicators (2 or more required)
Type: Depth (incomments: YDROLOG Vetland Hyd	hes): D	tor is suffic					Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Restrictive L Type: Depth (inc Remarks: POROLOG Vetland Hyd rimary Indica _ Surface V	hes): D SY rology Indicators: ators (any one indicators) Vater (A1)	tor is suffic	Salt Crust	,			Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Restrictive L Type: Depth (inc Remarks: POROLOG Vetland Hyd rimary Indica Surface V High Wat	hes): D SY rology Indicators: ators (any one indicators (A1) er Table (A2)	tor is suffic	Salt Crust	st (B12)			Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Restrictive L Type: Depth (inc Remarks: POROLOG Vetland Hyd rimary Indica Surface V High Wat	hes): D SY rology Indicators: ators (any one indicators (A1) er Table (A2)	tor is suffic	Salt Crust Biotic Crus Aquatic In	st (B12) vertebrate			Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: Depth (inc Remarks: TOROLOG Vetland Hyd rimary Indica Surface V High Wat Saturation Water Ma	hes): D SY rology Indicators: ators (any one indicators) vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverin	e)	Salt Crust Biotic Crus Aquatic In Hydrogen	st (B12) vertebrate Sulfide O	dor (C1)		Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
PRESTRICTIVE L Type: Depth (inc Remarks: POROLOG Vetland Hyd Vetland Hyd Vetland Hyd Surface V High Wat Saturation Water Ma Sediment	rology Indicators: ators (any one indicators) vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverin Deposits (B2) (Nonriverin	e) riverine)	Salt Crust Biotic Crus Aquatic In Hydrogen Oxidized F	st (B12) vertebrate Sulfide O Rhizosphe	dor (C1) eres along		Secondary Second	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
PRESTRICTIVE L Type: Depth (inc Remarks: POROLOG Vetland Hyd Vetland Hyd Vetland Hyd Surface V High Wat Saturation Water Ma Sediment	hes): D SY rology Indicators: ators (any one indicators) vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverin	e) riverine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence	st (B12) vertebrate Sulfide O Rhizosphe of Reduce	dor (C1) eres along ed Iron (C	(4)	Seco	water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
PROLOCY Primary Indicator Surface V High Wate Surface V High Wate Saturation Water Ma Sediment Drift Depo	hes): D hes): D rology Indicators: ators (any one indicators (any one indicators) ators (A1) art (A2) art (A3) arts (B1) (Nonriverin (B2) (Nonriverin (B3) (Nonriverin (B3) (Nonriverin (B3) (Cracks) (B6)	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti	dor (C1) eres along ed Iron (C ion in Plo	(4)	Seconds (C3)	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)
PROLOCUTION OF THE PROCESS OF THE PR	rology Indicators: ators (any one indicators) ators (any one indicators) ators (A1) er Table (A2) n (A3) rks (B1) (Nonriverin Deposits (B2) (Nonriverinsits (B3) (Nonriverinsits	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti	dor (C1) eres along ed Iron (C ion in Plo	(4)	Second Se	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)
PRESTRICTIVE L Type: Depth (inc Remarks: POROLOG Vetland Hyd Vetland Hyd Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta	rology Indicators: ators (any one indicators) restance (A1) er Table (A2) rks (B1) (Nonrivering Deposits (B2) (Nonrivering Distis (B3) (Nonrivering Distis (B3) (Nonrivering Distis (B3) (Nonrivering Distis (B3) (Nonrivering Distinct (B4) (Nonrivering Distinct (B4) (Nonrivering Distinct (B5) (Nonrivering Distinct (B6)	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti	dor (C1) eres along ed Iron (C ion in Plo	(4)	Seconds (C3)	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)
Restrictive L Type: Depth (inc Remarks: YDROLOG Vetland Hyd Vetland Hyd Vetland Hyd Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Stateled Observation	rology Indicators: ators (any one indicators) ators (any one indicators) ators (any one indicators) ators (A1) ar Table (A2) ar (A3) arks (B1) (Nonrivering asits (B3) (Nonrivering asits (B3) (Nonrivering asits (B3) (Nonrivering asits (B6) ar Visible on Aerial Implications:	ne) riverine) ne) agery (B7)	Salt Crust Biotic Crus Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti blain in Re	dor (C1) eres along ed Iron (C ion in Plo	(4)	Seconds (C3)	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)
Restrictive L Type: Depth (inc Remarks: YDROLOG Vetland Hyd Primary Indication Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Statield Observaturface Water	hes): D hes): D hes): D hes): D rology Indicators: ators (any one indicators) ators (B1) (Nonrivering) ators (B2) (Nonrivering) ators (B3) (Nonrivering) ators (B3) (Nonrivering) ators (B3) (Nonrivering) ators (B3) (Nonrivering) ators (B4) ators (B	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti blain in Re	dor (C1) eres along ed Iron (C ion in Plot emarks)	(4)	Seconds (C3)	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)
Properties Land Properties Land Properties Land Hydron Local Land Hydron Local Land Land Land Land Land Land Land Land	hes): D hold by the control of the contro	ne) riverine) ne) agery (B7)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	vertebrate Sulfide O Rhizosphe of Reducti n Reducti plain in Re ches):	dor (C1) eres along ed Iron (C ion in Plot emarks)	4) wed Soils	Seconds (C3)	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)
Property of the control of the contr	hes): D hes): D hes): D rology Indicators: ators (any one indicators): ators (B1) (Nonrivering): ations: ators (B2) (Nonrivering): ations: ators (B3) (Nonrivering): ators (B3) (Nonrivering): ators (B3) (Nonrivering): ators (B3) (Nonrivering): ators (B4) (Nonriv	ne) riverine) ne) sagery (B7)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	vertebrate Sulfide O Rhizosphe of Reducti n Reducti plain in Re ches): ches):	dor (C1) eres along ed Iron (C ion in Plot emarks)	.4) wed Soils	Secondary (C3)	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)
PRESTRICTIVE L Type: Depth (inc. Remarks: YDROLOG Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface So Inundation Water-Sta iteld Observation Water Table Presculates capil	hes): D hold by the control of the contro	ne) riverine) ne) sagery (B7)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	vertebrate Sulfide O Rhizosphe of Reducti n Reducti plain in Re ches): ches):	dor (C1) eres along ed Iron (C ion in Plot emarks)	.4) wed Soils	Secondary (C3)	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)

					- Arid West Region	
Project/Site: (all instrict)			City/Count	y: <u>Solan</u>	D	Sampling Date: 6-4
Application Owner.					State: CH	Sampling Point:
Investigator(s): Karon Buch	1 1					
andform (hillslope, terrace, etc.): <u>fo</u>						
Subregion (LRR): LRAC	The state of the s	_				
Soil Map Unit Name: Valle 2 514	10am, Orange	,0-2	1,	,	NWI class	ification: <u>EZEMIN</u>
Are climatic / hydrologic conditions on t	he site typical for thi	s time of ye	ar? Yes _/	No_	(If no, explain in	Remarks.)
Are Vegetation, Soil, or	Hydrology	significantly	disturbed?	Are	"Normal Circumstances	s" present? Yes X No _
re Vegetation, Soil, or	Hydrology r	naturally pro	blematic?	(If n	eeded, explain any ans	wers in Remarks.)
SUMMARY OF FINDINGS - A	ttach site map	showing	samplin	g point	locations, transec	ts, important features, e
Hydrophytic Vegetation Present?	Yes_X_ N	0	le th	ne Sample	d Area	
Hydric Soil Present?	/	0	100000	in a Wetla	,	× No
Wetland Hydrology Present? Remarks:	Yes N	o	****		-	
EGETATION .		Absolute	Deminent	Indicator	Dominance Test wo	arkshoot.
Tree Stratum (Use scientific names.)	30 ×5 F+	Absolute % Cover		Indicator Status	Number of Dominant	,
1. Salix laevinata		10	Y	FACIN	That Are OBL, FACV	
2.					Total Number of Don	ninant /
3					Species Across All S	
l					Percent of Dominant	Species I O
Sapling/Shrub Stratum	Total Cover	:_10_			That Are OBL, FACV	
. Rosa Californica	2x2 ++	10	Y	FAC	Prevalence Index w	orksheet:
In I wroman Ty	()()	15	N	*	Total % Cover of	Multiply by:
					OBL species	x 1 =
					936-971-700-71-7	x 2 =
						x 3 =
erh Stratum 5x5F+	Total Cover:	15				x 4 =
erb Stratum 323++ . TUDUA angustifolio		50	7	OBL		x 5 =
Alisma grownineum		7-	N	OBT	Column Totals:	(A) (E
Distinctis spicata		20	N	FAC	Prevalence Inde	ex = B/A =
JIMOUS balticus		30	7	FACW	Hydrophytic Vegeta	
Bumer Mispus		4	N	FAC	➤ Dominance Test	is >50%
Lathyous je pomit		4	N	0BL	Prevalence Index	
Schoemoplectus acutus	Ya Goca dental	5	N	034	data in Rema	daptations ¹ (Provide supporting rks or on a separate sheet)
	Total Cover:	120			Problematic Hyd	rophytic Vegetation ¹ (Explain)
loody Vine Stratum 15f+ x 5f+		-			1	. 11 1
					Indicators of hydric s be present.	soil and wetland hydrology must
					2000	
(0	Total Cover:		=		Hydrophytic Vegetation	V
Bare Ground in Herb Stratum	% Cover	of Biotic Cru	ıst _ ⊃		Present? Y	/es No
emarks:	2					In . News
emarks: Shape/size of plots ai	justed to a	Joid Cru	m Guille	eticn)/	vey community	Company

Sampling Point: SP2

Depth	Matrix		Redo	x Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc2_	Texture	Remarks
0-3	10 VP 2/2	97	7.51R3/3	3	<u>C</u>	M	Sici_	
3-45	Gley 1 1043/1	98	10/R 3/4	2	C	M	sici	
45-12	Gley2 N9/	90	10YZ 3/6	10	C	M	SiCI	
12-16	Gley 2 N4	90	10 YR 3/10	10	C	M	LoSa	
¹Type: C=Co	oncentration, D=Deple	tion, RM=				e Lining, R	C=Root Channe	I, M=Matrix.
Hydric Soil I	ndicators: (Applica	ble to all I	RRs, unless other	wise not	ed.)			or Problematic Hydric Soils ³ :
Histosol			Sandy Redo	x (S5)				ck (A9) (LRR C)
Histic Ep	ipedon (A2)		Stripped Mat				the state of the s	ck (A10) (LRR B) I Vertic (F18)
Black His			Loamy Muck					ent Material (TF2)
	Sulfide (A4)		Loamy Gleye		(F2)		the second secon	xplain in Remarks)
	Layers (A5) (LRR C)		➤ Depleted Ma Redox Dark		(F6)		5.1101 (E	Andrew Western Street
	k (A9) (LRR D)	A11)	Depleted Da					
	Below Dark Surface (k Surface (A12)	A11)	Redox Depre					
	cky Mineral (S1)		Vernal Pools					hydrophytic vegetation and
	yed Matrix (S4)		-				wetland h	ydrology must be present.
estrictive La	yer (ii present).							
estrictive La	yer (ii present).						4.5	· · · ·
	vone		_				Hydric Soil P	resent? Yes No
Type:	vone		_				Hydric Soil P	resent? Yes X No
Depth (inchesemarks: DROLOGY etland Hydro mary Indicato Surface Wat High Water Saturation (A Water Marks Sediment De Drift Deposits Surface Soil	logy Indicators: rs (any one indicator ter (A1) Table (A2) A3) 6 (B1) (Nonriverine) eposits (B2) (Nonrive s (B3) (Nonriverine)	erine)	Salt Crust (E Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Other (Expla	(B12) rtebrates ulfide Odd izosphere Reduced	or (C1) es along L I Iron (C4) n in Plowe)	Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Depth (inchesemarks: DROLOGY etland Hydro mary Indicato Surface Water High Water Saturation (A Water Marks Sediment De Drift Deposit Surface Soil Inundation V Water-Staine	logy Indicators: rs (any one indicator ter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonrive s (B3) (Nonriverine) Cracks (B6) isible on Aerial Image d Leaves (B9)	erine)	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron	(B12) rtebrates ulfide Odd izosphere Reduced	or (C1) es along L I Iron (C4) n in Plowe)	Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (C
Depth (inchesemarks: DROLOGY etland Hydro mary Indicato Surface Wat High Water Saturation (A Water Marks Sediment Deposits Surface Soil Inundation V Water-Stained d Observation	logy Indicators: rs (any one indicator ter (A1) Table (A2) A3) (B1) (Nonriverine) eposits (B2) (Nonrive s (B3) (Nonriverine) Cracks (B6) isible on Aerial Image d Leaves (B9)	erine) ery (B7)	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Other (Expla	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in IRen	or (C1) es along L I Iron (C4) n in Plowe narks))	Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Depth (inchesemarks: DROLOGY etland Hydro mary Indicato Surface Water High Water Saturation (A Water Marks Sediment De Drift Deposit Surface Soil Inundation V Water-Stained d Observation ace Water Pro-	logy Indicators: rs (any one indicator ter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) Cracks (B6) isible on Aerial Image d Leaves (B9) ins:	erine) ery (B7)	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Other (Expla Depth (inches	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in in Ren	or (C1) es along L I Iron (C4) n in Plowe narks))	Seconda 	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Depth (inchesemarks: DROLOGY etland Hydro mary Indicato Surface Water High Water Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation V Water-Stained d Observation are Water Preser Table Preser	logy Indicators: rs (any one indicator ter (A1) Table (A2) A3) (B1) (Nonriverine) eposits (B2) (Nonrive s (B3) (Nonriverine) Cracks (B6) isible on Aerial Image d Leaves (B9) rs: esent? Yes ent? Yes	erine) ery (B7) No.	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Other (Expla Depth (inche	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in in Ren es):	or (C1) es along L I Iron (C4) n in Plowe narks) Face) ed Soils (C	Seconds Wat Sed Drift Dra Dry ts (C3) Thir Cra C6) Sat Sha FAC	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
Type:	logy Indicators: rs (any one indicator ter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonrive s (B3) (Nonriverine) Cracks (B6) isible on Aerial Image d Leaves (B9) ins: esent? Yes ent? Yes fringe)	erine) ery (B7) No No No	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron I Other (Expla Depth (inche Depth (inche	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in in Ren es):	or (C1) es along L I Iron (C4) n in Plowe narks) Face Face) ed Soils (C	Seconda Sed Sed Drift Dra Dry (s (C3) Thir Cra Sha FAC	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) ti Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
Type:	logy Indicators: rs (any one indicator ter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonrive s (B3) (Nonriverine) Cracks (B6) isible on Aerial Image d Leaves (B9) ins: esent? Yes ent? Yes	erine) ery (B7) No No No	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron I Other (Expla Depth (inche Depth (inche	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in in Ren es):	or (C1) es along L I Iron (C4) n in Plowe narks) Face Face) ed Soils (C	Seconda Sed Sed Drift Dra Dry (s (C3) Thir Cra Sha FAC	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
Type:	logy Indicators: rs (any one indicator ter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonrive s (B3) (Nonriverine) Cracks (B6) isible on Aerial Image d Leaves (B9) ins: esent? Yes ent? Yes fringe)	erine) ery (B7) No No No	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron I Other (Expla Depth (inche Depth (inche	(B12) rtebrates ulfide Odd izosphere Reduced Reduction in in Ren es):	or (C1) es along L I Iron (C4) n in Plowe narks) Face Face) ed Soils (C	Seconda Sed Sed Drift Dra Dry (s (C3) Thir Cra Sha FAC	ary Indicators (2 or more required) ter Marks (B1) (Riverine) timent Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)

11- W-9/J

Destruction Carlos 31-			I – Arid West Region	,
Project/Site: Coulsuite		City/County: Sola	no County	Sampling Date: 6/9/
Applicant/Owner: (5)			State: CA	Sampling Point: 50-3
Investigator(s): Karen Bach, Sidny ver	10	Section, Township, F	Range: <u>500 T3N</u>	RIE
Landform (hillslope, terrace, etc.): tocsofe		Local relief (concave	e, convex, none):	Slope (%):
Subregion (LRR): LFRC	Lat: <u>3</u>	8.070548	Long: 121.829 6	Datum: NAD
Soil Map Unit Name: Vaulez Sil+10am, dra				
Are climatic / hydrologic conditions on the site typical for				The second secon
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology	naturally pro	oblematic? (If	needed, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site m	ap showing	sampling point	locations, transects	s, important features, e
	No No	Is the Sample		No_ <u>×</u> _
/EGETATION				
	Absolute	Dominant Indicator	Dominance Test work	ksheet:
Tree Stratum (Use scientific names.) (=201		Species? Status	Number of Dominant S That Are OBL, FACW,	
<u>. </u>			Total Number of Domin Species Across All Stra	
apling/Shrub Stratum (= 15	ver:		Percent of Dominant S That Are OBL, FACW,	
Rosa californica			Prevalence Index wor	
				Multiply by:
				x 1 =
				x 2 =
			FAC species	x 3 =
				100 200
Total Cov	ver: 7		FACU species	x 4 =
erb Stratum (=5) Total Cov	ver: 7	N UPL	FACU species	x 5 =
FORD Stratum (=5) Total Con	ver: 7 4 40	N UPL	FACU species	x 5 =
FORNICULUM VUIGARE ELYMUS TRIFTOTILES	40	N UPL Y FAC	FACU species UPL species Column Totals:	x 5 =
Francesia Salina	4	N UPL Y FAC	FACU species UPL species Column Totals:	x 5 = (A)
Franklico Spicale	40	N UPL Y FAC N FACW	FACU species UPL species Column Totals: Prevalence Index	x 5 = (A) x = B/A = on Indicators:
Francesia Spicate Distichius spicate Grex barbarae	40	N UPL Y FAC N FACW Y FAC	FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegetati	x 5 = (A) x = B/A = on Indicators: s > 50%
Formula Salina Distration Spicate Grex barbarae Helmonthothera echicales	4 40 3 30 5	N UPL Y FAC N FACW Y FAC N FAC	FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegetati Dominance Test is Prevalence Index Morphological Ada	x 5 =
Francesia Surina Distribuis Spicates Grex barburae Helponthathera echiales	4 40 3 30 5	N UPL Y FAC N FACW Y FAC N FAC	FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegetati Dominance Test is Prevalence Index Morphological Adada in Remark	x 5 =
FORNICULUM VULGARE FORNICULUM VULGARE ELYMUS TRITICOLLUS FRANCICIA SOLINA DIVINICATION SPICATEL CATEX BARBURAE HELMONTHATMECON ECHICALES Total Cover	4 40 3 30 5 1	N UPL Y FAC N FACW Y FAC N FAC N FAC	FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegetati Dominance Test is Prevalence Index Morphological Ada data in Remark Problematic Hydro	x 5 =(A)
Total Constratum (=5) FORNICULUM VUIGARE Elymus tritionides Eranulaia sulina Dillichiu spicale Carex barbarae Helmonthotheca echiales	4 40 3 30 5 1	N UPL Y FAC N FACW Y FAC N FAC N FAC	FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegetati Dominance Test is Prevalence Index Morphological Ada data in Remark Problematic Hydro	x 5 =
Total Constitution (=5) Folhiculum Julgare Elymus triticoides Franklicia Salina Distribuis spicatea Carex barbarae Helmonthotheca echicides Total Cove	4 40 3 30 5 1	N UPL Y FAC N FACW Y FAC N FAC N FAC	FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegetati Dominance Test is Prevalence Index Morphological Ada data in Remark Problematic Hydro Indicators of hydric so be present.	x 5 =(A)
Total Covered Stratum (=5) Frankling Suring Distribution Spicates Grex barbarae Helporthathera echiales Total Covered Total Covered	4 40 3 30 5 1	N UPL Y FAC N FAC N CAC N TAC	FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegetati Dominance Test is Prevalence Index Morphological Adadat in Remark Problematic Hydro	x 5 =

W-9/ -6 mpling Point: 5P-3

Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Feature:	Type ¹	Loc ²	Texture	Remarks
3-7.5	104 2/1	100					LoSa	
7.5 - 9	2042/2						Sa	
7.5 - 7	2.543/2	100					200	
1-14	7.5423/2	100					CLO	
14-16	2.544/2	80	1040 3/6	20	С	\sim	SiC	ledox prominent
Fyne: C=Co	ncentration, D=Depl	etion, RM=	Reduced Matrix.	² Location	n: PL=Poi	re Lining,	RC=Root Char	nnel, M=Matrix.
	ndicators: (Applica							s for Problematic Hydric Soils ³ :
Histosol ((A1)		Sandy Red	lox (S5)			1 cm	Muck (A9) (LRR C)
_ Histic Epi	ipedon (A2)		Stripped M	atrix (S6)			2 cm	Muck (A10) (LRR B)
_ Black His			Loamy Mu					iced Vertic (F18)
	Sulfide (A4)		Loamy Gle	-				Parent Material (TF2)
	Layers (A5) (LRR C	.)	Depleted N				Othe	r (Explain in Remarks)
	ck (A9) (LRR D) Below Dark Surface	· (Δ11)	Redox Dar					
	rk Surface (A12)	; (A11)	Depleted Depleted Depleted Dep					
	ucky Mineral (S1)		Vernal Poo		(10)		3Indicator	s of hydrophytic vegetation and
	leyed Matrix (S4)		veinarro	313 (1 3)				nd hydrology must be present.
estrictive L	ayer (if present):							
A	1/4							X
Type: _ /	11.							
Type: _/\to Depth (inc							Hydric So	oil Present? Yes No
					-		Hydric So	oil Present? Yes No
Depth (inc Remarks: YDROLOG Vetland Hyd	GY Irology Indicators:							condary Indicators (2 or more required)
Depth (inc Remarks: YDROLOG Vetland Hyd Primary Indic	GY Irology Indicators: ators (any one indic							condary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (inc Remarks: YDROLOG Vetland Hyd Primary Indica Surface N	GY Irology Indicators: ators (any one indic		Salt Crus					condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inc Remarks: YDROLOG Vetland Hyd Primary Indica Surface N	GY Irology Indicators: ators (any one indic Water (A1) ter Table (A2)		Salt Crus	ust (B12)				wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inc Remarks: YDROLOG Vetland Hyd Primary Indica Surface N High Wat Saturatio	GY Irology Indicators: ators (any one indic Water (A1) ter Table (A2) n (A3)	ator is suff	Salt Crus Biotic Cr Aquatic	ust (B12) Invertebra				condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (inc demarks: DROLOG Vetland Hyd drimary Indica Surface N High Wat Saturatio Water Ma	GY Irology Indicators: ators (any one indic Water (A1) ter Table (A2) n (A3) arks (B1) (Nonriver	ator is suff	Salt Crus Biotic Cr Aquatic Hydroge	ust (B12) Invertebra n Sulfide (Odor (C1)		Sec	wondary 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 (inc Remarks: YDROLOG Vetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma	GY Irology Indicators: ators (any one indic Vater (A1) ter Table (A2) n (A3) arks (B1) (Nonriver t Deposits (B2) (No	ator is suff ine) nriverine)	Salt Crus Biotic Cr Aquatic Hydroge Oxidized	ust (B12) Invertebra n Sulfide (I Rhizosph	Odor (C1) neres alon	g Living R	Sec	Sondary 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)
Primary Indication Surface Value Saturation Water Mary Sediment Drift Dep	Irology Indicators: ators (any one indic Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriver t Deposits (B2) (Nonoists (B3) (Nonriver)	ator is suff ine) nriverine)	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presence	ust (B12) Invertebra n Sulfide (I Rhizosph e of Redu	Odor (C1) neres alon ced Iron (g Living R C4)	Sec	wondary 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)
Primary Indicates Saturation Water Mary Sediment Drift Dep Surface S	GY Irology Indicators: ators (any one indic Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriver t Deposits (B2) (Noriver soil Cracks (B6)	ator is suff ine) nriverine) rine)	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I	ust (B12) Invertebra n Sulfide (I Rhizosph e of Redu ron Reduc	Odor (C1) neres alon ced Iron (ction in Pl	g Living R C4)	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)
Primary Indication Sediment Surface N High Water Ma Sediment Drift Dep Surface S Inundation	Arches): Arches Irology Indicators: Ators (any one indicators (A1) Archer (A1) Archer (A2) Arches (B1) (Nonriver (A3) Arches (B1) (Nonriver (B2) (Noncists (B3) (Nonriver (B3)) Arches (B6) Arches (B6) Arches (B6) Arches (B6) Arches (B6)	ator is suff ine) nriverine) rine)	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I	ust (B12) Invertebra n Sulfide (I Rhizosph e of Redu	Odor (C1) neres alon ced Iron (ction in Pl	g Living R C4)	Sec	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 (incontention of the content o	GY Irology Indicators: ators (any one indicators) ter Table (A2) in (A3) arks (B1) (Nonriveriat Deposits (B2) (Nonriveriat (B3)) Consits (B3) (Nonriveriat (B3)) in Visible on Aerial I ained Leaves (B9)	ator is suff ine) nriverine) rine)	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I	ust (B12) Invertebra n Sulfide (I Rhizosph e of Redu ron Reduc	Odor (C1) neres alon ced Iron (ction in Pl	g Living R C4)	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)
Depth (incontention of the content o	Irology Indicators: ators (any one indic Nater (A1) ter Table (A2) in (A3) arks (B1) (Nonriver t Deposits (B2) (Noi osits (B3) (Nonriver Soil Cracks (B6) in Visible on Aerial I ained Leaves (B9) rations:	ine) nriverine) rine)	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Other (E	ust (B12) Invertebra n Sulfide (I I Rhizosph e of Redu ron Redu explain in F	Odor (C1) neres alon ced Iron (c ction in Pla Remarks)	g Living R C4)	Sec	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 (incontents) Property (Incontents) Pr	GY Irology Indicators: ators (any one indicators (any one indicators) Arter (A1) ter Table (A2) on (A3) arks (B1) (Nonrivers) t Deposits (B2) (Nonrivers) to Deposits (B3) (Nonrivers) on Visible on Aerial I ained Leaves (B9) artions: ar Present?	ine) nriverine) rine) Imagery (B	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Other (E	ust (B12) Invertebra n Sulfide (I Rhizosphe of Reduron Reduction In Facility (Explain in Facility)	Odor (C1) neres alon ced Iron (ction in Pla Remarks)	g Living R C4) owed Soils	Sec	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 (incoments) Property (incoments) Pro	GY Irology Indicators: ators (any one indicators (any one indicators) Arter (A1) ter Table (A2) on (A3) arks (B1) (Nonrivers) t Deposits (B2) (Nonrivers) to Deposits (B3) (Nonrivers) on Visible on Aerial I ained Leaves (B9) artions: ar Present?	ine) nriverine) rine) Imagery (B	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Other (E	ust (B12) Invertebra n Sulfide (I Rhizosphe of Reduron Reduction In Facility (Explain in Facility)	Odor (C1) neres alon ced Iron (ction in Pla Remarks)	g Living R C4) owed Soils	Sec	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)
Primary Indication YDROLOG Vetland Hyde Surface V High Wate Sediment Drift Dep Surface S Inundation Water-St Field Observ Surface Water Vater Table I Saturation Princludes cap	Arches): Archogy Indicators: Actors (any one indicators (any one indicators) Actors (A1) Actor (A1) Actor (A2) Actor (A3) Actor (A3	ine) nriverine) rine) Imagery (B	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presence Recent I Other (E	ust (B12) Invertebra n Sulfide (I Rhizosphe of Reduction Reduction Reduction Inches): _ inches): _ inches): _ inches): _	Odor (C1) neres alon ced Iron (ction in Pla Remarks)	g Living R C4) owed Soils	Sec 	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)
Primary Indication Set Saturation Water Ma Sediment Drift Dep Surface S Inundation Water-St Field Observ Surface Water Vater Table I Saturation Proincludes cap	Arches): Arches Indicators: Actors (any one indicators): Actors (any one indicators): Actors (any one indicators): Actors (A1) Actor (A2) Actor (A3) Acto	ine) nriverine) rine) Imagery (B	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presence Recent I Other (E	ust (B12) Invertebra n Sulfide (I Rhizosphe of Reduction Reduction Reduction Inches): _ inches): _ inches): _ inches): _	Odor (C1) neres alon ced Iron (ction in Pla Remarks)	g Living R C4) owed Soils	Sec 	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)
Primary Indication Set Saturation Water Ma Sediment Drift Dep Surface S Inundation Water-St Field Observ Surface Water Vater Table I Saturation Proincludes cap	Arches): Archogy Indicators: Actors (any one indicators (any one indicators) Actors (A1) Actor (A1) Actor (A2) Actor (A3) Actor (A3	ine) nriverine) rine) Imagery (B	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presence Recent I Other (E	ust (B12) Invertebra n Sulfide (I Rhizosphe of Reduction Reduction Reduction Inches): _ inches): _ inches): _ inches): _	Odor (C1) neres alon ced Iron (ction in Pla Remarks)	g Living R C4) owed Soils	Sec 	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)
Primary Indication Semarks: YDROLOG Vetland Hyde Surface V High Water Saturation Water Ma Sediment Drift Dep Surface S Inundation Water-St Field Observ Surface Water Vater Table I Saturation Production Secribe Records	Arches): Archogy Indicators: Actors (any one indicators (any one indicators) Actors (A1) Actor (A1) Actor (A2) Actor (A3) Actor (A3	ine) nriverine) rine) Imagery (B	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presence Recent I Other (E	ust (B12) Invertebra n Sulfide (I Rhizosphe of Reduction Reduction Reduction Inches): _ inches): _ inches): _ inches): _	Odor (C1) neres alon ced Iron (ction in Pla Remarks)	g Living R C4) owed Soils	Sec 	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-1D]

Project/Site: Collinsville			Solona	COLOLIA	Sampling Date: 6-9-24
					Sampling Point: SP-1
nvestigator(s): Keren Back, Sidney Wall					
Landform (hillslope, terrace, etc.): →ocs \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1-1 08	ocal relief (concave, conv	rex, none): <u>Slich</u>	Slope (%): 0
soil Map Unit Name: Value 2 Sixt loam, drained,			-		
re climatic / hydrologic conditions on the site typical for this ti					
re Vegetation, Soil, or Hydrology sign					" present? Yes No
re Vegetation, Soil, or Hydrology nat	urally probl	ematic?	(If neede	ed, explain any ans	wers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sh	nowing s	ampling	point loca	ations, transec	ts, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No.		Is the	Sampled Ar	ea Yes _	NoX
Wettand Hydrology Frederic.					
Remarks: Sight depression advacent to road where in the wet season but not long enough	to deve	lop we	Hand con	above any lay dithirams	per during short periods
EGETATION	Absolute	Dominant	Indicator	Dominance Test v	vorkshoot:
	% Cover		Status	Number of Domina That Are OBL, FAC	nt Species
			1.1	Total Number of Do Species Across All	
Total Cover:	O			Percent of Domina That Are OBL, FAC	CW, or FAC: 50 1/2 (A/B
Sapling/Shrub Stratum (= 15)			-		
•				Prevalence Index	
					of: Multiply by:
					x 1 = x 2 =
					x 3 =
. Tatal Course	0				x 4 =
erb Stratum Y = 5				10 10 10 10 10 10 10 10 10 10 10 10 10 1	x 5 =
Distichiis spirata	70	X	SAC		(A) (E
Rumex crispus	30	N	FAC	Column Totals	(^) (
Heliotrogim curassavirum	5	N	FACU	Prevalence	Index = B/A =
Bromus madritensis	40	<u> </u>	UPL	Hydrophytic Ve	getation Indicators:
Helminthothera echicides	1	N	FAC	Dominance	Test is >50%
Suncus mexicanus	10	N	FACW	Prevalence	
Frankeria salina	8	N	FACW	Morphologic	al Adaptations ¹ (Provide supporting
Lactua serola	1	N	FACU		emarks or on a separate sheet)
Total Cover	165			Problematic	Hydrophytic Vegetation ¹ (Explain)
Voody Vine Stratum V = 15					dric soil and wetland hydrology mus
* * A				be present.	
Total Cover				Hydrophytic Vegetation	~
	- CD:- U- C	crust		Present?	Yes No
% Bare Ground in Herb Stratum % Cover	of Blotic C		_		

W-17

ampling Point: SP-1

Depth	Matrix		Redo	x Feature	5			200
(inches)	Color (moist)	<u>%</u> _	Color (moist)	%	Type ¹	_Loc ² _	Texture	Remarks
0-2	10 YR 3/1	98 7	,5YR A/6	_2_		MPL	SIC	
2-4	2.5/ 4/2	@ 5 7	-54R 46	35		M/PL	5,C	remeasured source (nes
4-6	2.5/3/2	100					Sa	
-7.5	2.54 3/2		OYR 3/6	3		M	Salo	
5-14	2.54 3/2	100					Sa	
	ncentration, D=Depl					e Lining, R	C=Root Chann	
ydric Soil Ir	ndicators: (Applica	ible to all LRF	Rs, unless other	wise note	ed.)			for Problematic Hydric Soils ³ :
_ Histosol (Sandy Redo					Muck (A9) (LRR C)
	ipedon (A2)		Stripped Ma		(54)			Muck (A10) (LRR B)
_ Black His			Loamy Muc					ed Vertic (F18)
	Sulfide (A4)	·	Loamy Gley		(Г2)			arent Material (TF2) (Explain in Remarks)
	Layers (A5) (LRR C k (A9) (LRR D)	,	Depleted Ma		F6)		Other (LAPIAIII III Nelliaiks)
	Below Dark Surface	(A11)	Redox Dark Depleted Dark					
	k Surface (A12)	(411)	Depleted Da Redox Depr					
	icky Mineral (S1)		Vernal Pools		-,		3Indicators	of hydrophytic vegetation and
	eyed Matrix (S4)	104		(, 0)				hydrology must be present.
	yer (if present):							, ,
Type: A		11						
	were to 20	<i>''</i>					Hydric Soil	Present? Yes X No
Depth (inchemarks:	uine to 20	<i> </i> /					Hydric Soil	Present? Yes No
DROLOG' etland Hydro mary Indicate Surface Wa High Water Saturation Water Mark Sediment D Drift Deposi Surface Soi	Y Dlogy Indicators: ors (any one indicators (A1) or Table (A2) (A3) ors (B1) (Nonrivering (B2) (Nonrivering (B3) (N	or is sufficient e) iverine)	Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expla	ertebrates fulfide Odd nizosphere f Reduced Reduction	or (C1) es along L Iron (C4) n in Plowe		Second — Ware Second — Dr. — Dr. — Dr. — Cr. — Cr. — Sa	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) atturation Visible on Aerial Imagery (C
DROLOG tland Hydromary Indicate Surface Wa High Water Saturation Water Mark Sediment D Drift Deposi Surface Soi Inundation	Y plogy Indicators: ors (any one indicated ater (A1) r Table (A2) (A3) (X5 (B1) (Nonrivering the composits (B2) (Nonrivering tits (B3) (or is sufficient e) iverine)	Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence of Recent Iron	ertebrates fulfide Odd nizosphere f Reduced Reduction	or (C1) es along L Iron (C4) n in Plowe		Second Ware See Dri Dri Dri Cri S (C3) Th Cri 6) Sa Sh	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8)
DROLOGY Control of the service of t	Y Pology Indicators: ors (any one indicators (any one indicators (A1)) or Table (A2) (A3) os (B1) (Nonrivering (B2) (Nonrivering (B3) (No	or is sufficient e) iverine) ee) agery (B7)	Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expla	(B12) ertebrates sulfide Odd nizosphere f Reduced Reduction ain in Rem	or (C1) es along L Iron (C4) n in Plowe arks)	ed Soils (Co	Second Ware See Dri Dri Dri Cri S (C3) Th Cri 6) Sa Sh	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) atturation Visible on Aerial Imagery (Callow Aquitard (D3)
DROLOG' etland Hydro mary Indicate Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation (Water-Stain d Observati face Water F	Y plogy Indicators: ors (any one indicators (any one indicator (A1) or Table (A2) (A3) os (B1) (Nonrivering (B2) (Nonrivering (B3) (Nonri	or is sufficient e) iverine) e) agery (B7)	Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence of Recent Iron Other (Expla	(B12) ertebrates sulfide Odo nizosphere f Reduced Reduction ain in Rem	or (C1) is along L Iron (C4) in Plowe earks)	ed Soils (Ce	Second Ware See Dri Dri Dri Cri S (C3) Th Cri 6) Sa Sh	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) atturation Visible on Aerial Imagery (Callow Aquitard (D3)
DROLOG Commarks: DROLOG Commary Indicate Surface Water High Water Saturation Water Mark Sediment D Drift Deposi Surface Soi Inundation	Y plogy Indicators: ors (any one indicators (any one indicator (A1) or Table (A2) (A3) os (B1) (Nonrivering (B2) (Nonrivering (B3) (Nonri	or is sufficient e) iverine) e) agery (B7)	Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence of Recent Iron Other (Expla	(B12) ertebrates sulfide Odo nizosphere f Reduced Reduction ain in Rem nes):	or (C1) es along L Iron (C4) n in Plowe arks)	ed Soils (Co	Second Was Second Se	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ainage Patterns (B10) ay-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) attraction Visible on Aerial Imagery (Callow Aquitard (D3) a) C-Neutral Test (D5)
DROLOGY Commarks: DROLOGY Commarks: DROLOGY Commary Indicate Surface Water Saturation (Water Mark Sediment D Drift Deposit Surface Soi Inundation (Water-Stain Id Observati face Water F ter Table Preservation Pr	Y plogy Indicators: ors (any one indicators (any one indicators) ater (A1) r Table (A2) (A3) ss (B1) (Nonrivering (A3) ss (B1) (Nonrivering (A3) st (B3) (Nonrivering (B3) (N	or is sufficient e) iverine) e) agery (B7) No	Salt Crust (Biotic Crust Aquatic Inventor Hydrogen S Oxidized Ri Presence of Recent Iron Other (Explain Depth (inch Depth (inch	(B12) ertebrates sulfide Odo nizosphere f Reduced Reduction ain in Rem nes): nes):	or (C1) es along L Iron (C4) n in Plowe arks)	ed Soils (Co	Second — Wi — Se — Dri — Dri — Dri — Cri 6) — Sa — Sh — FA	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) atturation Visible on Aerial Imagery (Callow Aquitard (D3)
Depth (inchemarks: DROLOGY etland Hydromary Indicate Surface Water Mark Sediment D Drift Deposi Surface Soi Inundation V Water-Stain Id Observati face Water Fiter Table Preservation Pre	Y Dology Indicators: ors (any one indicatater (A1) r Table (A2) (A3) (A3) (A3) (A5) (A6) (A6) (A6) (A6) (A6) (A6) (A6) (A6	or is sufficient e) iverine) e) agery (B7) No	Salt Crust (Biotic Crust Aquatic Inventor Hydrogen S Oxidized Ri Presence of Recent Iron Other (Explain Depth (inch Depth (inch	(B12) ertebrates sulfide Odo nizosphere f Reduced Reduction ain in Rem nes): nes):	or (C1) es along L Iron (C4) n in Plowe arks)	ed Soils (Co	Second — Wi — Se — Dri — Dri — Dri — Cri 6) — Sa — Sh — FA	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ainage Patterns (B10) ay-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) attraction Visible on Aerial Imagery (Callow Aquitard (D3) a) C-Neutral Test (D5)
Depth (inchemarks: DROLOG' etland Hydromary Indicate Surface Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation (Water-Stain d Observati face Water Free Table Presuration Preservations)	Y plogy Indicators: ors (any one indicators (any one indicators) ater (A1) r Table (A2) (A3) ss (B1) (Nonrivering (A3) ss (B1) (Nonrivering (A3) st (B3) (Nonrivering (B3) (N	or is sufficient e) iverine) e) agery (B7) No	Salt Crust (Biotic Crust Aquatic Inventor Hydrogen S Oxidized Ri Presence of Recent Iron Other (Explain Depth (inch Depth (inch	(B12) ertebrates sulfide Odo nizosphere f Reduced Reduction ain in Rem nes): nes):	or (C1) es along L Iron (C4) n in Plowe arks)	ed Soils (Co	Second — Wi — Se — Dri — Dri — Dri — Cri 6) — Sa — Sh — FA	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ainage Patterns (B10) ay-Season Water Table (C2) in Muck Surface (C7) ayfish Burrows (C8) attraction Visible on Aerial Imagery (Callow Aquitard (D3) a) C-Neutral Test (D5)

Project/Site: Collinsville	c	ity/County:	Solan	Sampling Date: 06-010-20
Applicant/Owner: US POWEV				State: (A Sampling Point:
ovestigator(s): Sidvey Wells, Kaven Bac	M s	Section, Tow	nship, Ran	ge: SOO TON RIE
andform (hillslope, terrace, etc.): _ + oesloce		Local relief	concave, co	onvex, none): Sight cores Slope (%):
ubregion (LRR): LRRC	Lat: 38	0785	97	Long: -121,833439 Datum: NAD83
oil Map Unit Name: Valdez Sitt Day , draina)				
re climatic / hydrologic conditions on the site typical for this				
re Vegetation, Soil, or Hydrology sig				Normal Circumstances" present? Yes No
re Vegetation, Soil, or Hydrology na				eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	nowing	sampiing) point ic	cations, transects, important features, etc.
Hydric Soil Present? Yes No		1 0 1 4 1 7	e Sampled n a Wetlan	. /
EGETATION	Absolute	D		
	Absolute % Cover	Dominant Species?		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)
4Total Cover:				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1				Prevalence Index worksheet:
2. 2.				Total % Cover of: Multiply by:
				OBL species x 1 = FACW species x 2 =
5.				FAC species x 3 =
Total Cover:				FACU species x 4 =
Herb Stratum		.	V.1-	UPL species x 5 =
Kumey Crispus Comparet	15	7	FAC	Column Totals:(A)(B)
2. Xanthium Stymanium Cocleurum 3. Scholnophectris ocutus var, ocu dantolis	70	7	FAC	
3. Schoenoplectus acuts yar, ocudentalis	35	7	OBL	Prevalence Index = B/A =
5. Asclesias Fascicularis (milkwed	2	H	PACU	Hydrophytic Vegetation Indicators:
Festuca pevennes	25	1	_	Dominance Test is >50% Prevalence Index is ≤3.0¹
		10	FAC	Morphological Adaptations¹ (Provide supporting)
3.				data in Remarks or on a separate sheet)
Noody Vine Stratum	100			Problematic Hydrophytic Vegetation ¹ (Explain)
·				¹ Indicators of hydric soil and wetland hydrology must
				be present.
Total Cover. 8 Bare Ground in Herb Stratum % Cover.	of Biotic C			Hydrophytic Vegetation Present? Yes No
Remarks:		200		100 /
				1

-	-	1	
•	"	п	

Sampling Point:

OIL Profile Description: (Describe to the dept	h needed to document the indicator or o	onfirm the absence o	f indicators.)
	Redox Features		Domada
Depth Matrix Inches Color (moist) %	Color (moist) % Type ¹ L	oc ² Texture	Remarks
-6.9 JOYR 2/1 99	10 yr 5/10 1 C Y	<u>1 CI</u>	
5-13,5 254 9/2 05	10 yr 4/6 35 C M	1 SiCLO	
5-W 2.54 4/2 65	104R 5/8 35 C M	1 Sia	
Type: C=Concentration, D=Depletion, RM= lydric Soil Indicators: (Applicable to all	Reduced Matrix. ² Location: PL=Pore Li LRRs, unless otherwise noted.)	Indicators f	or Problematic Hydric Solis : lick (A9) (LRR C)
_ Histosol (A1)	Stripped Matrix (S6)		ıck (A10) (LRR B)
Histic Epipedon (A2)	Loamy Mucky Mineral (F1)	Reduce	d Vertic (F18)
Black Histic (A3)	Loamy Gleyed Matrix (F2)		ent Material (TF2)
Hydrogen Sulfide (A4)	Depleted Matrix (F3)	Other (E	xplain in Remarks)
Stratified Layers (A5) (LRR C)	Redox Dark Surface (F6)	-	
1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9)		f hydrophytic vegetation and nydrology must be present.
Restrictive Layer (if present):			\/
Type: NONE to 2611	 n	Hydric Soil F	Present? Yes X No
Depth (inches):		Tiyano con .	
YDROLOGY		Second	lary Indicators (2 or more required)
Wetland Hydrology Indicators:		A CONTRACT OF THE PARTY OF THE	ater Marks (B1) (Riverine)
Primary Indicators (any one indicator is suff	icient)		diment Deposits (B2) (Riverine)
Surface Water (A1)	Salt Crust (B11)		ft Deposits (B3) (Riverine)
High Water Table (A2)	∠ Biotic Crust (B12)		
Saturation (A3)	Aquatic Invertebrates (B13)		ainage Patterns (B10)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)		y-Season Water Table (C2)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Liv		in Muck Surface (C7)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)		ayfish Burrows (C8)
	Recent Iron Reduction in Plowed	Soils (C6) Sa	turation Visible on Aerial Imagery (CS
Surface Soil Cracks (B6)			allow Aquitard (D3)
Inundation Visible on Aerial Imagery (E		FA	C-Neutral Test (D5)
Water-Stained Leaves (B9)			
Field Observations:	No X Depth (inches):		
Field Observations: Surface Water Present? Yes	No Depth (inches):		\checkmark
Field Observations: Surface Water Present? Water Table Present? Yes	No No Depth (inches):	Wetland Hydrology	Present? Yes No
Field Observations: Surface Water Present? Water Table Present? Saturation Present? Yes Yes Yes	No X Depth (inches):	Wetland Hydrology	Present? Yes No No
Field Observations: Surface Water Present? Water Table Present? Saturation Present? Yes Yes Yes	No Depth (inches):		Present? Yes No No
Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m	No Depth (inches):		Present? Yes No No
Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m	No Depth (inches):		Present? Yes No No
Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m	No Depth (inches):		Present? Yes No No

WETLAND DETE	RMINATIO	ON DATA	FORM -	· Arid West Region	(W-11)
				o County Samplin	ng Date: 06.05-20
Applicant/Owner: US POWEV		Sity/County.	MIN	State: CA Samplir	ng Point: SP-2
	Such.	Section To	wnshin Rar	ige: 500 T3N RIE	
Landform (hillslope, terrace, etc.): +001000					
Subregion (LRR): LFR C	Lat: 35	2.078	(_88	Long:\283347	Datum: V D DS
Soil Map Unit Name: Valder Sitt 1000 Jan					
Are climatic / hydrologic conditions on the site typical for the					
Are Vegetation, Soil, or Hydrology			/	Normal Circumstances" present?	V
Are Vegetation, Soil, or Hydrology				eded, explain any answers in Rer	
SUMMARY OF FINDINGS – Attach site map	showing	samplin	g point id	ocations, transects, impo	rtant features, etc.
	No No No	1 1 1 1 1 1 1 1 1	e Sampled in a Wetlan	\ /	0
/EGETATION					
2 / Later - Later La	Absolute	Dominant		Dominance Test worksheet:	0
Tree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
1 2					
3.				Total Number of Dominant Species Across All Strata:	Z (B)
4Total Cov	er:			Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (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	
Total Cov	er:			FACU species	
Herb Stratum 1. PUMPN CMSPOS	25	Y	FAC		x 5 =
2. Polyougen Monospeliensis	15	N	FACIN	Column Totals:	(A) (B)
3. Distriction spicato	35	Y	FAC	Prevalence Index = B/A	=
4. Yanthim strmanim	7	N	FAC	Hydrophytic Vegetation Indi	cators:
5. Bromus madintensis	15	N	UPL		
6. Cressa twxIllensis	_2	N	FACW	Prevalence Index is ≤3.0¹	
7				Morphological Adaptation data in Remarks or on	s ¹ (Provide supporting
8	- 00			Problematic Hydrophytic	
Total Cove	er: <u>44</u>			Problematic Hydrophytic	vogotation (Explain)
Woody Vine Stratum				¹ Indicators of hydric soil and w	etland hydrology must
1			-	be present.	
Total Cov	er:			Hydrophytic	1
4	er of Biotic C		<u> </u>	Vegetation Present? Yes	No
Remarks:					

ing Point: SP-2

	latrix	%	Color (moist)	x Features %	Type ¹	Loc ²	Texture	Remarks
Color (mo	1		Color (moist)		Type		SiC	
0 37 10/15	11		-		_		-51-0	
2.5-11 2.543	2/2	98	104R5/6	1	0	M	Salo	
							-	
11-110 2.54	4/2	015	104F 4/6	5_		- M	Sicil	<u> </u>
Type: C=Concentration,	D=Depl	etion, RM	=Reduced Matrix.			ore Lining, I	RC=Root Ch	nannel, M=Matrix. ors for Problematic Hydric Soils ³ :
lydric Soil Indicators: (Applica	ble to all			ea.)			m Muck (A9) (LRR C)
Histosol (A1)			Sandy Red Stripped M					m Muck (A10) (LRR B)
Histic Epipedon (A2) Black Histic (A3)			Loamy Mu		I (F1)			duced Vertic (F18)
Hydrogen Sulfide (A4	4)		Loamy Gle				Re	d Parent Material (TF2)
Stratified Layers (A5)		;)	Depleted N				Oth	ner (Explain in Remarks)
1 cm Muck (A9) (LRF		120.00	Redox Dar					
Depleted Below Dark		(A11)	Depleted [
Thick Dark Surface (A Sandy Mucky Mineral			Redox Dej	pressions (F0)		3Indicat	tors of hydrophytic vegetation and
Sandy Gleyed Matrix			veillai i o	013 (1 3)				and hydrology must be present.
							1	\ /
Restrictive Layer (if pres	sent):							
Restrictive Layer (if pres	sent):	+02	011					X
Type:V Depth (inches):	sent):	+0 2	011				Hydric s	Soil Present? Yes No
Type:V\ Depth (inches): Remarks:	sent):	+02	011				Hydric	Soil Present? Yes No
Type:V\ Depth (inches): Remarks:	one	+0 2	011					econdary Indicators (2 or more required)
Type:V\ Depth (inches):Remarks: YDROLOGY Wetland Hydrology India	cators:							econdary Indicators (2 or more required) _ Water Marks (B1) (Riverine)
Type:V\ Depth (inches): Remarks: YDROLOGY Vetland Hydrology India	cators:			st (B11)				econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type:V\ Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators (any or	cators:		fficient) Salt Crus Biotic Cr	ust (B12)				econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type:V\ Depth (inches): Remarks: YDROLOGY Vetland Hydrology India Primary Indicators (any or Surface Water (A1) High Water Table (A2 Saturation (A3)	cators:	ator is su	fficient) Salt Crus Biotic Cru Aquatic I	ust (B12) nvertebrate				econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type:V\ Depth (inches): Remarks: YDROLOGY Vetland Hydrology India Primary Indicators (any or Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) (No	cators: ne indica 2)	ator is suf	fficient) Salt Crus Biotic Cr Aquatic I Hydroge	ust (B12) nvertebrate n Sulfide O	dor (C1)	<u>S</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)
Type:V\ Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicent of the company Indicators (any of the co	cators: ne indica 2) onriveri 32) (Nor	ator is suf ine) nriverine	fficient) Salt Crus Biotic Crus Aquatic I Hydroge) Oxidized	ust (B12) Invertebrate In Sulfide C Rhizosphe	odor (C1 eres alo	ng Living R	<u>S</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) Thin Muck Surface (C7)
Type:V\ Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indice Primary Indicators (any or Surface Water (A1)	cators: ne indica 2) onriveri 32) (Nor	ator is suf ine) nriverine	fficient) Salt Crus Biotic Cr Aquatic I Hydroge) Oxidized Presence	ust (B12) Invertebrate In Sulfide O Rhizosphe e of Reduc	odor (C1 eres alo ed Iron	ng Living R (C4)	S S	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) Thin Muck Surface (C7) Crayfish Burrows (C8)
YDROLOGY Netland Hydrology Indicenter (A1) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (No., Sediment Deposits (B3) (No., Surface Soil Cracks (B3))	cators: ne indica 2) conriveri 32) (Noriveri (B6)	ne) nriverine	fficient) Salt Crus Biotic Crus Aquatic I Hydroge Oxidized Presence Recent I	ust (B12) Invertebrate In Sulfide Cook Rhizosphe In Grand Reduct In Reduct In Reduct	odor (C1 eres alo ed Iron tion in P	ng Living R (C4) lowed Soils	S S	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Type:V\ Depth (inches): Remarks: YDROLOGY Vetland Hydrology India Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) (No Sediment Deposits (E Drift Deposits (B3) (No Surface Soil Cracks (Inundation Visible on	cators: ne indica 2) onriveri 32) (Noriver (B6) Aerial II	ne) nriverine	fficient) Salt Crus Biotic Crus Aquatic I Hydroge Oxidized Presence Recent I	ust (B12) Invertebrate In Sulfide O Rhizosphe e of Reduc	odor (C1 eres alo ed Iron tion in P	ng Living R (C4) lowed Soils	S S	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Type:V\ Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indic Primary Indicators (any or Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) (No Sediment Deposits (B Drift Deposits (B3) (N Surface Soil Cracks (Inundation Visible on Water-Stained Leave	cators: ne indica 2) onriveri 32) (Noriver (B6) Aerial II	ne) nriverine	fficient) Salt Crus Biotic Crus Aquatic I Hydroge Oxidized Presence Recent I	ust (B12) Invertebrate In Sulfide Cook Rhizosphe In Grand Reduct In Reduct In Reduct	odor (C1 eres alo ed Iron tion in P	ng Living R (C4) lowed Soils	S S	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Type:V\ Depth (inches): Remarks: YDROLOGY Vetland Hydrology India Primary Indicators (any or Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) (No Sediment Deposits (B3) (No Surface Soil Cracks (Inundation Visible on Water-Stained Leave Field Observations:	cators: ne indica 2) onriveri 32) (Nor lonriver (B6) Aerial II:	ne) nriverine rine) magery (l	fficient) Salt Crus Biotic Cr Aquatic I Hydroge) Oxidized Presence Recent Ii B7) Other (E	ust (B12) Invertebrate In Sulfide Cook Rhizosphe In Grant Reduct In Reduct	odor (C1 eres alo ed Iron tion in P emarks	ng Living R (C4) lowed Soils	S S	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Type:V\ Depth (inches): Remarks: YDROLOGY Vetland Hydrology India Primary Indicators (any or Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) (No Sediment Deposits (B3) (N Surface Soil Cracks (Inundation Visible on Water-Stained Leave Field Observations: Surface Water Present?	cators: ne indica 2) onriveri 32) (Nor lonriver (B6) Aerial li es (B9)	ine) nriverine rine) magery (I	fficient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II B7) Other (E	ust (B12) Invertebrate In Sulfide Cook Rhizosphe In Grand Reduct In Reduct	Odor (C1 eres alo ed Iron tion in P emarks	ng Living R (C4) Plowed Soils	S S	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Type:V\ Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indice Primary Indicators (any or	cators: ne indica 2) onriveri 32) (Nor lonriver (B6) Aerial II ss (B9)	ine) nriverine rine) magery (I	fficient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II B7) Other (E	ust (B12) Invertebrate In Sulfide C Rhizosphe In Reduct	Odor (C1 eres alo ed Iron tion in P emarks	ng Living R (C4) Plowed Soils	s (C6)	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	cators: ne indica 2) conriveri 32) (Nor lonriver (B6) Aerial II Aerial III Aerial II A	ine) nriverine rine) magery (l	fficient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (E	ust (B12) Invertebrate In Sulfide Color Reduct In Reduct	odor (C1 eres alo ed Iron tion in P emarks	ng Living R (C4) Plowed Soils	Soots (C3)s (C6)	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:V\ Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indice Primary Indicators (any or	cators: ne indica 2) conriveri 32) (Nor lonriver (B6) Aerial II Aerial III Aerial II A	ine) nriverine rine) magery (l	fficient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (E	ust (B12) Invertebrate In Sulfide Color Reduct In Reduct	odor (C1 eres alo ed Iron tion in P emarks	ng Living R (C4) Plowed Soils	Soots (C3)s (C6)	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:V\ Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indice Primary Indicators (any or Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) (No Sediment Deposits (B Drift Deposits (B3) (No Surface Soil Cracks (cators: ne indica 2) conriveri 32) (Nor lonriver (B6) Aerial II Aerial III Aerial II A	ine) nriverine rine) magery (l	fficient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (E	ust (B12) Invertebrate In Sulfide Color Reduct In Reduct	odor (C1 eres alo ed Iron tion in P emarks	ng Living R (C4) Plowed Soils	Soots (C3)s (C6)	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)

W-11

Project/Site: COLLINGUILLE	City/County:	Solono	carty	Sampling Date: 49/21
applicant/Owner: LS Power	- 1000 200		State: CA	Sampling Point: Sp-3
nvestigator(s): Karen Bach, Victoria yetrenenka				
andform (hillslope, terrace, etc.): toesione				
Subregion (LRR): LPLC La	: 38.0788	91 Lor	ng: -121.833	543 Datum: NAD83
soil Map Unit Name: Valder SILL Lasm , dand	0-2'A SIO	re	NWI classifi	cation: PEMICh
re climatic / hydrologic conditions on the site typical for this time	of year? Yes	< No	(If no, explain in F	Remarks.)
re Vegetation, Soil, or Hydrology signification		Are "Norn	nal Circumstances"	present? Yes X No
re Vegetation, Soil, or Hydrology nature			d, explain any answ	
SUMMARY OF FINDINGS – Attach site map sho				
Hydrophytic Vegetation Present? Yes No Yes No Wetland Hydrology Present? Yes No Remarks:	Is the	e Sampled Are in a Wetland?	a	NoX
	solute Dominant Cover Species?	Status No	ominance Test wor umber of Dominant nat Are OBL, FACW	Species
3.		— То	otal Number of Dom pecies Across All St	
4	0	Pe	ercent of Dominant nat Are OBL, FACW	
Sapling/Shrub Stratum (= 15)		Pi	revalence Index w	orksheet:
2			Total % Cover of	f: Multiply by:
			BL species	x 1 =
			ACW species	x 2 =
		F	AC species	x3=
Total Cover:	0	F	ACU species	x 4 =
Herb Stratum (55)	60 V			x 5 =
. 5 100	60 Y 15 Y	FAC C	olumn Totals:	(A) (B
בובו או ומארין כיי וטוס	2 -1	FACW	Prevalence Inc	dex = B/A =
Francia salina	1 0		ydrophytic Veget	
Rumex crispus	8 N	FAC -	Dominance Tes	
Distichlis Soicates			Prevalence Inde	
			Morphological A	Adaptations ¹ (Provide supporting
			data in Rem	arks or on a separate sheet)
Total Cover:	19		_ Problematic Hy	drophytic Vegetation ¹ (Explain)
Voody Vine Stratum (= 15)		1	Indicators of hydric be present.	soil and wetland hydrology mus
Total Cover: % Bare Ground in Herb Stratum	O Biotic Crust(١ ١	lydrophytic /egetation Present?	Yes NoX
Remarks:				
Remarks:				

Depth (inches)	Matrix Color (moist)	%	Color (moist)	%	Type'	_Loc ²	Texture	Remarks
)-5	1048 2/1	100					Lo	
	10/12/1							
i-15	2.5/3/2	Col					5a	-
1-10	2.5/3/2	100		_				
						=		
ype: C=C	Concentration, D=Dep	letion, RM=	Reduced Matrix.	² Location	n: PL=Po	re Lining, F		nannel, M=Matrix.
-	Indicators: (Applic				ed.)		Indicate	ors for Problematic Hydric Soils ³ :
_ Histoso	I (A1)		Sandy R	edox (S5)				m Muck (A9) (LRR C)
	pipedon (A2)			Matrix (S6)				m Muck (A10) (LRR B)
	listic (A3)			Aucky Minera				duced Vertic (F18)
	en Sulfide (A4)			Sleyed Matrix				d Parent Material (TF2)
	d Layers (A5) (LRR	C)		Matrix (F3)			Ott	ner (Explain in Remarks)
	uck (A9) (LRR D)	- (0.44)		ark Surface				
	ed Below Dark Surfact Park Surface (A12)	e (A11)		d Dark Surfa				
	Mucky Mineral (S1)			Depressions	(F8)		3Indicat	tors of hydrophytic vegetation and
	Gleyed Matrix (S4)		vernal F	Pools (F9)				and hydrology must be present.
	Layer (if present):						1	and ny andready meeting process.
Type: N	ONE 40 50							. /
	ione to 20"						Hydric	Soil Present? Yes No X
	nches):						Hydric	Soil Present? Yes No
Depth (in Remarks:	OGY							
Depth (in Remarks: YDROLO Vetland Hy	OGY vdrology Indicators		cient)					Secondary Indicators (2 or more required)
Depth (in Remarks: YDROLC Vetland Hy	OGY vdrology Indicators			rust (R11)				Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (in Permarks: YDROLO Vetland Hy Primary Ind Surface	OGY vdrology Indicators icators (any one indicators was water (A1)		Salt C	rust (B11)				Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (in Permarks: YDROLO Vetland Hy Primary Ind Surface High W	OGY /drology Indicators icators (any one indicators) Water (A1) /dref Table (A2)		Salt C Biotic	Crust (B12)	tae (R13)			Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (in Depth	OGY vdrology Indicators icators (any one indicators) Water (A1) vater Table (A2) ion (A3)	cator is suffi	Salt C Biotic Aquat	Crust (B12) ic Invertebra				Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (in Remarks: YDROLO Vetland Hy Primary Ind Surface High W Saturat Water I	OGY vdrology Indicators icators (any one indice wdater (A1) fater Table (A2) ion (A3) Marks (B1) (Nonrive	cator is suffi	Salt C Biotic Aquat Hydro	Crust (B12) ic Invertebra gen Sulfide	Odor (C1))	<u>S</u>	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)
Primary Ind Surface High W Saturat Water I Sedime	OGY rdrology Indicators icators (any one indicators (A1) restricted (A2) ion (A3) Marks (B1) (Nonrivelent Deposits (B2) (No	cator is suffi rine) enriverine)	Salt C Biotic Aquat Hydro Oxidiz	Crust (B12) ic Invertebra gen Sulfide ed Rhizosph	Odor (C1) neres alor) ng Living R	<u>S</u>	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)
Primary Ind Surface High W Saturat Water I Sedime Drift De	OGY vdrology Indicators icators (any one indicators (any one indicators) atter Table (A2) ion (A3) Marks (B1) (Nonriverent Deposits (B2) (Nonriverence)	cator is suffi rine) enriverine)	Salt C Biotic Aquat Hydro Oxidiz Prese	Crust (B12) ic Invertebra gen Sulfide ed Rhizosph nce of Redu	Odor (C1) neres alor ced Iron () ng Living R (C4)		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)
Primary Ind Saturat Water I Sedime Drift De Surface	OGY Adrology Indicators icators (any one indicators (any one indicators (A1) Adrer Table (A2) ion (A3) Marks (B1) (Nonriver ent Deposits (B2) (Nonriver ent Deposits (B3) (Nonriver ent Soil Cracks (B6)	cator is suffi rine) enriverine)	Salt C Biotic Aquat Hydro Oxidiz Prese Recer	Crust (B12) ic Invertebra gen Sulfide ded Rhizosph nce of Redu at Iron Redu	Odor (C1) neres alor ced Iron (ction in P) ng Living R (C4) lowed Soils		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)
Primary Ind Water I Sedime Drift De Surface United Sedime Surface United Sedime	orches): OGY Indrology Indicators icators (any one indicators (any one indicators) Water (A1) Indrology Indicators Indrology Indicators Indicators (A2) Indrology Indicators Indicators (A3) Indrology Indicators Indrology Indicators Indicators Indrology Indicators	cator is suffi rine) enriverine)	Salt C Biotic Aquat Hydro Oxidiz Prese Recer	Crust (B12) ic Invertebra gen Sulfide ed Rhizosph nce of Redu	Odor (C1) neres alor ced Iron (ction in P) ng Living R (C4) lowed Soils		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)
Primary Ind Saturat Water I Surface Unification Water I Sedime Drift De Surface Inundar Water-I	orches):	cator is suffi rine) enriverine)	Salt C Biotic Aquat Hydro Oxidiz Prese Recer	Crust (B12) ic Invertebra gen Sulfide ded Rhizosph nce of Redu at Iron Redu	Odor (C1) neres alor ced Iron (ction in P) ng Living R (C4) lowed Soils		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 (in lemarks: DROLO Vetland Hy Inimary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water-	ordes):	rine) enriverine) erine) Imagery (B	Salt C Biotic Aquat Hydro Oxidiz Prese Recer 7) Other	Crust (B12) ic Invertebra gen Sulfide ed Rhizosphace of Redunt Iron ReductExplain in I	Odor (C1) neres alor ced Iron (ction in P Remarks)) ng Living R (C4) lowed Soils		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)
Primary Ind Surface High W Saturat Water I Surface Drift De Surface Inunda Water-Field Obse	OGY /drology Indicators icators (any one indicators (any one indicators) /drology Indicators /e Water (A1) /dref Table (A2) /dref Table (A2) /dref (A3) /	rine) onriverine) erine) Imagery (B	Salt C Biotic Aquat Hydro Oxidiz Prese Recer 7) Other	Crust (B12) ic Invertebra gen Sulfide ed Rhizosphence of Redunt Iron ReductExplain in I	Odor (C1) neres alor ced Iron (ction in Pi Remarks)) ng Living R (C4) lowed Soils		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)
Primary Ind Saturat Water I Surface Drift De Surface Inundar Water-I Gurface Water-I Surface	OGY /drology Indicators icators (any one indicators (any one indicators) /drology Indicators /e Water (A1) /dref Table (A2) /dref Table (A2) /dref (A3) /	rine) onriverine) erine) Imagery (B	Salt C Biotic Aquat Hydro Oxidiz Prese Recer 7) Other	Crust (B12) ic Invertebra gen Sulfide ed Rhizosphence of Redunt Iron ReductExplain in I	Odor (C1) neres alor ced Iron (ction in Pi Remarks)) ng Living R (C4) lowed Soils		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)
Primary Ind Saturat Water I Surface Drift De Surface Inundar Water-Sield Obse	ordes): OGY Indrology Indicators icators (any one indicators (any one indicators) Water (A1) Indress (B1) (Nonriverse (B2) (Nonriverse (B3)	rine) prine) prine) Imagery (B	Salt C Biotic Aquat Hydro Oxidiz Prese Recer Other	Crust (B12) ic Invertebra gen Sulfide ed Rhizosph nce of Redu nt Iron Redu (Explain in I	Odor (C1) neres alor ced Iron (ction in P Remarks)) ng Living R (C4) lowed Soils	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)
Primary Ind Surface High W Saturat Vater I Sedime Drift De Surface Inundar Water-Field Obse Surface Water Table Saturation I includes ca	OGY Indrology Indicators icators (any one indicators (any one indicators) Water (A1) Idea Table (A2) Idea Tab	rine) onriverine) Imagery (B	Salt C Biotic Aquat Hydro Oxidiz Prese Recer Other No Dept No Dept Dept	Crust (B12) ic Invertebra gen Sulfide ed Rhizosph nce of Redu at Iron Redu (Explain in I	Odor (C1) neres alor ced Iron (ction in P Remarks)) ng Living R (C4) lowed Soils	coots (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)
Primary Ind Surface High W Saturat Vater I Sedime Drift De Surface Inunda Water-Field Obse Surface Water Table Saturation I includes ca	orches): OGY Indrology Indicators icators (any one indicators (any one indicators) Water (A1) Indrematical (A2) Indromatical (A3) Marks (B1) (Nonriver Introduction (B3) (Nonriver Introduction Visible on Aerial Stained Leaves (B9) Invations: Inter Present? Inter Present? Inter Present?	rine) onriverine) Imagery (B	Salt C Biotic Aquat Hydro Oxidiz Prese Recer Other No Dept No Dept Dept	Crust (B12) ic Invertebra gen Sulfide ed Rhizosph nce of Redu at Iron Redu (Explain in I	Odor (C1) neres alor ced Iron (ction in P Remarks)) ng Living R (C4) lowed Soils	coots (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)
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Investigator(s): Caren Bach, Victoria Jetremo Kova Section, Township, Range Landform (hillslope, terrace, etc.):	state. The state of the state o
Are Vegetation, Soil, or Hydrology significantly problematic? (If needs are Vegetation Present? Yes No Is the Sampled Are Hydrology Present? Yes No Is the Sampled Are Wetland Hydrology Present? Yes No Is the Sampled Are Yes Yes No Yes Yes Yes Yes Yes Yes Yes	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Slope (%): Slope
Local relief (concave, concave) Subregion (LRR):	NWI classification: (If no, explain in Remarks.) Ormal Circumstances" present? Yes No No No Red, explain any answers in Remarks.) Cations, transects, important features, etc. Pea Yes No Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant
Lat: 38.078139 Local College C	Ong:
Lat: 38.078139 Local Late State College Colleg	Ong:
re climatic / hydrologic conditions on the site typical for this time of year? Yes No	(If no, explain in Remarks.) ormal Circumstances" present? Yes No led, explain any answers in Remarks.) cations, transects, important features, etc. rea ? Yes No Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant
re climatic / hydrologic conditions on the site typical for this time of year? Yes No	(If no, explain in Remarks.) primal Circumstances" present? Yes No led, explain any answers in Remarks.) primal Circumstances" present? Yes No led, explain any answers in Remarks.) primal Circumstances
re Vegetation, Soil, or Hydrology significantly disturbed? Are "No naturally problematic? (If needs to re Vegetation, Soil, or Hydrology naturally problematic? (If needs to re Vegetation, Soil, or Hydrology naturally problematic? (If needs to reverse the vegetation, Soil, or Hydrology naturally problematic? (If needs to reverse the vegetation, Soil, or Hydrology naturally problematic? (If needs to reverse the vegetation, Soil, or Hydrology, and, so is the Sampled Are vegetation, No is the Sampled Are vegetation, No is the Sampled Are vegetation, No	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Oled, explain any answers in Remarks.) No No Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant
Tree Stratum (Use scientific names.)	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant
UMMARY OF FINDINGS – Attach site map showing sampling point loc Hydrophytic Vegetation Present? Hydric Soil Present? No	Pominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant
Hydric Soil Present? Wetland Hydrology Present? Remarks: **Tege Stratum** (Use scientific names.) **Tree Stratum** (Use scientific names.) **Tege Stratum** (Use scientific names.) **Tege Stratum** (Use scientific names.) **Tege Stratum** **Tege Str	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant
/EGETATION Tree Stratum (Use scientific names.)	Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant (A)
Tree Stratum (Use scientific names.) r= 301 Absolute	Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant (A)
Tree Stratum (Use scientific names.) r=30	Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant (A)
2	That Are OBL, FACW, or FAC: (A) Total Number of Dominant
2.	
4	Percent of Dominant Species
Total Cours:	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum V=15	Prevalence Index worksheet:
	Total % Cover of: Multiply by:
	OBL species x 1 =
	FACW species x 2 =
	FAC species x 3 =
Total Cover: O	FACU species x 4 =
Herb Stratum V= 5	UPL species x 5 =
Schoenopecial actions ssp. occidentalis	Column Totals: (A) (B)
Legislow partolior	Prevalence Index = B/A =
COLEGIA STREET	Hydrophytic Vegetation Indicators:
DOTOGSCIO	Dominance Test is >50%
	Prevalence Index is ≤3.0¹
S. Haiotropom curasmicum 2 N FACU	Morphological Adaptations¹ (Provide supporting
	data in Remarks or on a separate sheet)
Total Cover: 37	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum	¹ Indicators of hydric soil and wetland hydrology must be present.
2	
** Bare Ground in Herb Stratum 60	Hydrophytic Vegetation Present? Yes No
Remarks:	
I WITHING.	

W-12

Sampling Point: Sp-I

Depth	Ma			Redo	x Feature	es			
(inches)	Color (moi	st)	%	Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks
0-4	LOYPZ	1_	99	7.5 YR 3/4	1	C	M	Sa	organic water, all Pour
4-9.5	54 14	/1	91	104/2 3/4	9	L	<u></u>	LoSa	
9.5-16	2.54 3	12	97	10412 4/4	В	L	M	Sa	
Type: C=Co	oncentration, D=	-Depletion	on, RM=	Reduced Matrix. LRRs, unless other	² Location	n: PL=Por	e Lining, I		nel, M=Matrix.
Histosol		phoabit	e to an i			eu.j			Muck (A9) (LRR C)
	ipedon (A2)			Sandy Redo Stripped Ma					Muck (A9) (LRR B)
Black His				Loamy Muc		I (F1)			ed Vertic (F18)
	n Sulfide (A4)			Loamy Gley					arent Material (TF2)
	Layers (A5) (LI	RR C)		X Depleted Ma		(. –)			(Explain in Remarks)
	ck (A9) (LRR D)			Redox Dark		(F6)			The Printer of the Control of the Co
	Below Dark Su		11)	Depleted Da					
	rk Surface (A12			Redox Depr	essions (F8)			
	ucky Mineral (S			Vernal Pools	s (F9)				of hydrophytic vegetation and
	eyed Matrix (S4							wetland	hydrology must be present.
estrictive La	ayer (if presen	t):			~	1			
	اامد ط ۱۰								,
Type: _ ^w	ne to 2011			_					V
								Hydric Soil	Present? Yes No No
Type:^\	nes):							Hydric Soil	Present? Yes No No
Type:^w Depth (inch emarks:	nes):								
Type:^w Depth (inch emarks: DROLOG etland Hydro	Y ology Indicato		io quiffici	onti				Secon	ndary Indicators (2 or more required)
Type:^\\ Depth (inchemarks: DROLOG etland Hydromary Indicate	Y ology Indicato ors (any one in		is suffici					Secor W	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine)
Depth (inchemarks: DROLOGetland Hydromary Indicate Surface Wa	Y ology Indicato ors (any one in ater (A1)		s suffici	> Salt Crust (Secon	dary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
Depth (inchemarks: DROLOG etland Hydromary Indicate Surface Wa	Y ology Indicato ors (any one in ater (A1) r Table (A2)		s suffici	Salt Crust (✓ Biotic Crust	(B12)			<u>Secon</u> W S D	Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
Depth (inchemarks: DROLOGetland Hydromary Indicate Surface Water High Water	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3)	dicator i	is suffici	Salt Crust (✓ Biotic Crust Aquatic Inve	(B12) ertebrates			Secor — W — S — D	Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Depth (inchemarks: DROLOG etland Hydromary Indicate Surface Water Mark Water Mark	Y clogy Indicato ors (any one in ater (A1) r Table (A2) (A3) ss (B1) (Nonriv	dicator i		Salt Crust (✓ Biotic Crust — Aquatic Invo — Hydrogen S	(B12) ertebrates ulfide Od	or (C1)		Secor W S D D D D	Indicators (2 or more required) Vater Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) In the property of the proper
DROLOG etland Hydro mary Indicate Surface Wa High Water Saturation Water Mark	Y cology Indicato ors (any one in ater (A1) r Table (A2) (A3) (S (B1) (Nonriv	dicator i erine) lonrivei		Salt Crust (✓ Biotic Crust — Aquatic live — Hydrogen S — Oxidized Rh	(B12) ertebrates sulfide Od nizospher	or (C1) es along L		Secor — W — S — D — D ots (C3) — T	dary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7)
DROLOG etland Hydro mary Indicate Surface Water High Water Saturation Water Mark Sediment D Drift Depos	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3) (S (B1) (Nonriv Deposits (B2) (Noits (B3) (Nonriv	dicator i erine) lonrivei		Salt Crust (Biotic Crust Aquatic live Hydrogen S Oxidized Ri Presence of	(B12) ertebrates sulfide Od nizospher Reduced	or (C1) es along L d Iron (C4)	Secor W S S S S S S S S S S S S S S S S S S	Indicators (2 or more required) Vater Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) In the posits (B3) (Riverine) In the posits (B10) In the
DROLOG etland Hydro mary Indicate Surface Wa High Water Saturation Water Mark Sediment D Drift Depos Surface Soi	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3) os (B1) (Nonriv Deposits (B2) (Noriv its (B3) (Nonriv il Cracks (B6)	dicator i rerine) lonriver verine)	rine)	➤ Salt Crust ((B12) ertebrates fulfide Od nizospher Reduced Reduction	or (C1) es along L d Iron (C4 on in Plow)	Secor W S D D D D C C S C C S	Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
Depth (inchemarks: DROLOG etland Hydro mary Indicate Surface Wo High Water Saturation Water Mark Sediment D Drift Depos Surface Soi Inundation	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3) (S (B1) (Nonriv Deposits (B2) (N its (B3) (Nonriv il Cracks (B6) Visible on Aeria	dicator i verine) Nonriver verine)	rine)	Salt Crust (Biotic Crust Aquatic live Hydrogen S Oxidized Ri Presence of	(B12) ertebrates fulfide Od nizospher Reduced Reduction	or (C1) es along L d Iron (C4 on in Plow)	Secor W S D D D D C C	Indicators (2 or more required) Vater Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) In the posits (B3) (Riverine) In the posits (B10) In the
Depth (inchemarks: DROLOG etland Hydromary Indicate Surface Water Mark Sediment D Drift Depos Surface Soilnundation Water-Stain	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3) (S (B1) (Nonriv Deposits (B2) (N its (B3) (Nonriv ill Cracks (B6) Visible on Aeria and Leaves (B9)	dicator i verine) Nonriver verine)	rine)	➤ Salt Crust ((B12) ertebrates fulfide Od nizospher Reduced Reduction	or (C1) es along L d Iron (C4 on in Plow)	Secor W S D D D D C C C S S S	Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
Depth (inchemarks: DROLOG etland Hydro mary Indicate Surface Water Mark Saturation Water Mark Sediment D Drift Depos Surface Soi Inundation Water-Stain d Observati	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3) os (B1) (Nonriv Deposits (B2) (N its (B3) (Nonriv il Cracks (B6) Visible on Aeria and Leaves (B9 ions:	dicator i erine) Nonrivei verine) il Image	rine) ry (B7)	Salt Crust (Biotic Crust Aquatic live Hydrogen S Oxidized Ri Presence of Recent Iron Other (Explain	(B12) ertebrates iulfide Od nizospher Reduced Reduction	or (C1) es along L d Iron (C4) on in Plowe marks)	ed Soils (Secor W S D D D D C C C S S S	indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Depth (inchemarks: DROLOG etland Hydromary Indicate Surface Water Mark Sediment D Drift Depos Surface Soilnundation Water-Stain	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3) os (B1) (Nonriv Deposits (B2) (N its (B3) (Nonriv il Cracks (B6) Visible on Aeria ded Leaves (B9 ions: Present?	erine) Nonriver verine) Il Image	rine) ry (B7) No	Salt Crust (Salt Crust (A Biotic Crust Aquatic live Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expla	(B12) ertebrates fulfide Od nizospher Reduced Reduction ain in Rer	or (C1) es along L d Iron (C4) on in Plowe marks)	ed Soils (Secor W S D D D D C C C S S S	adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Depth (inchemarks: DROLOG etland Hydro mary Indicate Surface Water Mark Saturation Water Mark Sediment D Drift Depos Surface Soi Inundation Water-Stain d Observati	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3) os (B1) (Nonriv Deposits (B2) (N its (B3) (Nonriv il Cracks (B6) Visible on Aeria aed Leaves (B9 ions: Present?	erine) Nonriverine) Il Image) Yes	rine) ry (B7) No	Salt Crust (Salt Crust (A Biotic Crust Aquatic live Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expla	(B12) ertebrates fulfide Od nizospher Reduced Reduction ain in Rer nes):	or (C1) es along L d Iron (C4) on in Plowe marks)) ed Soils (i	Secor W S D D D D C C C S S S	adary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Depth (inchemarks: DROLOG etland Hydro mary Indicate Surface Water Mark Sediment D Drift Depos Surface Soi Inundation Water-Stain d Observati face Water P er Table Preseudes capillar	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3) os (B1) (Nonriv Deposits (B2) (N its (B3) (Nonriv il Cracks (B6) Visible on Aeria ded Leaves (B9 ions: Present? esent? ent? ent? ent? ent?	erine) Nonriverine) Il Image Yes Yes	rine) ry (B7) No No No	Salt Crust (Salt Crust (A Biotic Crust Aquatic live Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expla	(B12) ertebrates fulfide Od nizospher Reduced Reduction ain in Rer nes): bes): bes): bes):	or (C1) es along L d Iron (C4) on in Plowe marks)	ed Soils (Secor — W — S — D — D — C — C — S — S — F — F — F — F — F — F — F — F	indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3)
Depth (inchemarks: DROLOG etland Hydro mary Indicate Surface Water Mark Sediment D Drift Depos Surface Soi Inundation Water-Stain d Observati face Water P er Table Preseudes capillar	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3) os (B1) (Nonriv Deposits (B2) (N its (B3) (Nonriv il Cracks (B6) Visible on Aeria ded Leaves (B9 ions: Present? esent? ent? ent? ent? ent?	erine) Nonriverine) Il Image Yes Yes	rine) ry (B7) No No No	Salt Crust (Salt Crust (A Biotic Crust Aquatic live Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expla	(B12) ertebrates fulfide Od nizospher Reduced Reduction ain in Rer nes): bes): bes): bes):	or (C1) es along L d Iron (C4) on in Plowe marks)	ed Soils (Secor — W — S — D — D — C — C — S — S — F — F — F — F — F — F — F — F	idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inchemarks: DROLOG etland Hydro mary Indicate Surface Water Mark Sediment D Drift Depos Surface Soi Inundation Water-Stain d Observati face Water P er Table Preseudes capillar	Y ology Indicato ors (any one in ater (A1) r Table (A2) (A3) os (B1) (Nonriv Deposits (B2) (N its (B3) (Nonriv il Cracks (B6) Visible on Aeria ded Leaves (B9 ions: Present? esent? ent? ent? ent? ent?	erine) Nonriverine) Il Image Yes Yes	rine) ry (B7) No No No	Salt Crust (Salt Crust (A Biotic Crust Aquatic live Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expla	(B12) ertebrates fulfide Od nizospher Reduced Reduction ain in Rer nes): bes): bes): bes):	or (C1) es along L d Iron (C4) on in Plowe marks)	ed Soils (Secor — W — S — D — D — C — C — S — S — F — F — F — F — F — F — F — F	idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3) AC-Neutral Test (D5)

	RMINATION DATA FORM –	
Project/Site: CONNOTICE	City/County: _Soland	County Sampling Date: 6/6/24
Applicant/Owner: LS POW-6-		State: CA Sampling Point: 59-2
Investigator(s): Karen Bach, Victoria Yetren	Section, Township, Ran	ge: SØQ T3N RIE
Landform (hillslope, terrace, etc.): Footstope	Local relief (concave, c	convex, none): Slope (%):
Subregion (LRR): LRC	Lat: 38,078236	Long: -12 ,838606 Datum: NAD83
Soil Map Unit Name: Valder Sitty Clag-log	Micion Substation	NWI classification:
Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologys	ignificantly disturbed? Are "	Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology n		eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sampling point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes X N Yes X N	is the sampled	\/
Remarks: Slightly elevated area advacent to sp-	1.	
VEGETATION		
Tree Startum (III and III and	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.) (= 30	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1		
3		Total Number of Dominant Species Across All Strata: (B)
4		
4 Total Cava	r: _ &	Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
Sapling/Shrub Stratum (~15)		
		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 = FACW species x 2 =
4		FAC species x 2 =
5 Total Cove	r. Ø	FACU species x 4 =
Herb Stratum		UPL species x 5 =
1. Lzf. drum lutafolium	100 Y FAC	Column Totals: (A) (B)
2. Schollectic actions vot.	3 N 08L	
3. becidentalus		Prevalence Index = B/A =
x. Fusture percomous	55 Y FAC	Hydrophytic Vegetation Indicators:
5		Dominance Test is >50%
6		Prevalence Index is ≤3.0¹
7		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8Total Cove	r:_15%_	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum Y-15	··	¹ Indicators of hydric soil and wetland hydrology must
2.		be present.
Total Cove		Hydrophytic Yegetation
% Bare Ground in Herb Stratum ──	er of Biotic Crust	Present? Yes No
Remarks:		

Depth (inches)				sout the India	ator or confirm	the sheence	of indicators)
		o the dept	h needed to docum		ator or commi	the absence c	i mulcators.)
(IIIOIIOC)	Matrix Color (moist)	%	Color (moist)	x Features % Tv	pe¹ Loc²	Texture	Remarks
0-2	107/2 2/2	99	10YP 3/4	1	MIPL	(110	
2-11	7 54 91.	95	7.5 YR 4/4		MIPL	50116	Zedox framework
2-8	2.54 3/1	10					20 70 11
6-9,5	2.54 4/2	45	7.5 4 p 3/4	35 2	MADE	Sa_	
9.5-16	54 4/1	97	10 YR 3/6	3 7		Sa	
		:			<u> </u>		
	oncentration, D=Deple				=Pore Lining, R	C=Root Channe	el, M=Matrix. or Problematic Hydric Soils³:
	Indicators: (Application	ble to all L	RRs, unless other	wise noted.)			
Histosol			Sandy Redo				ick (A9) (LRR C)
	pipedon (A2)		Stripped Mat				uck (A10) (LRR B)
Black Hi				y Mineral (F1)			d Vertic (F18)
	n Sulfide (A4)			ed Matrix (F2)			ent Material (TF2) explain in Remarks)
	Layers (A5) (LRR C)		Depleted Ma			Other (E	xpiairi iri Remarks)
D 1-1-	ick (A9) (LRR D)	(844)	∠ Redox Dark				
	Below Dark Surface	(A11)		rk Surface (F7)		
	ark Surface (A12)		Redox Depre Vernal Pools			3Indicators of	f hydrophytic vegetation and
	lucky Mineral (S1) leyed Matrix (S4)		vernai Pools	(1-9)			ydrology must be present.
	ayer (if present):					Wedana	yarology maet zo process.
	one to 2011						
			_			11. 44. 0-11 D	
Depth (inc	ines):		_			nyaric Soil P	resent? Yes X No
(DROLO	31						
	rology Indicators:					Second	ary Indicators (2 or more required)
Vetland Hyd	Irology Indicators:	or is suffici	ent)				
etland Hyd	Irology Indicators: ators (any one indicate	or is suffici		B11)		Wa	ter Marks (B1) (Riverine)
/etland Hydrimary Indicate N	Irology Indicators: ators (any one indicate Water (A1)	or is suffici	Salt Crust (I			Wa	ter Marks (B1) (Riverine) liment Deposits (B2) (Riverine)
/etland Hyd rimary Indic _ Surface \ _ High Wat	Irology Indicators: ators (any one indicate Water (A1) er Table (A2)	or is suffici	Salt Crust (I	(B12)	3)	Wa Sec Drif	ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine)
Vetland Hyd rimary Indic Surface V High Wat Saturatio	Irology Indicators: ators (any one indicate Vater (A1) er Table (A2) n (A3)		Salt Crust (I Biotic Crust Aquatic Inve	(B12) ertebrates (B13	· ·	Wa Sec Drif Dra	ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10)
Vetland Hyd rimary Indic Surface V High Wat Saturatio Water Ma	Irology Indicators: ators (any one indicate Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverine	e)	Salt Crust (I Biotic Crust Aquatic Inve	(B12) ertebrates (B13 ulfide Odor (C	1)	Wa Sec Drif Dra Dry	ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) dinage Patterns (B10) -Season Water Table (C2)
vetland Hyd rimary Indica Surface V High Wat Saturatio Water Ma	Irology Indicators: ators (any one indicate Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonri	e) (verine)	Salt Crust (I Biotic Crust Aquatic Inve	(B12) ertebrates (B13 ulfide Odor (C nizospheres ale	1) ong Living Roots	Wa Sec Drif Dra Dry s (C3) Thin	ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7)
vetland Hydrimary Indica Surface V High Wat Saturatio Water Ma Sediment	Irology Indicators: ators (any one indicate Nater (A1) er Table (A2) n (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonri osits (B3) (Nonriverine	e) (verine)	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh	(B12) ertebrates (B13 ulfide Odor (C nizospheres ald F Reduced Iron	ong Living Roots (C4)	Wa Sec Drif Dra Dry s (C3) Thin Cra	ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) at Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) an Muck Surface (C7) yfish Burrows (C8)
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Vetland Hydrimary Indice Surface V High Wate Saturatio Water Ma Sediment Drift Depo Surface S Inundatio Water-State	Irology Indicators: ators (any one indicate Nater (A1) er Table (A2) n (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine soil Cracks (B6) n Visible on Aerial Ima ained Leaves (B9) ations: r Present? Yes	e) verine) e) agery (B7)	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Coxidized Rh Presence of Recent Iron Other (Expla	(B12) ertebrates (B13 ulfide Odor (C nizospheres ald Reduced Iron Reduction in I ain in Remarks	ong Living Roots (C4) Plowed Soils (C6s)	Wa Sec Drif Dra Dry s (C3) Thin Cra 6) Sat Sha	ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) dinage Patterns (B10) -Season Water Table (C2) din Muck Surface (C7) dish Burrows (C8) dillow Aquitard (D3)
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Primary Indication Surface Value High Water May Sediment Sediment Drift Deporation Surface Sediment Unification Water-State Hurface Water Surface Water Table Francludes capi	Archology Indicators: Actors (any one indicators) Actors (Any one indicators) Actors (A1) Actor (A2) Actor (A3) Actor (B1) (Nonriverine actor (B2) (Nonriverine actor (B3) (Nonriverine actor (B4)) Actor (B4) (Nonriverine actor (B4)) Actor (B4) (Nonriverine actor (B4)) Actor (B4) Actor (e) (verine) e) agery (B7) No No	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S X Oxidized Rh Presence of Recent Iron Other (Expla	(B12) ertebrates (B13 ulfide Odor (C nizospheres ale Reduced Iron Reduction in I ain in Remarks nes):	ong Living Roots (C4) Plowed Soils (C6)	Wa Sec Drif Dra Dry s (C3) Thin Cra Sat Sha FAC	ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) di Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) syfish Burrows (C8) uration Visible on Aerial Imagery (C9) allow Aquitard (D3) C-Neutral Test (D5)
Primary Indication Surface Value Saturatio Water Mater Mater Mater Mater Mater Surface Surface Surface Water Table Fraturation Presidence Surface Records	Irology Indicators: ators (any one indicate Nater (A1) er Table (A2) n (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonriverine soits (B3) (Nonriverine Soil Cracks (B6) n Visible on Aerial Ima ained Leaves (B9) ations: r Present? Yes Present? Yes esent? Yes llary fringe)	e) (verine) e) agery (B7) No No	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S X Oxidized Rh Presence of Recent Iron Other (Expla	(B12) ertebrates (B13 ulfide Odor (C nizospheres ale Reduced Iron Reduction in I ain in Remarks nes):	ong Living Roots (C4) Plowed Soils (C6)	Wa Sec Drif Dra Dry s (C3) Thin Cra Sat Sha FAC	ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) di Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) syfish Burrows (C8) uration Visible on Aerial Imagery (C9) allow Aquitard (D3) C-Neutral Test (D5)
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Vetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sediment Drift Depo Surface S Inundatio Water-State ield Observ urface Water Vater Table F aturation Presidence Capice Capice Recommender escribe Recommender Attraction Presidence Capice Ca	Irology Indicators: ators (any one indicate Nater (A1) er Table (A2) n (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonriverine soits (B3) (Nonriverine Soil Cracks (B6) n Visible on Aerial Ima ained Leaves (B9) ations: r Present? Yes Present? Yes esent? Yes llary fringe)	e) (verine) e) agery (B7) No No	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S X Oxidized Rh Presence of Recent Iron Other (Expla	(B12) ertebrates (B13 ulfide Odor (C nizospheres ale Reduced Iron Reduction in I ain in Remarks nes):	ong Living Roots (C4) Plowed Soils (C6)	Wa Sec Drif Dra Dry s (C3) Thin Cra Sat Sha FAC	ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) di Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) in Muck Surface (C7) syfish Burrows (C8) uration Visible on Aerial Imagery (C9) allow Aquitard (D3) C-Neutral Test (D5)
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Vetland Hydrimary Indice Surface Note High Wate Saturatio Water Ma Sediment Drift Depo Surface Solution Water-State Inundatio Water-State Ido Observentace Water Vater Table Footbudes capicescribe Recommendation	Irology Indicators: ators (any one indicate Nater (A1) er Table (A2) n (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonriverine soits (B3) (Nonriverine Soil Cracks (B6) n Visible on Aerial Ima ained Leaves (B9) ations: r Present? Yes Present? Yes esent? Yes llary fringe)	e) (verine) e) agery (B7) No No	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S X Oxidized Rh Presence of Recent Iron Other (Expla	(B12) ertebrates (B13 ulfide Odor (C nizospheres ale Reduced Iron Reduction in I ain in Remarks nes):	ong Living Roots (C4) Plowed Soils (C6)	Wa Sec Drif Dra Dry s (C3) Thin Cra Sat Sha FAC	ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) di Deposits (B3) (Riverine) di Deposits (B10) di Deposits (B10

W-12

WETLAND DETER	CWIINATIC	ON DATA	AFORIN	- And West Region		6/6/24
Project/Site: CONAJVILLE	(City/County	5014	no County	Sampling Date: _	50-3
ApplicativOwner: -3 Proce				Otato	-	24-7
Investigator(s): Kuren Buch, Victoria yet re-	TOTALOUS	Section, To	wnship, Ra	nge: 3/V	KIE	
Landform (hillstone terrace etc.): Backs) ORE		Local relief	(concave,	convex, none): Slow	Slop	e (%):
Subregion (LRR): LRR C	_ Lat: _38	.0783	93	Long: -12 .838	Datur Datur	m: NAD 8.5
Soil Map Unit Name: Vaidez Silty Clay LOGIN,	CLAY S	ubstrate	M	NWI classifica	ation: N/f	
Are climatic / hydrologic conditions on the site typical for this	time of year	ar? Yes	No_	(If no, explain in Re	emarks.)	,
Are Vegetation, Soil, or Hydrology si			Are	"Normal Circumstances" pr	resent? Yes	No
Are Vegetation, Soil, or Hydrology na			(If ne	eeded, explain any answer	s in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s			g point l	ocations, transects,	important fe	atures, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No No No	<u></u>		e Sampled in a Wetla	I Area nd? Yes	_ No_X	(
Remarks:						
VEGETATION						
	Absolute	Dominant	Indicator	Dominance Test works	heet:	
	% Cover			Number of Dominant Sp That Are OBL, FACW, o		G (A)
1						
3.				Total Number of Domina Species Across All Strati		S (B)
4.						
Total Cover:	0			Percent of Dominant Spe That Are OBL, FACW, o		00 (A/B)
Sapling/Shrub Stratum 7=15	an	V	CAC	Prevalence Index work	shoot:	
1. Rosa carifornica		——	7110	Total % Cover of:		v bv:
2				OBL species		
4.				FACW species	x 2 =	
E				FAC species	x 3 =	
Total Cover:	90			FACU species	x 4 =	
Herb Stratum	3	V	FACW	UPL species		
1. Baccharis gluknasa	5		FACW	Column Totals:	(A)	(B)
2. Polypayon Monsperiens 25		-	FACW	Prevalence Index	= B/A =	
3. Junior balticus 4. Distichiu spicator	5	-7	FAC	Hydrophytic Vegetation		
			-	X Dominance Test is		
5				Prevalence Index is	≤3.0 ¹	
7				Morphological Adap	tations1 (Provide	supporting
8				The second secon	or on a separate	
. Total Cover:	14			Problematic Hydrop	nytic vegetation	(Explain)
Woody Vine Stratum (= \S¹				¹ Indicators of hydric soil	and wetland hydr	ology must
1				be present.	and wouldn't nyun	g, madi
2Total Cover:				Hydrophytic		
				11	X No	
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	ust		Present? Yes		
Remarks:						

-		
Sampling	Doint.	
Sambling	POIII.	

Depth	Matrix			Redox	K Features	S ,			
11011001	r (moist)	%	Color (m	oist)	%	_Type ¹	_Loc ²		Remarks
D-6 10Y	2 2/2	100						Sa	
- 15 2.5	y 3/z	98	10412	4/6	2	C	M	Sa	
		=							
ype: C=Concentrat							re Lining, I		nnel, M=Matrix.
dric Soil Indicato	s: (Applica	ble to all	LRRs, unle	ss other	wise note	ed.)			s for Problematic Hydric Soils ³ :
_ Histosol (A1)				ndy Redo					Muck (A9) (LRR C)
_ Histic Epipedon (A2)			pped Ma					Muck (A10) (LRR B)
Black Histic (A3)					ky Minera				ced Vertic (F18)
_ Hydrogen Sulfide					ed Matrix	(F2)			Parent Material (TF2)
Stratified Layers1 cm Muck (A9) (,			atrix (F3)	E6)		Other	r (Explain in Remarks)
_ Depleted Below I		(A11)			Surface (ark Surfac				
_ Thick Dark Surfa		(,,,,			essions (I				
Sandy Mucky Mir				rnal Pool		0)		3Indicators	s of hydrophytic vegetation and
Sandy Gleyed Ma					- ()				d hydrology must be present.
								- /	
estrictive Layer (if									
									\
estrictive Layer (if Type:								Hydric So	il Present? Yes No
estrictive Layer (if Type:								Hydric So	il Present? Yes Ko
restrictive Layer (if Type:	2011								
estrictive Layer (if Type:	ndicators:	tor in outfi	oiont)					Seco	ondary Indicators (2 or more required)
Type:	ndicators:	ator is suffi			(044)			Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine)
estrictive Layer (if Type:	ndicators: y one indicators	ator is suffi	Sa	alt Crust				Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Estrictive Layer (if Type:	ndicators: y one indicators	ator is suffi	Sa Bi	otic Crus	t (B12)	s (R12)		Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Pestrictive Layer (if Type:	ndicators: y one indicators		Sa Bi Ad	otic Crus quatic Inv	t (B12) vertebrate			Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
DROLOGY etland Hydrology limary Indicators (ar Surface Water (A) High Water Table Saturation (A3) Water Marks (B1)	ndicators: y one indicators (A2)	ne)	Sa Bi Ad Hy	otic Crus quatic Inv ydrogen S	t (B12) vertebrate Sulfide Od	dor (C1)	Living Ro	Seco	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)
PROLOGY Type:	ndicators: y one indicators (A2) (Nonriveries (B2) (Nor	ne) iriverine)	Sa Bi Ad Hy Ox	otic Crus quatic Inv ydrogen (xidized R	t (B12) vertebrate Sulfide Od thizospher	dor (C1) res along	Living Ro	Seco	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)
estrictive Layer (if Type:	ndicators: y one indicators: (A2) (Nonrivering (B2) (Norivering (B2) (Norivering (B2) (Norivering (Nor	ne) iriverine)	Sa Bi Ao Hy Oo Pr	otic Crus quatic Inv ydrogen S xidized R resence c	et (B12) vertebrate Sulfide Od thizospher of Reduce	dor (C1) res along d Iron (C	4)	Secondary Second	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)
DROLOGY etland Hydrology imary Indicators (ar Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Surface Soil Crace	ndicators: y one indicators: (Nonriveries (B2) (Noriveries (B2) (Noriveries (B6))	ne) iriverine) ine)	Sa Bi Ad Hy Ox Pr Re	otic Crus quatic Inv ydrogen S xidized R resence c ecent Iron	t (B12) vertebrate Sulfide Oc thizospher of Reduce in Reduction	dor (C1) res along d Iron (C on in Ploy		Secc	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)
petrictive Layer (if Type:	ndicators: y one indicators: (Nonriveries (B2) (Noriveries (B2) (Noriveries (B6))	ne) iriverine) ine)	Sa Bi Ad Hy Ox Pr Re	otic Crus quatic Inv ydrogen S xidized R resence c ecent Iron	et (B12) vertebrate Sulfide Od thizospher of Reduce	dor (C1) res along d Iron (C on in Ploy	4)	Secc	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)
estrictive Layer (if Type:	ndicators: y one indicators: (Nonriveries (B2) (Noriveries (B2) (Noriveries (B6))	ne) iriverine) ine)	Sa Bi Ad Hy Ox Pr Re	otic Crus quatic Inv ydrogen S xidized R resence c ecent Iron	t (B12) vertebrate Sulfide Oc thizospher of Reduce in Reduction	dor (C1) res along d Iron (C on in Ploy	4)	Secc	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)
estrictive Layer (if Type:	ndicators: y one indicators: (Nonriveries (B2) (Nor) (Nonriveries (B2) (Nor) (Nonriveries (B6))	ne) iriverine) ine) nagery (B	Sa Bi Ad On Pr Re On	otic Crus quatic Inv ydrogen S xidized R resence c ecent Iron ther (Exp	t (B12) vertebrate Sulfide Oc thizospher of Reduce n Reduction	dor (C1) res along d Iron (C on in Plov marks)	4) wed Soils	Secc	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)
estrictive Layer (if Type:	ndicators: y one indicators: y one indicators: (Nonrivering is (B2) (Norivering is (B2) (Norivering is (B6)) e on Aerial Ir aves (B9)	ne) iriverine) ine) nagery (B	Sa Bi Ac O; Pr Re 7) Ol	otic Crus quatic Inv ydrogen S xidized R esence c ecent Iron ther (Exp	t (B12) vertebrate Sulfide Oct thizospher of Reduce n Reduction lain in Re	dor (C1) res along d Iron (C on in Plov marks)	4) wed Soils	Secc	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)
rype:	ndicators: y one indicators: y	ne) ariverine) ine) magery (B'	Sa Bi Ao Pr Re Ro Ool	otic Crus quatic Inv ydrogen S xidized R resence c ecent Iron ther (Exp	ret (B12) retrebrate Sulfide Oct thizospher of Reduce n Reduction clain in Re ches): ches): ches):	dor (C1) res along d Iron (C on in Plov marks)	4) wed Soils	Second Se	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)
rype:	ndicators: y one indicators: y	ne) ariverine) ine) magery (B'	Sa Bi Ao Pr Re Ro Ool	otic Crus quatic Inv ydrogen S xidized R resence c ecent Iron ther (Exp	ret (B12) retrebrate Sulfide Oct thizospher of Reduce n Reduction clain in Re ches): ches): ches):	dor (C1) res along d Iron (C on in Plov marks)	4) wed Soils	Second Se	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)
estrictive Layer (if Type:	ndicators: y one indicators: y	ne) ariverine) ine) magery (B'	Sa Bi Ao Pr Re Ro Ool	otic Crus quatic Inv ydrogen S xidized R resence c ecent Iron ther (Exp	ret (B12) retrebrate Sulfide Oct thizospher of Reduce n Reduction clain in Re ches): ches): ches):	dor (C1) res along d Iron (C on in Plov marks)	4) wed Soils	Second Se	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)

	c	itv/County:	Columo	canto	Sampling D	ate: 6/6/	24
			2010				
				State: CA	Sampling P	oint: _SN-	
na water	vonvoites	Section, Tow	nship, Rang	e: 500 T3/	N RIE		
see.	-	ocal relief	concave, co	nvex, none): Conc	ive	_ Slope (%):	0
	Lat: 38	0798	72	Long: -121.84	10326	Datum: N	2800
- 61614	_ Lat	,0,10		NWI class	ification: R	4SBA	
y cary	time of year	r2 Ves	/ No	(If no, explain i	n Remarks.)		
			Are "N	lormal Circumstance	s" present? Y	es X No	
							s, etc.
				,			
		125,0010			×		
		withi	n a Wetland	d? Yes_	/ No_		
S NO							
		Dania ant	Indicator	Dominance Test v	vorksheet:		
30							
							_ (A)
				Total Number of D	ominant	1	
						1	_ (B)
				Percent of Domina	nt Species		
Total Cover	. D					[00]	_ (A/B)
				Prevalence Index	worksheet:		
						Multiply by:	
				100000000000000000000000000000000000000			
	B			FACU species _	x	4 =	
				UPL species _	x	5 =	
	_75	<u> </u>	Obl	Column Totals: _	(A	N)	(B)
15		N	FICW				
	-					ators:	
						/Decuide	nortica
	-			Morphologica	ai Adaptations emarks or on a	(Provide sup separate she	eet)
Total Cove	r:_/ <u>/</u>	-			CONTRACTOR		
	O			¹ Indicators of hvo	dric soil and we	etland hydrolo	gy must
	n			be present.	22 6 7 7 7 7 7		
	r 74			Hydrophytic			
	,	t:	7	Vegetation	X		
% Cove	r of Biotic C	crust		Present?	Yes /\	_ No	-
	Total Cover	Lat: 38 Lat: 38 Typical for this time of year logy significantly or logy naturally protein site map showing les No No No No Total Cover:	Local relief (Lat: 38.0798 Local relief (Local relief (Lat: 38.0798 Local relief (Loca	Local relief (concave, concave) Lat: 38.079872 Lat: 38.079872 Typical for this time of year? Yes	Local relief (concave, convex, none): Local relief (concave, none): Local relief (concave, none): Local reli	Local relief (concave, convex, none): Concave (concave) Lat: 38.079872 Long: -121,840326 No (If no, explain in Remarks.) Are "Normal Circumstances" present? Y. (If needed, explain any answers in Remarks.) Is the Sampled Area within a Wetland? Yes No. Total Cover: O No (Species? Status) Total Cover: O No (Species? Status) Total Cover: O No (Species) No (Status) Total Cover: O No (Species) No (Speci	Significantly disturbed? Are "Normal Circumstances" present? Yes X No

SOIL

Sampling Point: CP-

Profile Description: (Describe to the depth needed to document the Indicator or confirm the absence of Indicators, Depth (Indicators). Depth (Indicators). Description: Total (Indicators). Description: Description: Total (Indicators). Description: Total (Indicators). Description: Total (Indicators). Description: Total (Indicators	Depth Matrix Redox Features	Texture Remarks Sich Sich Sich
Color (model)	Color (moist) % Type Loc	sich Sich Sich
C - 7.5 2.5 4/1 4/5 7.5 7/2 7/3 5 6 4/1 1/2 5 7.5 7/2 7/3 5 6 4/1 1/2 5 7.5 7/2 7/3 7/3 5 6 4/1 1/2	0-3.5 2.5	sict sict
Sy 1/1 45 7,5 7,5 7,5 5 6 M/RL 5 CL	5-6 57 4/1 45 7.5 1/2 3/3 5 6 M/PL 5 7.5 1/2 3/3 5 C M/PL 5 7.5 1/2 3/3 5 C M/PL 5 7.5 1/2 3/3 5 C M/PL 5 7.5 1/2 3/4 10 C M/PL 5 7.5 1/2 3/4 10 C M/PL 5 7.5 1/2 3/3 5 C M/PL 5 7.5 1/2 3/3 5 C M/PL 5 1/2 1/2 C M/PL 5 1/2 1/2 1/2 C M/PL 5 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	sict sict
Sy 3/1	5 y 3/1 45 7.5 y R 3/3 5 C M/PL S 6-10 2.5 y 4/1 40 7.5 y R 3/4 10 C M/PL S 10-16 61 y N 25/9 95 7.5 y R 3/5 6 C M Type: C=Concentration, D=Depletion, RM=Reduced Matrix. 2Location: PL=Pore Lining, RC lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Sick
Co-Ip Co-I	Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ² Location: PL=Pore Lining, RC lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Sick
Type: C-Concentration, D-Depletion, RM-Reduced Metrix. To the Muck (Ap) (LRR C) To the Muck (Ap) (LRR C) To the Muck (Ap) (LRR B) To the Muck (A	Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ² Location: PL=Pore Lining, RC lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	
Type: C-Concentration, D-Depletion, RM-Reduced Matrix. Type: C-Concentration, D-Depletion, RM-Reduced Matrix. Sandy Redox (S5)	Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ² Location: PL=Pore Lining, RC lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Sid
Indicators: (Applicable to all LRRs, unless otherwise noted.)	lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	
Indicators (Applicable to all LRRs, unless otherwise noted.)	lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	=Root Channel, M=Matrix.
Histosol (A1) Sandy Redox (S5) 1 or Muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 or Muck (A10) (LRR B) Histosol (A1) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratifide Jusers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 or Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Dark Surface (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Mucky Mineral (S1) Sandy Matrix (S4) estrictive Layer (if present): Type: Depth (inches): Wetland Hydrology Indicators: rimary Indicators (any one indicator is sufficient) Surface Water (A1) Saturation (A3) Solition (A3) Aquatic Invertebrates (B13) Drift Deposits (B2) (Riverine) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Saturation (A3) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) (Nonriverine) Hydrogen Sulfide Odor (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) Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (i		Indicators for Problematic Hydric Soils*:
Start Explosion (A) Coamy Mucky Mineral (F1) Reduced Vertic (F18)	Histosol (A1) Sandy Redox (S5)	
Distribution Common Comm		
Stratified Layers (A5) (LRR C)		
Contained Legistry (N) (ENTO) Contained Co	_ Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Vernal Pools (F9) Pestrictive Layer (if present): Type: Depth (inches): Permarks: Water Marks (B1) (Riverine) Saurface Water (A1)		Other (Explain in Remarks)
Thick Dark Surface (A12) Redox Depressions (F8) Vernal Pools (F9) And John Multiply Mineral (S1) Vernal Pools (F9) Redox Depressions (F8) Vernal Pools (F9) And John Multiply		
Sandy Mucky Mineral (S1)		
Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type:		31-directors of hydrophytic vegetation and
No	###	Indicators of hydrology must be present
Type:		Welland Hydrology must be present.
Port (inches):		
Agriculture (Art) Wetland Hydrology Indicators: Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Sediment Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Drainag	Type:	· · · · · · · · · · · · · · · · · · ·
Value Valu	Depth (inches):	Hydric Soil Present? Yes No
Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)	/DROLOGY	
Water Marks (B1) (Riverine) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Drainage		Secondary Indicators (2 or more required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Riverine) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Sediment Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B3) (Riverine) Mater Marks (B1) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B3) (Riverine) Dry-Season Water Table (C2) Thin Muck Surface (C7) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Water-Stained Leaves (B9) Seliment Deposits (B3) (Riverine) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Water-Stained Leaves (B9) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):		
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Water-Stained Leaves (B9) FAC-Neutral Test (D5) Sediment Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Sediment Deposits (B3) (Nonriverine) Depth (inches): Sediment Deposits (B3) (Nonriverine) 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) Sediment Deposits (B3) (Riverine) Dry-Season Water Table (C2) 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) Sediment Deposits (B3) (Riverine) Dry-Season Water Table (C2) 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 Hydrology Present? Yes No No Depth (inches): No Depth (inches): Dry Wetland Hydrology Present? Yes No No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
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) Your Depth (inches): Vater Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Yes		
Water Marks (B1) (Nonriverine)		
Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) FAC-Neutral Test (D5) Surface Water Present? Ves No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Section Present? Yes No Depth (inches):	프로그램 그렇게 하는 바로 가는 그 그리고 그는 그 그리고 하는 사람들이 되는 것이 되었다. 그는 그리고 하는 그리고 하는 것이 없는 것이다. 그리고 하는 것이다.	
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) Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): No Depth		
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) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Stello Observations: Surface Water Present?		
	#####################################	
Water-Stained Leaves (B9) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No _X Depth (inches): Vater Table Present? Yes No _X Depth (inches): Saturation Present? Yes No Depth (inches): Seturation Present? Yes No Depth (inches):	✓ Surface Soil Cracks (B6) — Recent Iron Reduction in Plowed Soils (Control of the Control of	 Saturation Visible on Aerial Imagery (C9
Field Observations: Surface Water Present? Yes No _X Depth (inches): Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes No Depth (inches): Simple Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Shallow Aquitard (D3)
Surface Water Present? Yes No _X Depth (inches): Vater Table Present? Yes No _X Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Second Present? Yes No Depth (inches): Depth (inches): Wetland Hydrology Present? Yes No Present? Yes No Depth (inches): Second Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):	Water-Stained Leaves (B9)	FAC-Neutral Test (D5)
Vater Table Present? Yes No _X_ Depth (inches): Eaturation Present? Yes _X_ No Depth (inches): Includes capillary fringe) Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	ield Observations:	
Vater Table Present? Yes No _X_ Depth (inches): Eaturation Present? Yes _X_ No Depth (inches): Includes capillary fringe) Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	urface Water Present? Yes No X Depth (inches):	
saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Sescribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		. /
	raturation Present? Yes X No Depth (inches): 10" Wetla	
Remarks:	See 1 - 1 - 2 - 1 - 2 - 1 - 2 - 2 - 2 - 2 -	, arandoto.

	DATA FORM – Arid West Region
Project/Site: Could wike City	y/County: Solono Conty Sampling Date: 6/6/24
Applicant/Owner: LS Power	State: CA Sampling Point: SP-2
Investigator(s): Kurn Buch, Victoria yet remarkovose	ction, Township, Range: SØØ T3V RIE
Landform (hillslope, terrace, etc.): Toes lope Lo	cal relief (concave, convex, none): Slope (%):
	079826 Long: -121.840203 Datum: NAD83
Soil Map Unit Name: Tamba Muchy Clay / Diablo-Av	Mr Class 2-9% Stupes NWI classification: R4SBA
Are climatic / hydrologic conditions on the site typical for this time of year	
Are Vegetation, Soil, or Hydrology significantly dis	V
Are Vegetation, Soil, or Hydrology naturally proble	
SUMMARY OF FINDINGS – Attach site map showing s	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Potentilly manuall born separating w-13 or	D'w-14
VEGETATION	
	Dominant Indicator Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2	Total Number of Dominant
4	Percent of Dominant Species That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum 0 x 15 Total Cover:	Prevalence Index worksheet:
2	Total 0/ Course of Multiply but
3.	OPI species v1-
4.	FACIAL anadica
5.	FAC species x 3 =
Total Cover:	FACU species x 4 =
Herb Stratum 5'x 5'	V CSC UPL species x 5 =
1. Festuca perennis 60	Υ
2 Brown madritanis 30	Frevalence Index = B/A =
3. Polypoyan monsperinsis 30	N FOLW Hydrophytic Vegetation Indicators:
4. TIMINGAIA SMITTING	N 08L × Dominance Test is >50%
	Description of Index is 42.01
6	Morphological Adaptations ¹ (Provide supporting
7	data in Remarks or on a separate sheet)
8	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (01 x 151	
1	1 Indicators of hydric soil and wetland hydrology must be present.
Total Cover:	Hydrophytic Vegetation Present? Yes No
	11000111 100 7 100
Remarks:	

W-13

Sampling Point: 59-2

Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type ¹ Loc ²	Texture Remarks
2.54 5/4 100		Sich
Type: C=Concentration, D=Depletion, RM=	=Reduced Matrix. ² Location: PL=Pore Lining, R0	C=Root Channel, M=Matrix.
lydric Soil Indicators: (Applicable to all		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)Sandy Gleyed Matrix (S4)	Vernal Pools (F9)	wetland hydrology must be present.
		wettand nydrology mast 25 process.
restrictive Layer (it present):		
		× .
Type: Nove to 2011		Hydric Soil Present? Yes No
Type: Nove to 2011 Depth (inches):	ic tagains present in top 6"	Hydric Soil Present? Yes No X
Type: None to 2011 Depth (inches): Remarks: Several SMG11 angular roa Construct a banks	ic tagains present in top 6"	
Type: None to 2011 Depth (inches): Remarks: Several SMall angular roa Construct a barro	in toblesh in top 6"	of soil. May be old fill chang
Type: Nove to 20" Depth (inches): Remarks: Several SMall angular roa Construct a band YDROLOGY Vetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Type: Nove to 20" Depth (inches): Remarks: Several SMAII angular roc Construct a band YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indicator is suffice	cient)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Type: Nove to 20 Depth (inches):	cient) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: Nove to 20 Depth (inches): Remarks: Several SMA angular roc Contractal band /DROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is suffice Surface Water (A1) High Water Table (A2)	cient) Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type: Nove to 20 Depth (inches):	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type: Nore to 20 Depth (inches):	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen 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: Nove to 20 Depth (inches):	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root	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) s (C3) Thin Muck Surface (C7)
Type: Nore to 20 Depth (inches):	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4)	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) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8)
Type: Nore to 20 Depth (inches):	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C	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) s (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type: Nore to 20 Depth (inches):	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C	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) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type: Nove to 20 Depth (inches):	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C	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) s (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type: Nore to 20 Depth (inches):	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C	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) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type: Nore to 20 Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C	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) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type: Nore to 20 Depth (inches):	Sient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C4) Other (Explain in Remarks) Depth (inches): Depth (inches):	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) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Nore to 20 Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C Other (Explain in Remarks)	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) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Nore to 20 Depth (inches):	Sient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C4) Other (Explain in Remarks) Depth (inches): Depth (inches):	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) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: Several SMA Angular road Primary Indicators (any one indicator is suffice 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) ield Observations: urface Water Present? Yes Naturation Present?	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C Other (Explain in Remarks)	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) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

roject/Site: C/31/mCir.llar	-	City/County	Solve	D	Sampling Date: 6-7-24
Applicant/Owner: LS Pour		my/odunty.		State: CA	Sampling Point: SP-3
nvestigator(s): Victoria yet commission, Maren	Buh	Section Tow	nshin Range	SOOT	TRU RIE
andform (hillslope, terrace, etc.): Toestope) William	Local relief (concave cor	over none): COOL	ALX Slone (%): O
ubregion (LRR):	1-4 28		25 L	opg: - 121 & 4	DUUT Datum: MAO 8
all Marketing Discussion Anno 1997	_0'/ C	1000 h	746/24 44	the Class NV/I classi	Spection: OUSBA
oil Map Unit Name: Diablo-Ayar clays 2	-1/1. 31	9200/1	APPOUR ME	ug aky NVVI classi	Paradia \
re climatic / hydrologic conditions on the site typical for this					
re Vegetation, Soil, or Hydrology si					" present? Yes 💹 No
re Vegetation, Soil, or Hydrology n	aturally prol	olematic?	(If need	led, explain any ansi	wers in Remarks.)
UMMARY OF FINDINGS – Attach site map s	showing	sampling	point loc	ations, transec	ts, important features, etc
Hydrophytic Vegetation Present? Yes No No No No No No No No No No	o		Sampled A	rea ? Yes	× No
Wetland Hydrology Present? Yes No					
Remarks:					
EGETATION	Abaaluta	Dominant	Indicator	Dominance Test w	orksheet:
Tree Stratum (Use scientific names.)		Species?	Status	Number of Dominan	
				Total Number of Do	minant
				Species Across All S	
				Percent of Dominan	t Species
Sapling/Shrub Stratum () Total Cover	:0_			That Are OBL, FAC	W, or FAC: (A/E
			+	Prevalence Index v	worksheet:
				Total % Cover	of: Multiply by:
					x 1 =
				FACW species	x 2 =
				FAC species	x 3 =
Total Cover	: 9			FACU species	x 4 =
erb Stratum V		V	Come	UPL species	x 5 =
. Festiven Perchnis		<u> </u>	(ac	Column Totals:	(A) (E
Distichlis Spicator	10	N N	Fac	Provolence Ir	ndex = B/A =
Salacoinia Recifina			066	A STATE OF THE STA	etation Indicators:
Frankenie Selina		N_	FACW	X Dominance Te	
•				Prevalence Inc	
				The second secon	Adaptations ¹ (Provide supporting
				data in Rer	marks or on a separate sheet)
				Problematic H	lydrophytic Vegetation ¹ (Explain)
Total Cover	. 11-1				
					ic soil and wetland hydrology mus
				be present.	
Total Cover	:_B			Hydrophytic Vegetation	
6 Bare Ground in Herb Stratum % Cover	of Biotic C	rust		Present?	YesX No
Remarks:					

Depth Col	Matrix lor (moist)	%	Color (moist)	Feature %	Type ¹	_Loc ²	Textur	e Remarks
0-12 610	1 N Z.5/0	100			=		Sich	
			104R 4/4	5		M	3:66	
14.5-22 2.5	7 4/1		54 7/1	35	a	M	U	
			10YR 5/6	2	6	<u>M</u>	- 1	
			Reduced Matrix.			re Lining, I		
Hydric Soil Indicato	ors: (Applicat	ole to all	LRRs, unless other	wise not	ed.)		Indica	tors for Problematic Hydric Soils ³ :
Histosol (A1)			Sandy Redo	x (S5)			_ 1	cm Muck (A9) (LRR C)
Histic Epipedon			Stripped Mat	rix (S6)				cm Muck (A10) (LRR B)
Black Histic (A3)			Loamy Muck	y Minera	l (F1)			educed Vertic (F18)
Hydrogen Sulfide			Loamy Gleye	ed Matrix	(F2)		R	ed Parent Material (TF2)
Stratified Layers			Depleted Ma	trix (F3)			0	ther (Explain in Remarks)
1 cm Muck (A9)			Redox Dark	Surface ((F6)			
Depleted Below		(A11)	Depleted Da	rk Surfac	e (F7)			
Thick Dark Surfa			Redox Depre	essions (F8)		2.0	
_ Sandy Mucky Mi			Vernal Pools	(F9)				tors of hydrophytic vegetation and
_ Sandy Gleyed M	atrix (S4)						wet	land hydrology must be present.
Restrictive Layer (if	present):							
	- 0/1							
Type: None &	0 24"							×
Type: None 4 Depth (inches):	0 29		_				Hydric	Soil Present? Yes No
Type: None & Depth (inches):	0 29		_			14	Hydric	Soil Present? Yes No
Type: None A Depth (inches): Remarks:	0 24"					24		
Type: None & Depth (inches): Remarks: YDROLOGY Vetland Hydrology	Indicators:	or ie suffi	rient)					econdary Indicators (2 or more required)
Type: None A Depth (inches): Remarks: PROLOGY Vetland Hydrology or imary Indicators (ar	Indicators:	or is suffic		D44\				econdary Indicators (2 or more required) _ Water Marks (B1) (Riverine)
Type:	Indicators:	or is suffic	X Salt Crust (econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: A Depth (inches): Remarks: /DROLOGY /etland Hydrology of the color of the c	Indicators:	or is suffic	X Salt Crust ((B12)				econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type:	Indicators: ny one indicato 1) e (A2)		Salt Crust (Biotic Crust Aquatic Inve	(B12) ertebrate				econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: NOCO A Depth (inches): Remarks: POROLOGY Vetland Hydrology of the color	Indicators: ny one indicato 1) (A2) (Nonriverine)	★ Salt Crust (IBiotic CrustAquatic InventorHydrogen S	(B12) ertebrate sulfide Od	dor (C1)		<u>S</u>	econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type: A Depth (inches): Remarks: POROLOGY Vetland Hydrology of the color of the co	Indicators: ny one indicato 1) (A2) (Nonriverine ts (B2) (Nonri	e) verine)	Salt Crust (Biotic Crust Aquatic Inve	(B12) ertebrate sulfide Od	dor (C1)	Living Ro	<u>S</u>	econdary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type:	Indicators: ny one indicato (1) (A2) (Nonriverine ts (B2) (Nonri	e) verine)	★ Salt Crust (IBiotic CrustAquatic InventorHydrogen S	(B12) ertebrate sulfide Od nizosphe	dor (C1) res along		<u>S</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)
Type: NOCE A Depth (inches): Remarks: POROLOGY Vetland Hydrology I rimary Indicators (ar _ Surface Water (A _ High Water Table _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposit	Indicators: ny one indicato (1) (A2) (Nonriverine ts (B2) (Nonri	e) verine)	★ Salt Crust (IBiotic CrustAquatic Inverse Hydrogen SOxidized Rh	(B12) ertebrate sulfide Od nizosphe f Reduce	dor (C1) res along ed Iron (C4	4)		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) Thin Muck Surface (C7) Crayfish Burrows (C8)
Type:	Indicators: ny one indicato 1) e (A2) (Nonriverine ts (B2) (Nonri 8) (Nonriverine cks (B6)	e) verine) e)	∑ Salt Crust (I	(B12) ertebrate sulfide Od nizospher f Reduce Reduction	dor (C1) res along ed Iron (C4 on in Ploy	4)		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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type:	Indicators: ny one indicato 1) e (A2) (Nonriverine ts (B2) (Nonri 8) (Nonriverine ks (B6) e on Aerial Ima	e) verine) e)	∑ Salt Crust (I	(B12) ertebrate sulfide Od nizospher f Reduce Reduction	dor (C1) res along ed Iron (C4 on in Ploy	4)		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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type: None A Depth (inches):	Indicators: ny one indicato 1) e (A2) (Nonriverine ts (B2) (Nonri 8) (Nonriverine ks (B6) e on Aerial Ima	e) verine) e)	∑ Salt Crust (I	(B12) ertebrate sulfide Od nizospher f Reduce Reduction	dor (C1) res along ed Iron (C4 on in Ploy	4)		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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type:	Indicators: ny one indicators: (A2) (Nonriverine ts (B2) (Nonriverine ts (B6))	e) verine) e) gery (B7	_X Salt Crust () Biotic Crust Aquatic Invo Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expl	(B12) ertebrate sulfide Od nizosphe f Reduce Reduction ain in Re	dor (C1) res along ed Iron (C4 on in Plov emarks)	4) ved Soils (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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type:	Indicators: ny one indicators: ny one indicators: 1) a (A2) (Nonriverine its (B2) (Nonri B) (Nonriverine its (B6) a on Aerial Imalaves (B9) at? Yes	e) verine) e) gery (B7	X Salt Crust () Biotic Crust Aquatic Inva Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expl	(B12) ertebrate fulfide Od nizosphe f Reduce Reducti ain in Re	dor (C1) res along ed Iron (C4 on in Plov emarks)	4) ved Soils (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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type: None A Depth (inches):	Indicators: ny one indicators: n	e) verine) e) ugery (B7	_X Salt Crust () Biotic Crust Aquatic Invo Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expl	(B12) ertebrate dulfide Od nizospher f Reduce Reduction ain in Re nes): nes):	dor (C1) res along ed Iron (C4 on in Plov emarks)	4) wed Soils (ots (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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type: NOCO A Depth (inches):	Indicators: ny one indicators: n	verine) e) gery (B7		(B12) ertebrate culfide Oc nizospher f Reduce Reduction ain in Re nes): nes): nes): nes):	dor (C1) res along ed Iron (C4 on in Plov emarks)	4) ved Soils (Souts (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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: NOCO A Depth (inches): Depth (inches): Permarks: TOROLOGY Vetland Hydrology of the second of the sec	Indicators: ny one indicators: n	verine) e) gery (B7	Salt Crust () Biotic Crust Aquatic Invo Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expli	(B12) ertebrate culfide Oc nizospher f Reduce Reduction ain in Re nes): nes): nes): nes):	dor (C1) res along ed Iron (C4 on in Plov emarks)	4) ved Soils (Souts (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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: NOCO A Depth (inches): Depth (inches): Permarks: TOROLOGY Vetland Hydrology of the color of the	Indicators: ny one indicators: n	e) verine) e) ugery (B7	Salt Crust () Biotic Crust Aquatic Inva Hydrogen S Oxidized Ri Presence of Recent Iron Other (Expl.) Depth (incl.) Depth (incl.) Depth (incl.)	(B12) ertebrate dulfide Od nizospher f Reduce Reduction ain in Re nes): nes): notos, pro	dor (C1) res along d Iron (C4 on in Plov emarks)	wed Soils (Wet	oots (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) 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

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Project/Site: CONINSVILLE		City/County	: Soluni	Sampling Date: 6/7/24
Applicant/Owner: W POWE				State: CA Sampling Point: State:
ivestigator(s): Kuren Back, Victoria Yefremon				
andform (hillslope, terrace, etc.): +oeslope		Local relief	f (concave, o	convex, none): CONCAUL Slope (%): O
ubregion (LRR): LRC	_ Lat: _38	.0797	193	Long: - 121.839967 Datum: NAD83
oil Map Unit Name: Tamba Mully Clay				NWI classification: RUSBA
e climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes _	X No_	(If no, explain in Remarks.)
e Vegetation, Soil, or Hydrology si	ignificantly	disturbed?	Are "	'Normal Circumstances" present? Yes No
e Vegetation, Soil, or Hydrology na	aturally pro	blematic?	(If ne	eeded, explain any answers in Remarks.)
UMMARY OF FINDINGS – Attach site map s	showing	samplin	g point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Ves X No Yes X No Ye		0.7500	ne Sampled nin a Wetlar	V
emarks:				
GETATION				To be delicate
ree Stratum (Use scientific names.) (= 30)	Absolute % Cover		t Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A)
			_	Total Number of Dominant Species Across All Strata: (B)
Total Cover:	0		_	Percent of Dominant Species That Are OBL, FACW, or FAC:\ 0 0 (A/B
apling/Shrub Stratum 「多い				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
				OBL species x 1 =
				FACW species x 2 =
				FAC species x 3 =
_ I Total Cover:	0			FACU species x 4 =
rb Stratum 7=5 Total Cover:			-61	UPL species x 5 =
Salicornia Pacifice	15	_ N	OBL	Column Totals: (A) (B
polypogon monspelensis	2	_ N	FACU	5 1 1 1 8/4
cotula coronopololia	<u> </u>	<u>N</u>	OBL	Prevalence Index = B/A =
chenopodiastrum murale	-1	- N	FACU	Hydrophytic Vegetation Indicators:
Spergularia marina	90		OBL	✓ Dominance Test is >50%
3				— Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover:	11.5			
ody Vine Stratum				¹ Indicators of hydric soil and wetland hydrology must
				be present.
Total Cover:	0			Hydrophytic
	of Biotic C	rust	ô	Vegetation Present? Yes No
Bare Ground in Herb Stratum % Cover				

W-14

SOIL

Sampling Point: 59-

Depth	Matrix		oth needed to docum	Features				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture_	Remarks
0-7,5	5/ 4/1	93	7.5 YR 4/6	7	L		Sich	
		-	112 112		-			
7.5-11	2.54 3/1	98	5/12 3/4	7-		MI	1.11	
,,,,	23/ 3/1		3/10 1/9			11/12	sick.	
11 _17	10VD 2/1	- 63	- 4					
11 -18	10YR 2/1	20	2.54 7/2	15	_D_	_M		
			104R 3/6	2	-6	<u>M</u>		
	Concentration, D=De					e Lining, RC	=Root Chann	
		cable to al	LRRs, unless other		ed.)			for Problematic Hydric Soils ³ :
Histoso	DI (A1) Epipedon (A2)		Sandy Redo					uck (A9) (LRR C)
	Histic (A3)		Stripped Ma		1/54)			uck (A10) (LRR B)
	en Sulfide (A4)		Loamy Mucl					ed Vertic (F18) rent Material (TF2)
	ed Layers (A5) (LRR	C)	Loamy GleyX Depleted Ma		(F2)			Explain in Remarks)
	luck (A9) (LRR D)	٥,	Redox Dark		(E6)		_ Other (Explain in Nemarks)
	ed Below Dark Surfa	ce (A11)	Depleted Da					
	Dark Sufface (A12)	,,	Redox Depr					
Sandy	Mucky Mineral (S1)		Vernal Pool		,		3Indicators	of hydrophytic vegetation and
Sandy	Gleyed Matrix (S4)							hydrology must be present.
	Layer (if present):							
Type:	have to 22"					- 1		
	nches):						Hydric Soil	Present? Yes <u>X</u> No
Remarks:							Hydric Soil	Present? Yes <u>X</u> No
Remarks:	DGY	ı.						
Remarks: YDROLO Wetland Hy	OGY ydrology Indicators		fficient)				Secon	dary Indicators (2 or more required)
YDROLO Wetland Hy	DGY ydrology Indicators licators (any one indi			(R11)			<u>Secor</u> W	dary Indicators (2 or more required) Vater Marks (B1) (Riverine)
YDROLO Wetland Hy Primary Ind Surface	OGY ydrology Indicators licators (any one ind e Water (A1)						<u>Secor</u> W S	dary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
YDROLO Wetland Hy Primary Ind Surface High W	OGY ydrology Indicators licators (any one indicators (A1) which was a second of the control of t			st (B12)	as (B13)		<u>Secon</u> W S D	dary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
YDROLO Wetland Hy Primary Ind Surface High W Saturat	ogy ydrology Indicators licators (any one indi e Water (A1) /ater Table (A2) tion (A3)	icator is su	Salt Crust Biotic Crus Aquatic In	st (B12) vertebrate			Secon W S D D	dary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10)
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water	ydrology Indicators ydrology Indicators licators (any one indicators (A1) water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive	icator is su erine)	_★ Salt Crust Biotic Crus Aquatic In Hydrogen	st (B12) vertebrate Sulfide C	dor (C1)	a Living Root	Secon W S D D	Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2)
YDROLO Wetland Hy Primary Ind Surface High W Satural Water I Sedime	ogy ydrology Indicators licators (any one indicators (A1) water Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N	erine)	_★ Salt Crust Biotic Crust Aquatic In Hydrogen) ★ Oxidized F	st (B12) vertebrate Sulfide C Rhizosphe	odor (C1) eres along		Secor W S D D D D D S S S (C3) T	dary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7)
NOROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De	OGY ydrology Indicators licators (any one indicators (A1) water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (No	erine)	≾ Salt Crust Biotic Crust Aquatic In: Hydrogen)	st (B12) vertebrate Sulfide C Rhizosphe of Reduc	odor (C1) eres along ed Iron (C	(4)	Secon W S D D D D D S (C3) T	Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) trayfish Burrows (C8)
Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De	ody ydrology Indicators licators (any one indicators (any one indicators) water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (Nonrive eposits (B3) (Nonrive e Soil Cracks (B6)	erine) onriverine erine)		st (B12) vertebrate Sulfide C Rhizosphe of Reduct	odor (C1) eres along ed Iron (C tion in Plo		Secon W S D D D D D Cs (C3) T	Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) crayfish Burrows (C8) saturation Visible on Aerial Imagery (C9)
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda	pdrology Indicators licators (any one indicators (any one indicators (A1) later Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (No eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aeria	erine) conriverine erine)		st (B12) vertebrate Sulfide C Rhizosphe of Reduct	odor (C1) eres along ed Iron (C tion in Plo	(4)	Secon Secon S S D C S C S S S S S S S S S S	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rrayfish Burrows (C8) saturation Visible on Aerial Imagery (C9) challow Aquitard (D3)
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water-	ydrology Indicators licators (any one indicators (any one indicators (A1) later Table (A2) ltion (A3) Marks (B1) (Nonrive ent Deposits (B2) (Neposits (B3) (Nonrive e Soil Cracks (B6) ltion Visible on Aeria Stained Leaves (B9)	erine) conriverine erine)		st (B12) vertebrate Sulfide C Rhizosphe of Reduct	odor (C1) eres along ed Iron (C tion in Plo	(4)	Secon Secon S S D C S C S S S S S S S S S S	Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) crayfish Burrows (C8) saturation Visible on Aerial Imagery (C9)
YDROLO Wetland Hy Primary Ind Surface High W Satural Water I Sedime Drift De Surface Inunda Water- Field Obse	ydrology Indicators vicators (any one indicators (any one indicators (A1) vicater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (Nonrive esoil Cracks (B6) tion Visible on Aeria Stained Leaves (B9)	erine) onriverine erine) I Imagery (I		st (B12) vertebrate Sulfide C Rhizosphe of Reduce on Reduct plain in R	odor (C1) eres along ed Iron (C tion in Plo emarks)	(4) wed Soils (C	Secon Secon S S D C S C S S S S S S S S S S	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rrayfish Burrows (C8) eaturation Visible on Aerial Imagery (C9) challow Aquitard (D3)
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse	pydrology Indicators licators (any one indicators (any one indicators) water (A1) water Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (Nonrive esoil Cracks (B6) tion Visible on Aeria Stained Leaves (B9) ervations:	erine) conriverine erine) I Imagery (Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro B7) Other (Exp	st (B12) vertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in R	odor (C1) eres along ed Iron (C tion in Plo emarks)	(4) wed Soils (C	Secon Secon S S D C S C S S S S S S S S S S	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rrayfish Burrows (C8) saturation Visible on Aerial Imagery (C9) challow Aquitard (D3)
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse Surface Water Table	pdrology Indicators licators (any one indi- e Water (A1) later Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N- eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aeria Stained Leaves (B9) ervations: ater Present?	erine) onriverine erine) I Imagery (I	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	st (B12) vertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in R ches): ches):	odor (C1) eres along ed Iron (C tion in Plo emarks)	(4) wed Soils (C	Secon W S D D D D Cs (C3) T C6) S F	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) shallow Aquitard (D3) raC-Neutral Test (D5)
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse Surface Wa Water Table Saturation (includes ca	ydrology Indicators licators (any one indicators (any one indicato	erine) onriverine erine) I Imagery (I	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro B7) Other (Exp	st (B12) vertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in R ches): ches): ches): ches):	odor (C1) eres along ed Iron (C tion in Plo emarks)	(4) wed Soils (C	Secon W S D D D D S S S F	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rrayfish Burrows (C8) saturation Visible on Aerial Imagery (C9) challow Aquitard (D3)
Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse Surface Wa Water Table Saturation (includes ca	ydrology Indicators licators (any one indicators (any one indicato	erine) onriverine erine) I Imagery (I	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	st (B12) vertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in R ches): ches): ches): ches):	odor (C1) eres along ed Iron (C tion in Plo emarks)	(4) wed Soils (C	Secon W S D D D D S S S F	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9 shallow Aquitard (D3) raC-Neutral Test (D5)
Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse Surface Wa Water Table Saturation (includes ca	ydrology Indicators licators (any one indicators (any one indicato	erine) onriverine erine) I Imagery (I	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro B7) Other (Exp	st (B12) vertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in R ches): ches): ches): ches):	odor (C1) eres along ed Iron (C tion in Plo emarks)	(4) wed Soils (C	Secon W S D D D D S S S F	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9 shallow Aquitard (D3) raC-Neutral Test (D5)
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse Surface Water Table Saturation I (includes ca	ydrology Indicators licators (any one indicators (any one indicato	erine) onriverine erine) I Imagery (I	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro B7) Other (Exp	st (B12) vertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in R ches): ches): ches): ches):	odor (C1) eres along ed Iron (C tion in Plo emarks)	(4) wed Soils (C	Secon W S D D D D S S S F	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9 shallow Aquitard (D3) raC-Neutral Test (D5)
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse Surface Water Table Saturation (includes ca	ydrology Indicators licators (any one indicators (any one indicato	erine) onriverine erine) I Imagery (I	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro B7) Other (Exp	st (B12) vertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in R ches): ches): ches): ches):	odor (C1) eres along ed Iron (C tion in Plo emarks)	(4) wed Soils (C	Secon W S D D D D S S S F	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) shallow Aquitard (D3) raC-Neutral Test (D5)
POROLO Vetland Hy rimary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse Surface Water Table Saturation Includes co	ydrology Indicators licators (any one indicators (any one indicato	erine) onriverine erine) I Imagery (I	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro B7) Other (Exp	st (B12) vertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in R ches): ches): ches): ches):	odor (C1) eres along ed Iron (C tion in Plo emarks)	(4) wed Soils (C	Secon W S D D D D S S S F	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) shallow Aquitard (D3) raC-Neutral Test (D5)
YDROLO Vetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse Surface Water Table Saturation I includes co	ydrology Indicators licators (any one indicators (any one indicato	erine) onriverine erine) I Imagery (I	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro B7) Other (Exp	st (B12) vertebrate Sulfide C Rhizosphe of Reduct on Reduct plain in R ches): ches): ches): ches):	odor (C1) eres along ed Iron (C tion in Plo emarks)	(4) wed Soils (C	Secon W S D D D D S S S F	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2) hin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9 shallow Aquitard (D3) raC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: COllinguille					
Applicant/Owner: LS Power					npling Point: SP-1
Investigator(s): Kuren Back, Victoria	Yellemorko	Section, To	wnship, Rang	ge: SØØ T3N	1216
Landform (hillslope, terrace, etc.): 1005100					
Subregion (LRR): LPPC	Lat:	38.079	719	Long: - 121.83905	3 Datum: <u>NAO83</u>
Soil Map Unit Name: Tamba Muchy	Cluy			NWI classification	1: RYSBA
Are climatic / hydrologic conditions on the site ty					
Are Vegetation, Soil, or Hydrolog				Normal Circumstances" pres	ent? Yes X No
re Vegetation, Soil, or Hydrolog				eded, explain any answers in	
SUMMARY OF FINDINGS - Attach s			ng point lo	ocations, transects, ir	nportant features, etc.
Hydric Soil Present? Yes	X No X No	- wit	he Sampled hin a Wetlan		No
Remarks:		_			
EGETATION				Dominance Test worksh	noot:
Tree Stratum (Use scientific names.)	Absol	lute Dominan over Species	nt Indicator ? Status	Number of Dominant Spe	sios —
				That Are OBL, FACW, or	
				Tatal Number of Demina	nt a
				Total Number of Dominal Species Across All Strata	3
				D	alaa
	Total Cover:)		Percent of Dominant Spe That Are OBL, FACW, or	FAC:60 (A/B)
Sapling/Shrub Stratum (=5)					
				Prevalence Index work	
				Total % Cover of:	
					x 1 =
					x 2 =
					x3=
	Total Cover:	<u></u>			x 4 =
erb Stratum Y=5	2	LN	OBL	UPL species	
Suricornia pucifica		- T	OBL	Column Totals:	(A) (B)
Spergularia marina			OBL	Prevalence Index	= B/A =
cottia coronopotonia			UPL	Hydrophytic Vegetation	
Bromus medritusis				Dominance Test is	
polypoyan manspellansis		-+	FACW	Prevalence Index	
. 5 3				- Prevalence index	s 55.0
				Morphological Ada	aptations ¹ (Provide supporting as or on a separate sheet)
					ophytic Vegetation ¹ (Explain)
	Total Cover: 20)		_ Floblematic Hydro	, kill 100 100 100 100 100 100 100 100 100 1
andu Vina Stratum CCS				11-diaptors of budgle of	oil and wetland hydrology must
oody ville Stratum 1 - 2				be present.	ni and wenand nydrology mus
				Do procent	
Yoody Vine Stratum (755)		/		The state of the s	
	Total Cover:	<u>*</u>		Hydrophytic	V
		tio Crust	d	Hydrophytic Vegetation Present? Y	es X No

Profile Des	cription: (Describe	to the del	pui necucu						
Depth	Matrix				Feature		Loc ²	Texture	Remarks
(inches)	Color (moist)	%	Color (n	noist)	%	_Type ¹		· Ontaio	
6 A	2.54 3/1	-	10 4 10	3/,				5://	
0-8	2.57 3/1	99	10/12	16				-5.01	
_		- n						CILI	Odox Distort
8-16	2.54 4/1	98	2.54	4/4	_2		<u></u>	Sil	Rollox district
									-
Type: C=C	oncentration, D=Dep	letion RM	=Reduced M	Matrix 2	Location	: PL=Pore	Lining, F	RC=Root Char	nnel, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all	LRRs, unle	ss otherv	vise note	ed.)	9,	indicators	S for Problematic Hydric cons .
Histosol				ndy Redox				1 cm	Muck (A9) (LRR C)
	pipedon (A2)			ipped Mat				2 cm	Muck (A10) (LRR B)
Black H	istic (A3)		Loa	amy Muck	y Minera	I (F1)		Redu	ced Vertic (F18)
	en Sulfide (A4)			amy Gleye		(F2)			Parent Material (TF2)
	d Layers (A5) (LRR (C)		pleted Ma				Other	(Explain in Remarks)
	ick (A9) (LRR D)			dox Dark					
	d Below Dark Surfac ark Surface (A12)	e (A11)	_	pleted Dar					
	Mucky Mineral (S1)			dox Depre		ro)		3Indicators	s of hydrophytic vegetation and
	Gleyed Matrix (S4)			illai F 00is	(1 3)				d hydrology must be present.
	Layer (if present):								
									- William Control
TVDe:									\ /
Type:	ches):		_					Hydric Soi	I Present? Yes No
Depth (in	ches):		_					Hydric Soi	I Present? Yes No
Depth (increments:	GΥ								
Depth (inc Remarks: YDROLO Vetland Hyd	GY drology Indicators:							Seco	ndary Indicators (2 or more required)
Depth (inc Remarks: YDROLO Vetland Hyd	GΥ							Seco	ndary Indicators (2 or more required) Nater Marks (B1) (Riverine)
Depth (inc Remarks: YDROLO Vetland Hyd Primary Indic Surface	GY drology Indicators: eators (any one indica Water (A1)		¥ Sa	alt Crust (E					ndary Indicators (2 or more required) Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inc Remarks: YDROLO Vetland Hyd Primary Indic Surface	GY drology Indicators: ators (any one indica		<u> </u>	otic Crust	(B12)			Seco	ndary Indicators (2 or more required) Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inc Remarks: YDROLO Vetland Hyd Surface High Wa Saturatio	GY drology Indicators: eators (any one indicators) Water (A1) ter Table (A2) on (A3)	ator is suffi	<u>→</u> Sa Bi Ad	otic Crust quatic Inve	(B12) ertebrates			Seco \ \ \ \ \ \ \ \ \ \ \ [\ \ \ [\ \ \ \ \ \ \ \ \ \ \ \ \ [\	ndary Indicators (2 or more required) Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (inc Remarks: YDROLO Vetland Hyd 'rimary Indic Surface High Wa Saturatic Water M	GY drology Indicators: ators (any one indicators) Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri	ator is suffi	<u>≻</u> Sa Bi Ad Ну	otic Crust quatic Inve /drogen S	(B12) ertebrates ulfide Od	lor (C1)		Seco V S I	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)
Depth (inc Remarks: YDROLO Vetland Hyd Primary Indic Surface High Wa Saturatio Water M Sedimen	GY drology Indicators: eators (any one indicators) Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveriator)	ator is suffi ne) iriverine)	∠ Sa — Bi — Aα — Hy — Ox	otic Crust quatic Inve vdrogen S kidized Rh	(B12) ertebrates ulfide Od izospher	lor (C1) res along l		Seco V S I I	ndary Indicators (2 or more required) Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Thin Muck Surface (C7)
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YDROLO YDROLO Yetland Hyd Surface High Wa Saturatio Water M Sedimen Drift Dep Surface Surface Inundatio Water-St	GY drology Indicators: ators (any one indicators) Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Nonriveri cosits (B3) (Nonriveri Soil Cracks (B6) on Visible on Aerial In	ne) nriverine) ine)		otic Crust quatic Inve rdrogen Si kidized Rh esence of ecent Iron	(B12) ertebrates ulfide Od izospher Reduced	for (C1) res along L d Iron (C4 on in Plow)	Seco	ndary Indicators (2 or more required) Water 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)
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Primary Indic Surface High Water M Sedimen Drift Dep Surface Inundation Water-St ield Observant	GY drology Indicators: eators (any one indicators) Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Noriveri soil Cracks (B6) on Visible on Aerial Intialined Leaves (B9) vations: er Present?	ne) nriverine) ine) nagery (B7		otic Crust quatic Inve drogen S didized Rh esence of ecent Iron her (Expla	(B12) ertebrates ulfide Od izospher Reducee Reductic ain in Rer	lor (C1) res along L d Iron (C4 on in Plow marks)) ed Soils (0	Seco	ndary Indicators (2 or more required) Nater 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 (CS) Shallow Aquitard (D3)
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Primary Indic Surface High Wa Saturatio Water M Sedimen Drift Dep Surface Inundatio Water-St ield Observ urface Water Table aturation Pr	GY drology Indicators: cators (any one indicators) Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Nor cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial In cained Leaves (B9) vations: er Present? Ye esent? Ye esent?	ne) nriverine) ine) magery (B7		otic Crust quatic Inverselved	(B12) ertebrates ulfide Od izospher Reducei Reductic ain in Rer es): es):	dor (C1) res along I d Iron (C4 on in Plow marks)	ed Soils (C	Seco	ndary Indicators (2 or more required) Nater 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)
Primary India Surface High Water M Sedimen Drift Dep Surface Inundation Water-St ield Observator Water Table Baturation Princludes cap	GY drology Indicators: cators (any one indicators) Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Nor cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial In cained Leaves (B9) vations: er Present? Ye esent? Ye esent?	ne) nriverine) ine) magery (B7	¥ Sa Bi Ad Hy On Pr Re 7)	otic Crust quatic Inverse rdrogen Si cidized Rh esence of ecent Iron her (Explain epth (inch epth (inch	(B12) ertebrates ulfide Od izospher Reducei Reductic ain in Rer ees): ees): ees):	lor (C1) res along I d Iron (C4 on in Plow marks)) ed Soils (0	Seco	ndary Indicators (2 or more required) Nater 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)
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Project/Site: CONMUNICA				no county Sampling Date: 6/7/24
Applicant/Owner: LS POWE				State: CA Sampling Point: SP-2
Investigator(s): Kara Buch, Victor Yelramone	our	Section, T	ownship, Ra	inge: 500 T3N 1216
andform (hillslope, terrace, etc.):		Local reli	ef (concave,	convex, none): fiat Slope (%): 0
Subregion (LRR): LPRC	_ Lat: _38	.079	740	Long: -121.839122 Datum: MADS
Soil Map Unit Name: Tamba mocky clay				NWI classification: RHSBA
Are climatic / hydrologic conditions on the site typical for thi	s time of ye	ar? Yes_	X No_	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology s	significantly	disturbed'	? Are	"Normal Circumstances" present? Yes No
re Vegetation, Soil, or Hydrology	naturally pro	blematic?	(If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing	sampli	ng point l	ocations, transects, important features, etc
Hydrophytic Vegetation Present? Yes N		la d	the Sampled	1 Area
Hydric Soil Present? Yes N	0			nd? Yes No
Wetland Hydrology Present? Yes N Remarks:				
Slightly higher crevation grassy area	bet wee	~ W-	14 ans 1	~-\ <u>-</u>
	Absolute	Dominar	nt Indicator	Dominance Test worksheet:
ree Stratum (Use scientific names.) (=30	% Cover	Species	? Status	Number of Dominant Species
				That Are OBL, FACW, or FAC:(A)
				Total Number of Dominant
				Species Across All Strata: (B)
Total Cover	8			Percent of Dominant Species That Are OBL, FACW, or FAC: [A/]
apling/Shrub Stratum (=13	/			
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
				OBL species x 1 =
		_		FACW species x 2 =
Total Cover	2	-		FAC species x 3 =
rb Stratum CS Total Covers	,			FACU species x 4 =
Futura Perennis	30	Y	FAC	UPL species x 5 = Column Totals: (A) (
Bromw Madrikous	45	y	UPL	Column Totals (A) (
Brons hadeauos	60	Ý	FAC U	Prevalence Index = B/A =
Francisic Salina	1	N	OBL	Hydrophytic Vegetation Indicators:
Salitania quitin		7	FACW	Dominance Test is >50%
Tua axivaris	1	N	FACU	Prevalence Index is ≤3.01
				Morphological Adaptations¹ (Provide supporting
				data in Remarks or on a separate sheet)
Total Cover:				Problematic Hydrophytic Vegetation ¹ (Explain)
ody Vine Stratum (=15)				
				¹ Indicators of hydric soil and wetland hydrology mus be present.
Total Cover:	66			Hudranhutic
a	,		(Hydrophytic Vegetation
oro Cround in Llosh Charterns (1)	of Biotic Cru	ist		Present? Yes No
are Ground in Herb Stratum				

Depth Matrix (inches) Color (moist) %	Color (moist)	Feature:	Type ¹	_Loc ²	Texture	Remarks
U-9.5 2.5 y 3/1 99	7.5 YR 3/4		C	M	SIC	
		-				
15-16 254 4/1 70 2.57 2.5/1 25	7.5 4 12 3/4					
Type: C=Concentration, D=Depletion, Flydric Soil Indicators: (Applicable to 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) estrictive Layer (if present):	all LRRs, unless other Sandy Redo Stripped Ma Loamy Muc Loamy Gley Depleted Ma	ox (S5) atrix (S6) ky Minera red Matrix atrix (F3) a Surface ark Surfa ressions	al (F1) x (F2) (F6) ce (F7)	ore Lining,	Indicato 1 cn 2 cn Red Red Oth	annel, M=Matrix. ors for Problematic Hydric Soils³: on Muck (A9) (LRR C) on Muck (A10) (LRR B) duced Vertic (F18) I Parent Material (TF2) er (Explain in Remarks) ors of hydrophytic vegetation and and hydrology must be present.
Type: <u>none</u> to 2011						\/
Type: None to 2011 Depth (inches):					Hydric S	soil Present? Yes No
Type: Nore to 20" Depth (inches): Dept	sufficient) Salt Crus: Biotic Cru Aquatic Ir Hydroger ne) Oxidized Presence Recent Ir	nvertebra n Sulfide Rhizospl of Redu	Odor (C1 heres alo iced Iron ction in P) ng Living (C4) Plowed So	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type:	sufficient) Salt Crus: Biotic Cru Aquatic Ir Hydroger ne) Oxidized Presence Recent Ir	nvertebra n Sulfide Rhizospl of Redu	Odor (C1 heres alo iced Iron ction in P) ng Living (C4) Plowed So	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) Thin Muck Surface (C7)
Depth (inches): Depth (inches): Depth (inches): Demarks: PROLOGY Vetland Hydrology Indicators: Irimary Indicators (any one indicator is 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 Imager Water-Stained Leaves (B9) Veter North Proceedings (B9) Veter North Proceedings (B9)	sufficient) Salt Crus Biotic Cru Aquatic Ir Hydroger ne) Oxidized Presence Recent Ir y (B7) Other (Ex	ust (B12) nvertebra n Sulfide Rhizospl e of Redu on Redu kplain in	Odor (C1 heres alo iced Iron ction in P Remarks) ng Living (C4) Plowed So	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches): Remarks: POROLOGY Wetland Hydrology Indicators: Irimary Indicators (any one indicator is 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 Imager Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes	sufficient) Salt Crus Biotic Cru Aquatic Ir Hydroger ne) Oxidized Presence Recent Ir y (B7) Other (Ex	ust (B12) nvertebra n Sulfide Rhizospi e of Redu on Redu kplain in	Odor (C1 heres alo iced Iron ction in P Remarks	ng Living (C4) Plowed So	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Type:	sufficient) Salt Crus Biotic Cru Aquatic Ir Hydroger ne) Oxidized Presence Recent Ir y (B7) Other (Ex) No Depth (i) No Depth (i) No Depth (i)	ust (B12) nvertebra n Sulfide Rhizospl e of Redu on Redu cplain in nches): _ nches): _	Odor (C1 heres alo iced Iron ction in P Remarks	ng Living (C4) Plowed So	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	sufficient) Salt Crus Biotic Cru Aquatic Ir Hydroger ne) Oxidized Presence Recent Ir y (B7) Other (Ex) No Depth (i) No Depth (i) No Depth (i)	ust (B12) nvertebra n Sulfide Rhizospl e of Redu on Redu cplain in nches): _ nches): _	Odor (C1 heres alo iced Iron ction in P Remarks	ng Living (C4) Plowed So	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) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

	ERMINATION DATA FOR	
Project/Site:Collins VIIIC	City/County:	Sampling Date: 6/7/24
Applicant/Owner: L5 Porce		State: Sampling Point: Sp-1
Investigator(s): New york	Section, Township	p, Range: S23 T3N RIE
Landform (hillslope, terrace, etc.): + nestope	Local relief (conc	ave, convex, none): Slope (%):
Subregion (LRR): LFR C	Lat: 38, 082693	Long: -121 · 83765 4 Datum: NAD83
Soil Map Unit Name: Tamba Micha Clay		NWI classification: RYSBA
Are climatic / hydrologic conditions on the site typical for		
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 ma	ap showing sampling po	int locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Yes Yes	No	mpled Area Netland? Yes No
Remarks:		
/EGETATION		
Tree Stratum (Use scientific names.)	Absolute Dominant India	
Tree Stratum (Use scientific names.) 1	% Cover Species? Sta	Number of Bornmant openies
2 3		Total Number of Dominant Species Across All Strata: (B)
4	cover:	Percent of Dominant Species
Sapling/Shrub Stratum	over	matric obe, more, since
1		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		
4		
5		FAC species x 3 =
Total C	Cover:&	FACU species x 4 =
Herb Stratum P > 5	- N F	UPL species x 5 =
1. Polylogen monspelensis	754	Column Totals: (A) (B)
2. Spergelesia monthe		
3. Junear banfonins		
4. Distichlis spicata		Hydrophytic Vegetation Indicators: XDominance Test is >50%
5		
6		Prevalence Index is ≤3.0¹
7		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8		Problematic Hydrophytic Vegetation (Explain)
	Cover: <u>75</u>	i iobiditatio i ijaiopiijao vogotation (Explain)
Woody Vine Stratum 1		¹ Indicators of hydric soil and wetland hydrology must be present.
2		
	Cover:C	Hydrophytic Vegetation Present? Yes No
	OUVER OF BIOLIC OF USL	Tresenti 165 V No
Remarks:		

Sampling Point: 5p-1

Tomo Description. (Describe	to the dep	th needed to doci	ument the	indicator	or commi	II the absence	or maioators.	
Depth Matrix			lox Feature		1.002	Texture		Remarks
(inches) Color (moist)	%	Color (moist)	%	Type	Loc	Texture		rtomanto
0-7 7.54 5/1	99	7.5 YR 3/	4 \	-	M	CI	Redox	Concretion
7-16 10 Y/R 4/3	100					5:01		
	_				_			
Type: C=Concentration, D=Dep					e Lining, F	RC=Root Chan	nel, M=Matrix.	tic Hydric Soils³:
Hydric Soil Indicators: (Applic	able to all			ed.)			Muck (A9) (LRF	
Histosol (A1)		Sandy Re				1 cm /	Muck (A9) (LKF	R B)
Histic Epipedon (A2)		Stripped N		1/54)		Z CIIII	ced Vertic (F18)	1
Black Histic (A3) Hydrogen Sulfide (A4)		Loamy Mu	eyed Matrix			Red P	arent Material	(TF2)
Stratified Layers (A5) (LRR (~)	✓ Depleted		(12)		Other	(Explain in Rer	narks)
1 cm Muck (A9) (LRR D)	-,	Redox Da		(F6)		_ 001	(V-10-10-10-10-10-10-10-10-10-10-10-10-10-
Depleted Below Dark Surfac	e (A11)		Dark Surface					
_ Thick Dark Surface (A12)	C (A11)		pressions (
Sandy Mucky Mineral (S1)		Vernal Po		10)		3Indicators	of hydrophytic	vegetation and
_ Sandy Gleyed Matrix (S4)		voillair o	010 (1 0)				hydrology mu	
Restrictive Layer (if present):						-		
Type: nane to 2011								
Depth (inches):						Undria Call	Procent2 V	es No
Remarks:						Hydric Soil	rieseitt	
						Hydric Soil	Fieseit:	
YDROLOGY								
YDROLOGY Vetland Hydrology Indicators:	1200					Secon	ndary Indicator	s (2 or more required)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indic	1200	icient)	4 (P44)			<u>Secoi</u> V	ndary Indicator Vater Marks (B	s (2 or more required) 1) (Riverine)
/DROLOGY /etland Hydrology Indicators: rimary Indicators (any one indic _ Surface Water (A1)	1200	icient) X_ Salt Crus				<u>Seco</u> V S	ndary Indicator Vater Marks (B Sediment Depo	s (2 or more required) 1) (Riverine) sits (B2) (Riverine)
POROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indic Surface Water (A1) High Water Table (A2)	1200	icient) Salt Crus Biotic Cr	ust (B12)			Secon	ndary Indicator Vater Marks (B Sediment Depos Drift Deposits (B	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 33) (Riverine)
/DROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indic Surface Water (A1)	1200	icient) Salt Crus Biotic Cr Aquatic I	ust (B12) nvertebrate			Secon V S C	ndary Indicator Vater Marks (B Sediment Depos Orift Deposits (E Orainage Patter	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 33) (Riverine) ns (B10)
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indic _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) (Nonriver	ator is suffi	icient) Salt Crus Biotic Crus Aquatic I Hydroge	ust (B12) nvertebrate n Sulfide O	dor (C1)		Secon V S C C C C	ndary Indicator Vater Marks (B Sediment Depos Orift Deposits (B Orainage Patter Ory-Season Wa	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine) ns (B10) ter Table (C2)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3)	ator is suffi	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized	ust (B12) Invertebrate In Sulfide O Rhizosphe	dor (C1) eres along		Secon V S C C C C	ndary Indicator Vater Marks (B Sediment Depos Orift Deposits (E Orainage Patter	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine) ns (B10) ter Table (C2)
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indic Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver Sediment Deposits (B2) (Nonriver)	ator is suffi ine) nriverine)	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence	ust (B12) invertebrate in Sulfide O Rhizosphe e of Reduce	dor (C1) eres along ed Iron (C	4)	Secon	ndary Indicator Vater Marks (B Sediment Depos Orift Deposits (B Orainage Patter Ory-Season Wa	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) B3) (Riverine) ns (B10) ter Table (C2) ace (C7)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indic Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver Sediment Deposits (B2) (Nonriver)	ator is suffi ine) nriverine)	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence	ust (B12) Invertebrate In Sulfide O Rhizosphe	dor (C1) eres along ed Iron (C	4)	Secon V V V V V V V V V V V V V V V V V V V	ndary Indicator Vater Marks (B Sediment Depos Orift Deposits (B Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 33) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Nonriver)	ator is suffi ine) nriverine)	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent I	ust (B12) invertebrate in Sulfide O Rhizosphe e of Reduce	dor (C1) eres along ed Iron (Co ion in Ploy	4)	Secon	ndary Indicator Vater Marks (B Sediment Depos Orift Deposits (B Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (CS
Vetland Hydrology Indicators: Irimary Indicators (any one indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Noncontrol (B2)) Drift Deposits (B3) (Nonriver) Surface Soil Cracks (B6)	ator is suffi ine) nriverine)	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent I	ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduct ron Reduct	dor (C1) eres along ed Iron (Co ion in Ploy	4)	Secon	ndary Indicator Vater Marks (B Sediment Deposits (E Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 33) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (CS
YDROLOGY Vetland Hydrology Indicators: Vrimary Indicators (any one indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrivery (B2) (Nonrivery (B3) (Nonrivery	ator is suffi ine) nriverine)	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent I	ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduct ron Reduct	dor (C1) eres along ed Iron (Co ion in Ploy	4)	Secon	ndary Indicator Vater Marks (B Sediment Deposits (E Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 33) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (CS
Vetland Hydrology Indicators: rimary Indicators (any one indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Non- Drift Deposits (B3) (Nonriver) Surface Soil Cracks (B6) Inundation Visible on Aerial I Water-Stained Leaves (B9) ield Observations:	ator is suffi ine) nriverine) rine) magery (B	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent I	ust (B12) Invertebrate In Sulfide O Rhizosphe In Grant Reduct In Reduct	dor (C1) eres along ed Iron (C- ion in Plov emarks)	4) ved Soils (Secon	ndary Indicator Vater Marks (B Sediment Deposits (E Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 33) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (CS
Vetland Hydrology Indicators: Primary Indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Non- Drift Deposits (B3) (Nonriver) Surface Soil Cracks (B6) Inundation Visible on Aerial I Water-Stained Leaves (B9) ield Observations: urface Water Present?	ator is suffi ine) nriverine) rine) magery (B	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II 7) Other (E	ust (B12) Invertebrate In Sulfide O Rhizosphe In Grand Reduct In Reduct	dor (C1) eres along ed Iron (C- ion in Plov emarks)	4) ved Soils (Secon	ndary Indicator Vater Marks (B Sediment Deposits (E Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 33) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (CS
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Nonriver) Sediment Deposits (B3) (Nonriver) Surface Soil Cracks (B6) Inundation Visible on Aerial I Water-Stained Leaves (B9) Veter Table Present? Vater Table Present? Vater Table Present?	ator is suffi	icient) Salt Crus Biotic Cr Aquatic I Oxidized Presence Recent II Other (E	ust (B12) Invertebrate In Sulfide O Rhizosphe In Green Reduct In Reduct Inches): Inches):	dor (C1) eres along ed Iron (C- ion in Plov emarks)	4) wed Soils (Secon	ndary Indicator Vater Marks (B Sediment Deposits (B Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 33) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (C9 d (D3)
Primary Indicators (any one indicators: Primary Indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Non- Drift Deposits (B3) (Nonriver) Surface Soil Cracks (B6) Inundation Visible on Aerial I Water-Stained Leaves (B9) Field Observations: Surface Water Present? Vater Table Present? Vater Table Present? Vater Table Present? Vater Table Present?	ator is suffi	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (E	ust (B12) Invertebrate In Sulfide O Rhizosphe In Grand Reduct In Reduct Inches): Inches	dor (C1) eres along ed Iron (C- ion in Plov emarks)	4) wed Soils (Secon V S C C C C C C C C C C S F F F F F I and Hydrolog	ndary Indicator Vater Marks (B Sediment Deposits (E Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (C9 d (D3) st (D5)
Primary Indicators (any one indicators: Primary Indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Nonionical Indicators) Surface Soil Cracks (B6) Inundation Visible on Aerial Indicators Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Vater Table Present? Saturation Present? Vater Table Present? Vater Table Present? Saturation Present? Vater Table Present? Saturation Present? Secribe Recorded Data (stream)	ator is suffi	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (E	ust (B12) Invertebrate In Sulfide O Rhizosphe In Grand Reduct In Reduct Inches): Inches	dor (C1) eres along ed Iron (C- ion in Plov emarks)	4) wed Soils (Secon V S C C C C C C C C C C S F F F F F I and Hydrolog	ndary Indicator Vater Marks (B Sediment Deposits (E Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (C9 d (D3) st (D5)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver Sediment Deposits (B2) (Nonriver Drift Deposits (B3) (Nonriver Surface Soil Cracks (B6) Inundation Visible on Aerial I Water-Stained Leaves (B9) Field Observations: Surface Water Present? Vater Table Present?	ator is suffi	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (E	ust (B12) Invertebrate In Sulfide O Rhizosphe In Grand Reduct In Reduct Inches): Inches	dor (C1) eres along ed Iron (C- ion in Plov emarks)	4) wed Soils (Secon V S C C C C C C C C C C S F F F F F I and Hydrolog	ndary Indicator Vater Marks (B Sediment Deposits (E Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (C9 d (D3) st (D5)
Primary Indicators (any one indicators: Primary Indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Non- Drift Deposits (B3) (Nonriver) Surface Soil Cracks (B6) Inundation Visible on Aerial I Water-Stained Leaves (B9) Field Observations: Surface Water Present? Vater Table Present?	ator is suffi	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (E	ust (B12) Invertebrate In Sulfide O Rhizosphe In Grand Reduct In Reduct Inches): Inches	dor (C1) eres along ed Iron (C- ion in Plov emarks)	4) wed Soils (Secon V S C C C C C C C C C C S F F F F F I and Hydrolog	ndary Indicator Vater Marks (B Sediment Deposits (E Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (CS d (D3) st (D5)
Primary Indicators (any one indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Non- Drift Deposits (B3) (Nonriver) Surface Soil Cracks (B6) Inundation Visible on Aerial I Water-Stained Leaves (B9) Field Observations: Surface Water Present? Vater Table Present?	ator is suffi	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (E	ust (B12) Invertebrate In Sulfide O Rhizosphe In Grand Reduct In Reduct Inches): Inches	dor (C1) eres along ed Iron (C- ion in Plov emarks)	4) wed Soils (Secon V S C C C C C C C C C C S F F F F F I and Hydrolog	ndary Indicator Vater Marks (B Sediment Deposits (E Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (C9 d (D3) st (D5)
Vetland Hydrology Indicators: Primary Indicators (any one indicators) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Non- Drift Deposits (B3) (Nonriver) Surface Soil Cracks (B6) Inundation Visible on Aerial I Water-Stained Leaves (B9) Veter Table Present? Veter	ator is suffi	icient) Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (E	ust (B12) Invertebrate In Sulfide O Rhizosphe In Grand Reduct In Reduct Inches): Inches	dor (C1) eres along ed Iron (C- ion in Plov emarks)	4) wed Soils (Secon V S C C C C C C C C C C S F F F F F I and Hydrolog	ndary Indicator Vater Marks (B Sediment Deposits (E Orainage Patter Ory-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	s (2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine) ns (B10) ter Table (C2) ace (C7) s (C8) le on Aerial Imagery (C9 d (D3) st (D5)

WETLAND DETER	MINATIO	ON DATA	FORM -	- Arid West Region
Project/Site: _COI\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		City/County:	Solum	O County Sampling Date: 6/1/24
Applicant/Owner: LS Poul				State: Sampling Point: SP-2
Investigator(s): Kucea Buch Victoria Yetrona	nkova :	Section, To	wnship, Rai	nge: 523 T3V RIE
Landform (hillslope, terrace, etc.): Footslope		Local relief	(concave,	convex, none): <u>\$100</u> Slope (%):
Subregion (LRR): LPLC	Lat: 38	. 0826	66	Long: -121.837785 Datum: NAD83
Soil Map Unit Name: Diablo-Ayar clay 2-	9% 51	opes		NWI classification: NV A
Are climatic / hydrologic conditions on the site typical for this	time of year	ar? Yes	X No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signs of the state of the stat			Are "	'Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology na				eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s				
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No No No No		ls th	e Sampled in a Wetlar	I Area nd? Yes No
Wetland Hydrology Present? Yes No Remarks:				
VEGETATION				
	Absolute	Dominant Species?		Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant Species Across All Strata: (B)
3				Species Across All Strata: (B)
4	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 =
Total Cover:	O_			FACU species x 4 =
Herb Stratum 7=5	15	ΛΙ.	FACW	UPL species x 5 =
1. Frankenia Salina			FACW	Column Totals: (A) (B)
2. Junes baldies	25	-	FAC	Prevalence Index = B/A =
3. Distichio spicata 4. Bromo madritasis	5	7	UPL	Hydrophytic Vegetation Indicators:
S				_X Dominance Test is >50%
5		- (Prevalence Index is ≤3.0¹
6 7				Morphological Adaptations ¹ (Provide supporting
8.				data in Remarks or on a separate sheet)
Woody Vine Stratum 10×15 Total Cover:	125			Problematic Hydrophytic Vegetation ¹ (Explain)
1				¹ Indicators of hydric soil and wetland hydrology must be present.
2				Post time and the second
Total Cover: % Bare Ground in Herb Stratum % Cover of		rustO		Hydrophytic Vegetation Present? Yes No
70 Baro Ground III Flore Gratain.	o, Diotio Oi			
Remarks:				

c	_	11	
o	u	ш	

Sampling Point: 50-2

		to the dept	h needed to docu			01 001111111	Tire about	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Feature	S Type ¹	Loc2	Texture	Remarks
	Color (Inoist)		Coloi (moist)		_Type_	LUC	TOXIGIO	
62	10412 2/1	Im					10	0 ======
0-5	10/10	140					10	
· 45	- (1.11.						-	
3-0.5	2.54 9/1	100					Sala	2
9.5-16	2.5 y 3/1	100					Sicl	
	-, -							
Type: C=C	oncentration, D=Dep	letion PM=I	Peduced Matrix	2l ocation	· DI =Por	Lining P	C=Poot Chr	annel M=Matrix
	Indicators: (Applic					E Lilling, IN	Indicato	ors for Problematic Hydric Soils ³ :
Histosol			Sandy Red		,			n Muck (A9) (LRR C)
	pipedon (A2)		Stripped N					n Muck (A10) (LRR B)
Black Hi			Loamy Mu		I (F1)		Red	uced Vertic (F18)
Hydroge	en Sulfide (A4)		Loamy Gle				Red	Parent Material (TF2)
	d Layers (A5) (LRR	C)	Depleted I					er (Explain in Remarks)
	ick (A9) (LRR D)		Redox Da	Contraction of the said	(F6)			
	d Below Dark Surfac	e (A11)		Dark Surfac				
	ark Surface (A12)			pressions (F8)			
	fucky Mineral (S1)		Vernal Po	ols (F9)				rs of hydrophytic vegetation and
	Bleyed Matrix (S4)						wetla	nd hydrology must be present.
	Layer (if present):							
			-					<u></u>
Depth (inc	ches):							oil Present? Yes No
Remarks:							Hydric So	
	GY						Hydric So	
/DROLO								
YDROLO	drology Indicators:		ent)				Sec	condary Indicators (2 or more required)
YDROLOG Vetland Hyd Irimary Indic	drology Indicators: ators (any one indic			+ /041)			Sec	condary Indicators (2 or more required) Water Marks (B1) (Riverine)
/DROLO(Vetland Hydrimary Indic _ Surface \(\)	drology Indicators: ators (any one indic Water (A1)		Salt Crus				Sec	condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
POROLOGY Wetland Hydrimary Indice Surface Well High Wa	drology Indicators: ators (any one indic Water (A1) ter Table (A2)		Salt Crus	ıst (B12)	o (P12)		Sec	condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
YDROLO Vetland Hyd rimary Indic Surface V High Wa Saturatio	drology Indicators: eators (any one indic Water (A1) ter Table (A2) on (A3)	ator is suffici	Salt Crus Biotic Cru Aquatic Ir	ist (B12) nvertebrate			Sec	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
YDROLOG Vetland Hyd Vrimary Indice Surface V High Wa Saturation Water M	drology Indicators: eators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver	ator is suffici	Salt Crus Biotic Cru Aquatic Ir Hydroger	ist (B12) nvertebrate i Sulfide Od	lor (C1)		Sec	wondary 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)
YDROLOG Vetland Hyd Primary Indic Surface V High Wa Saturation Water Mi	drology Indicators: ators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (No	ator is suffici ine) nriverine)	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized	ist (B12) nvertebrate i Sulfide Od Rhizosphe	lor (C1) res along l		Sec — — — — — ts (C3)	wondary 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)
YDROLOG Vetland Hyd Primary Indic Surface V High Wa Saturatio Water Ma Sedimen Drift Dep	drology Indicators: eators (any one indicators) Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver) at Deposits (B2) (Nonciver)	ator is suffici ine) nriverine)	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence	ust (B12) nvertebrate I Sulfide Od Rhizosphei of Reduce	lor (C1) res along l d Iron (C4)	Sec 	wondary 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)
YDROLOG Vetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6)	ator is suffici ine) nriverine) rine)	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir	ust (B12) nvertebrate i Sulfide Od Rhizosphei of Reduce on Reduction	for (C1) res along l d Iron (C4 on in Plow)	Sec 	wondary 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)
YDROLOG Vetland Hyd Vetland Hyd Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface S	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I	ator is suffici ine) nriverine) rine)	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir	ust (B12) nvertebrate I Sulfide Od Rhizosphei of Reduce	for (C1) res along l d Iron (C4 on in Plow)	Sec 	wondary 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)
YDROLOG Vetland Hyd Vetland Hyd Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-St	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9)	ator is suffici ine) nriverine) rine)	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir	ust (B12) nvertebrate i Sulfide Od Rhizosphei of Reduce on Reduction	for (C1) res along l d Iron (C4 on in Plow)	Sec 	wondary 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)
YDROLOG Vetland Hyd Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-St ield Observ	drology Indicators: ators (any one indic Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations:	ator is suffici ine) nriverine) rine) magery (B7)	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ist (B12) nvertebrate: s Sulfide Oc Rhizosphei of Reduce on Reduction	for (C1) res along l d Iron (C4 on in Plow)	Sec 	wondary 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)
YDROLOG Vetland Hyd Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-St Gurface Water	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver cosits (B3) (Nonriver cosits (B3) (Nonriver cosits (B6) on Visible on Aerial I tained Leaves (B9) vations:	ator is suffici	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ast (B12) avertebrate a Sulfide Oc Rhizospher of Reduce on Reduction plain in Re	dor (C1) res along l d Iron (C4 on in Plow marks)) ed Soils (C	Sec 	wondary 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)
YDROLOG Vetland Hyd Primary Indic Surface Water Many Sediment Drift Dep Surface Inundation Water-St ield Observator	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations:	ine) nriverine) rine) magery (B7) es No	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ist (B12) nvertebrate i Sulfide Oc Rhizosphei of Reduce on Reduction plain in Re	dor (C1) res along l d Iron (C4 on in Plow marks)) ed Soils (C	Sec 	wondary 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)
YDROLOG Vetland Hyd Vetland Hyd Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-St Vetland Observ Surface Water Vater Table Vater Table Vater Table Vater Interval Vater	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? Yesent? Yesent?	ator is suffici	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ast (B12) avertebrate a Sulfide Oc Rhizospher of Reduce on Reduction plain in Re	dor (C1) res along l d Iron (C4 on in Plow marks)	ed Soils (C	Sec	wondary 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)
YDROLOG Vetland Hyd Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface Surface V Surface Water Surface Water Table of Surface Caption Couldes cap	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? esent? villary fringe)	ine) nriverine) rine) magery (B7) es No	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ast (B12) avertebrate a Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	dor (C1) res along I d Iron (C4 on in Plow marks)	ed Soils (C	Sec 	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)
YDROLOG Vetland Hyd Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface Surface Water-St Field Observe Surface Water Table of Saturation Princludes cap	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver Soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? Yesent? Yesent?	ine) nriverine) rine) magery (B7) es No	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ast (B12) avertebrate a Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	dor (C1) res along I d Iron (C4 on in Plow marks)	ed Soils (C	Sec 	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)
Primary Indic Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-St Field Observ Surface Water Vater Table Is Saturation Princludes cap Describe Rec	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? esent? villary fringe)	ine) nriverine) rine) magery (B7) es No	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ast (B12) avertebrate a Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	dor (C1) res along I d Iron (C4 on in Plow marks)	ed Soils (C	Sec 	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)
YDROLOG Vetland Hyd Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface Surface V Surface Water Surface Water Table of Surface Caption Couldes cap	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? esent? villary fringe)	ine) nriverine) rine) magery (B7) es No	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ast (B12) avertebrate a Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	dor (C1) res along I d Iron (C4 on in Plow marks)	ed Soils (C	Sec 	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)
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Vetland Hydrimary Indice Surface Verimary Indice Water Means Saturation Water Means Sedimen Drift Dep Surface Sedimen Water-Stelle Observer Uniface Water Vater Table Indudes capeescribe Recommended	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? esent? villary fringe)	ine) nriverine) rine) magery (B7) es No	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ast (B12) avertebrate a Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	dor (C1) res along I d Iron (C4 on in Plow marks)	ed Soils (C	Sec 	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)
YDROLOG Vetland Hyd Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface V Inundatic Water-St Geld Observ Surface Water Vater Table Is saturation Pr Includes cap Describe Rec	drology Indicators: eators (any one indice Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriver at Deposits (B2) (Nonriver soil Cracks (B6) on Visible on Aerial I tained Leaves (B9) vations: er Present? Present? esent? villary fringe)	ine) nriverine) rine) magery (B7) es No	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ast (B12) avertebrate a Sulfide Oc Rhizospher of Reduce on Reduction plain in Re aches): aches):	dor (C1) res along I d Iron (C4 on in Plow marks)	ed Soils (C	Sec 	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	DETERMINATIO	N DATA	FORM -	Arid West Region
Project/Site: COII WVIIE	c	ity/County:	Solur	Sampling Date: 6/7/24
Applicant/Owner: LS POWE				State: Sampling Point: 39-3
nvestigator(s): Karen Buch, Victoria Y	etrennualas	ection, Tov	vnship, Ran	ge: S23 T3N RIE
				onvex, none): <u>\$1080</u> Slope (%): <u>\$</u>
				Long: -121.838206 Datum: NAD8:
Soil Map Unit Name: Tamba muchy c	lay			NWI classification: _ N/ A
Are climatic / hydrologic conditions on the site typic	al for this time of yea	r? Yes _x	o_ No_	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology _				Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology _			(If nee	eded, explain any answers in Remarks.)
				ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes	No No	Is th	e Sampled in a Wetlan	Area
Remarks:				
/EGETATION				
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.)	% Cover		CONTRACTOR SEASON	Number of Dominant Species That Are OBL, FACW, or FAC:
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4Sapling/Shrub Stratum 2 10 To	tal 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 = FAC species x 3 =
5	tal Cover:			FACU species x 4 =
Herb Stratum D = 5	tal Covel.			UPL species x 5 =
1. Disticules spicosa	18	_Y_	FAC	Column Totals: (A) (B)
2. Festuca Purennil			FAC	
3. Bromus multitensis	30	-4	utl	Prevalence Index = B/A =
4. Polypayon monspoling			FACW	Hydrophytic Vegetation Indicators:
5. Frankinia Selma			FACW	Dominance Test is >50%
6				Prevalence Index is ≤3.01
7				Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8		-	-	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum	tal Cover: 191			
1 2				¹ Indicators of hydric soil and wetland hydrology must be present.
То	tal Cover: 11-1			Hydrophytic
% Bare Ground in Herb Stratum		ruet de		Vegetation
70 Daie Giouliu III Helb Stratum	% Cover of Biotic C	rust 6		Present? Yes X No No
Remarks:	E 74 50 51 757 5155 517 5			

Type: C-Concentration, D-Depletion, RM=Reduced Matrix. Concentration	Depth	Matrix Color (moist)	%	Color /m		Feature %	Type ¹	Loc ²	Texture	Remarks
Comparison Com	(inches)	Color (moist)		Color (moist) % Type ¹ Loc ²					TEXILIE	Komarko
Type: C=Concentration, D=Depletion, RM=Reduced Matrix. Concentration	0-6	2.54 3/1	97	7.5 4/2	3/4	3	C	M	514	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix.	2-15	101/2 4/1	25	2.54	4/4	5				
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Histosol (A3) Black Histic (A3) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) The Chark Surface (A1) Depleted Matrix (F3) Depleted Matrix (F3) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Depleted Dark Surface (F6) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Secondary Indicators of hydrophytic vegetation and wetland hydrology must be present. Setrictive Layer (if present): Type: Depth (inches): Both (inches): Surface Water (A1) Surface Water (A1) Surface Water (A1) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Cdor (C1) Dry-Season Water Table (A2) Solfident Deposits (B2) (Nonriverine) Hydrogen Sulfide Cdor (C1) Dry-Season Water Table (C2) Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Reduced Vertic (F18) Reduced Vertic (F1		2.54 3/1	67	101/2	3/4	3		<u></u>	<u>S: CI</u>	
Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histo 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 Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Parent Pools (F9) Par								e Lining, R	C=Root Chan	nel, M=Matrix.
	Histosol Histic Ep Black Hi Hydroge Stratified	I (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) (LRR 0) uck (A9) (LRR D)	c)	Sar Stri Loa Dep Rec	ndy Redo pped Mat my Muck my Gleye bleted Ma dox Dark	x (S5) trix (S6) ty Minera ed Matrix ttrix (F3) Surface	(F1) (F2) (F6)		1 cm M 2 cm M Reduc Red Pa	Muck (A9) (LRR C) Muck (A10) (LRR B) ed Vertic (F18) arent Material (TF2)
Type:	_ Thick Da _ Sandy M	ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4)	e (A11)	Rec	dox Depre	essions ([1] - (1) [1] - (1) - (
tetland Hydrology Indicators: imary Indicators (any one indicator is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Riverine) Biotic Crust (B12) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Sediment Deposits (B3) (Riverine) Presence of Reduced Iron (C4) Infin Muck Surface (C7) Infin Muck Surface (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Water-Stained Leaves (B9) Pet Moser Water Present? Wetland Hydrology Present? Yes No Depth (inches): Inturation Present? Yes No Depth (inches): Inturation Present? Yes No Depth (inches): Inturation Present? Yes No Depth (inches): Inturation Present? Yes No Depth (inches): Intu	estrictive I				•					
Water Marks (B1) (Riverine)	estrictive I Type: Depth (inc emarks:	ches):			•				Hydric Soil	Present? Yes No No
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Riverine) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Sediment Deposits (B3) (Riverine) Prosenson Water Table (C2) Oxidized Rhizospheres along Living Roots (C3) Drift Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Saturation Visible on Aerial Imagery (C3) Water-Stained Leaves (B9) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Depth (inches): Saturation Present? Yes No Depth (inches): Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B10) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C4) Saturation Visible on Aerial Imagery (C4) Shallow Aquitard (D3) FAC-Neutral Test (D5) Saturation Present? Yes No Depth (inches): Sa	Type:	ches):		_						
urface Water Present? Yes No Depth (inches): /ater Table Present? Yes No Depth (inches):	Type: Depth (included) temarks:	GY drology Indicators:							Secon	dary Indicators (2 or more required)
rater Table Present? Yes No Depth (inches): aturation Present? Yes No Depth (inches): includes capillary fringe) Wetland Hydrology Present? Yes No	Type: Depth (inc emarks: /DROLOG /etland Hyc rimary Indic Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-St	GY drology Indicators: cators (any one indicators) water (A1) on (A3) larks (B1) (Nonriver) on to Deposits (B2) (Nonriver) cosits (B3) (Nonriver) Soil Cracks (B6) on Visible on Aerial II tained Leaves (B9)	ator is suffi ne) nriverine) ine)		otic Crust quatic Inve drogen S didized Rh esence of cent Iron	(B12) ertebrate fulfide Od nizospher f Reduce Reduction	dor (C1) res along I d Iron (C4 on in Plow)	Secon W Secon Di Di Di Secon Th Ci Ci General Secon Secon Th Ci General Secon Seco	dary Indicators (2 or more required) rater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) raallow Aquitard (D3)
ncludes capillary fringe)	Property of the control of the contr	GY drology Indicators: cators (any one indic Water (A1) tter Table (A2) on (A3) arks (B1) (Nonriver ot Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial II tained Leaves (B9) vations:	ne) nriverine) ine) magery (B7		otic Crust quatic Inve drogen S didized Rh esence of cent Iron her (Expla	(B12) ertebrates sulfide Oc nizospher f Reduce Reduction	dor (C1) res along I d Iron (C4 on in Plow marks))	Secon W Secon Di Di Di Secon Th Ci Ci General Secon Secon Th Ci General Secon Seco	dary Indicators (2 or more required) rater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rin Muck Surface (C7) rayfish Burrows (C8) raturation Visible on Aerial Imagery (C9) raallow Aquitard (D3)
	Pestrictive I Type: Depth (inc demarks: POROLOG Vetland Hyd rimary Indic Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-St ield Observ urface Water Vater Table I	GY drology Indicators: cators (any one indicators) water (A1) on (A3) larks (B1) (Nonriver) on to Deposits (B2) (Nonriver) soil Cracks (B6) on Visible on Aerial II tained Leaves (B9) vations: er Present? Ye	ne) nriverine) ine) magery (B7	cient) Sa Bio Aq Hy Ox Pre Cott	otic Crust druatic Invertored Invertored Researce of decent Iron ther (Explainment	(B12) ertebrate: culfide Oc nizospher f Reduce: Reduction ain in Recurse: nes): nes):	dor (C1) res along I d Iron (C4 on in Plow marks)) ed Soils (C	Secon W Secon Di Di Secon Ci Secon Ci Secon Secon Ci Secon	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) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) nallow Aquitard (D3) AC-Neutral Test (D5)
emarks:	Type: Depth (inc Remarks: YDROLO Vetland Hyo Vetland Hyo Vetland Hyo Surface V High Wa Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-St ield Observ urface Water Vater Table I aturation Princludes cap	GY drology Indicators: cators (any one indicators) water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver) at Deposits (B2) (Nonriver) boosits (B3) (Nonriver) cosits (B3) (Nonriver) cosits (B6) on Visible on Aerial II tained Leaves (B9) vations: er Present? Present? viewent? viewent.	ne) nriverine) ine) magery (B7	cient) Sa Bio Aq Hy Ox Pre Re 7) Oth	otic Crust uatic Invertore S drogen S dridized R esence of cent Iron her (Explain epth (inchepth	(B12) ertebrate culfide Oc nizospher f Reduce Reduction ain in Recurse nes): nes):	dor (C1) res along I d Iron (C4 on in Plow marks)	ed Soils (C	Secon W Secon Di	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) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) nallow Aquitard (D3) AC-Neutral Test (D5)

NVI classification: NoNE No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.)
State:
nip, Range
Nove Slope (%): O
NVII classification: No.E. No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) point locations, transects, important features, etc. mpled Area Wetland? Yes No Cator Number of Dominant Species That Are OBL, FACW, or FAC: Z (A) Total Number of Dominant
No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) point locations, transects, important features, etc. mpled Area Wetland? Yes No Cator Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Z (A) Total Number of Dominant 2
No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) pint locations, transects, important features, etc. mpled Area Wetland? Yes No Cator Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Z (A) Total Number of Dominant
Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) point locations, transects, important features, etc. mpled Area Wetland? Yes No Cator Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Z (A) Total Number of Dominant 2
cator Number of Dominant Species That Are OBL, FACW, or FAC: (If needed, explain any answers in Remarks.) No No Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Z (A) Total Number of Dominant Z
mpled Area Wetland? Yes No Cator Number of Dominant Species That Are OBL, FACW, or FAC: Z (A) Total Number of Dominant 2
mpled Area Wetland? Yes No
Cator Number of Dominant Species That Are OBL, FACW, or FAC: Z (A) Total Number of Dominant 2
cator Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Z (A) Total Number of Dominant 2
Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Z (A)
Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Z (A)
Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Z (A)
Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Z (A)
Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Z (A)
Number of Dominant Species That Are OBL, FACW, or FAC: Z (A) Total Number of Dominant
That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant
Total Number of Dominant
Species Across All Strata:
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 2(A/B)
That Are OBL, FACW, or FAC: 100 6(A/B)
Prevalence Index worksheet:
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) (B)
AC .
Prevalence Index = B/A =
Hydrophytic Vegetation Indicators:
Z Dominance Test is >50%
Prevalence Index is ≤3.01 Morphological Adaptations (Provide supporting
Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
Problematic Hydrophytic Vegetation ¹ (Explain)
¹ Indicators of hydric soil and wetland hydrology must
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
be present, unless disturbed or problematic. Hydrophytic
be present, unless disturbed or problematic.

SOII

Depth Matrix (inches) Color (moist)	. 4 1 -	Color (moist)	dox Feature:	Type	Loc2	Texture	Remarks
9-60 10YR 3/2	95 5	YRA16	_15	_C_	_W	Chi	
0-11- 7.5 YR 4/1	97 5	YR 4/6	3	C	M	Q.	
1-15 7.5YK 3/1	100			_		CA	
Type: C=Concentration, D=Deple					ed Sand G		cation: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applical				ed.)			s for Problematic Hydric Soils ³ :
Histosol (A1) Histic Epipedon (A2)		Sandy Re					Muck (A9) (LRR C)
Black Histic (A3)		Stripped Loamy M	ucky Minera	(F1)			Muck (A10) (LRR B) ced Vertic (F18)
Hydrogen Sulfide (A4)			leyed Matrix			The state of the s	Parent Material (TF2)
_ Stratified Layers (A5) (LRR C)		Depleted	Matrix (F3)				(Explain in Remarks)
1 cm Muck (A9) (LRR D)		Redox Da					
Depleted Below Dark Surface Thick Dark Surface (A12)	(A11)		Dark Surfac			31-4:1	
Sandy Mucky Mineral (S1)		Vernal Po	epressions (Fools (F9)	-0)			of hydrophytic vegetation and hydrology must be present,
Sandy Gleyed Matrix (S4)							disturbed or problematic.
							The state of the s
destrictive Layer (if present):					6		a.F.
Type:					6		WHO :
Type: Depth (inches):	UHO Ephen	neral SI Ic layor	tuam /	Piver	6	Hydric Soi	I Present? Yes No
Type:	The Ephen In da	neral SI Ic layon	tuam /	Piver	6	Hydric Soi	I Present? Yes No
Type:				Piver	6	Hydric Soi	I Present? Yes No
Type				Piver	6		I Present? Yes No
Type:		eck all that ap	oply) est (B11)	Piver	6	Seco	
Type:		eck all that ap Salt Cru Biotic C	oply) est (B11) rust (B12)		6	Seco	indary Indicators (2 or more required)
Type:	e required; cho	eck all that ap Salt Cru Biotic Co Aquatic	oply) est (B11) rust (B12) Invertebrate:	s (B13)	6	Seco	andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type:	e required; che	eck all that ap Salt Cru Biotic Co Aquatic Hydroge	oply) est (B11) rust (B12) Invertebrate	s (B13) dor (C1)	6	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type	e required; che	eck all that ap Salt Cru Biotic Cru Aquatic Hydroge Oxidized	oply) est (B11) rust (B12) Invertebrate en Sulfide Oc d Rhizosphe	s (B13) dor (C1) res along		Seco \ \ \ oots (C3) \text{I	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2)
Type	e required; che	eck all that ap Salt Cru Biotic Ci Aquatic Hydroge Oxidized Presence	oply) sst (B11) rust (B12) Invertebrate en Sulfide Oc d Rhizospher se of Reduce	s (B13) dor (C1) res along d Iron (C4	4)	Seco	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) Crayfish Burrows (C8)
Type:	e required; che	eck all that ap Salt Cru Biotic Co Aquatic Hydroge Oxidized Presenc	oply) sst (B11) rust (B12) Invertebrates en Sulfide Oc d Rhizospher ee of Reduce	s (B13) dor (C1) res along d Iron (C4 on in Tille	4)	Seco	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type:	e required; che	eck all that ap Salt Cru Biotic Ci Aquatic Hydroge Oxidized Presend Recent	oply) st (B11) rust (B12) Invertebrate en Sulfide Oc d Rhizospher ee of Reduce Iron Reduction	s (B13) dor (C1) res along d Iron (C4 on in Tille C7)	4)	Seco - ' - ' - ' - ' - ' - ' - ' - ' - ' -	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Type	e required; che	eck all that ap Salt Cru Biotic Ci Aquatic Hydroge Oxidized Presend Recent	oply) sst (B11) rust (B12) Invertebrates en Sulfide Oc d Rhizospher ee of Reduce	s (B13) dor (C1) res along d Iron (C4 on in Tille C7)	4)	Seco - ' - ' - ' - ' - ' - ' - ' - ' - ' -	Andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverin Sediment Deposits (B2) (Nonriverin Diff Deposits (B3) (Nonriverin Surface Soil Cracks (B6) Inundation Visible on Aerial Im Water-Stained Leaves (B9)	e required; che	eck all that ap Salt Cru Biotic Co Aquatic Hydroge Oxidized Presend Recent I Thin Mu Other (E	oply) st (B11) rust (B12) Invertebrate en Sulfide Oc d Rhizospher e of Reduce fron Reduction ck Surface (external in Re	s (B13) dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (C	Seco - ' - ' - ' - ' - ' - ' - ' - ' - ' -	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Type	e required; che ne) riverine) ne) nagery (B7)	eck all that ap Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent Thin Mu Other (E	pply) set (B11) rust (B12) Invertebrate en Sulfide Oc d Rhizospher ee of Reduce fron Reduction ck Surface (explain in Re	s (B13) dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (C	Seco - ' - ' - ' - ' - ' - ' - ' - ' - ' -	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Type: Depth (inches): Remarks Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverin Sediment Deposits (B2) (Nonriverin Surface Soil Cracks (B6) Inundation Visible on Aerial Im Water-Stained Leaves (B9) Relativation Present? Vater Table Present? Vestaturation Present?	e required; che ne) riverine) nagery (B7) s No _ s No _ s No _	Salt Cru Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent Thin Mu Other (E	oply) set (B11) rust (B12) Invertebrate en Sulfide Oc d Rhizospher ee of Reduce fron Reduction eck Surface (explain in Re (inches): (inches):	s (B13) dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (C	Second	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Type: Depth (inches): Remarks Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverin Sediment Deposits (B2) (Nonriverin Drift Deposits (B3) (Nonriverin Surface Soil Cracks (B6) Inundation Visible on Aerial Im Water-Stained Leaves (B9) Inifface Water Present? Vater Table Present? Vestaturation Present?	e required; che ne) riverine) nagery (B7) s No _ s No _ s No _	Salt Cru Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent Thin Mu Other (E	oply) set (B11) rust (B12) Invertebrate en Sulfide Oc d Rhizospher ee of Reduce fron Reduction eck Surface (explain in Re (inches): (inches):	s (B13) dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (C	Second	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Depth (inches): Remarks Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverin Sediment Deposits (B2) (Nonriverin Surface Soil Cracks (B6) Inundation Visible on Aerial Im Water-Stained Leaves (B9) Relativation Present? Vater Table Present? Vestaturation Present?	e required; che ne) riverine) nagery (B7) s No _ s No _ s No _	Salt Cru Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent Thin Mu Other (E	oply) set (B11) rust (B12) Invertebrate en Sulfide Oc d Rhizospher ee of Reduce fron Reduction eck Surface (explain in Re (inches): (inches):	s (B13) dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (C	Second	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	e required; che ne) riverine) nagery (B7) s No _ s No _ s No _	Salt Cru Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent Thin Mu Other (E	oply) set (B11) rust (B12) Invertebrate en Sulfide Oc d Rhizospher ee of Reduce fron Reduction eck Surface (explain in Re (inches): (inches):	s (B13) dor (C1) res along d Iron (C4 on in Tille C7) marks)	4) d Soils (C	Second	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region

101-	17
VV	

ect/site: COMNSVINE volicant/Owner: LS POWEY estigator(s): Sidney Wells, Christna F edform (hillslope, terrace, etc.): Flat to slight h	City/C		State: CA	Sampling Point: SP-2
estigator(s): Sidney Wells, Christing R	2011-0102-		State:	
dform (hillsland towns at) FO + Te () A+ h		- 11 - 0	7.1 16 7	(
dform (hillstone towned ata); TV aT I & (1,0 kT k	Section Section	on, Township, Range	e: 30 12 2	01 (0/) 2 1
diotiti (fillisiope, terrace, etc.). 1200 26 Stight N	TIISTOPE Local	relief (concave, cor	nvex, none): NONE	Slope (%):
				3901 Datum: NAVI
Map Unit Name: DINBLO - AYAR CLAYS	1,2 to 9 % stor	20	NWI classific	cation: NONE
climatic / hydrologic conditions on the site typical for	this time of year? Ye	es No	(If no, explain in R	temarks.)
Vegetation, Soil, or Hydrology	_ significantly disturt	ped? Are "No	ormal Circumstances" p	oresent? Yes No
Vegetation, Soil, or Hydrology	_ naturally problema	itic? (If need	led, explain any answe	rs in Remarks.)
IMMARY OF FINDINGS - Attach site ma	p showing sam	pling point loc	ations, transects	, important features, etc
ydrophytic Vegetation Present? Yes	No	Is the Sampled A	rea	1
ydrīc Soil Present? Yes /etland Hydrology Present? Yes	No No	within a Wetland	? Yes	_ No _
emarks:	No			
GETATION – Use scientific names of pla	ants.			
CETATION COC COLONIANO NAMES OF PA		inant Indicator I	Dominance Test work	sheet:
ree Stratum (Plot size:)	% Cover Spec	ciac? Status	Number of Dominant S	
			That Are OBL, FACW,	or FAC: (A)
			Total Number of Domin	ant I
		8	Species Across All Stra	ata: (B)
		F	Percent of Dominant Sp	pecies In N
apling/Shrub Stratum (Plot size:)	= Tot	tal Cover	That Are OBL, FACW,	or FAC: 100/0 (A/B)
,		F	Prevalence Index wor	ksheet:
			Total % Cover of:	Multiply by:
			OBL species	x 1 =
		F	ACW species	x 2 =
		F	AC species	x 3 =
erb Stratum (Plot size: 5 og. Pd.)	= Tot	200 27/2012/20		x 4 =
POLIAPOREN MONOSPELLEMSE	100	V IAM IM		x 5 =
Officialis spicata		I FAC (Column Totals:	(A) (B)
DISTINATION SPECIAL		1110	Prevalence Index	= B/A =
		1	Hydrophytic Vegetation	on Indicators:
			Dominance Test is	>50%
			Prevalence Index i	s ≤3.0¹
			Morphological Ada	ptations ¹ (Provide supporting
				s or on a separate sheet)
	120 = Tot	al Cover	Problematic Hydro	phytic Vegetation ¹ (Explain)
oody Vine Stratum (Plot size:)		1	Indicators of buildings	
			pe present, unless dist	il and wetland hydrology must urbed or problematic.
			Hydrophytic	
Α		0 1	/egetation	V
	ver of Biotic Crust _	<u> </u>	Present? Ye	s No
emarks:				

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Texture Color (moist) % Type ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils3: Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) 1 cm Muck (A9) (LRR C) Sandy Redox (S5) Histic Epipedon (A2) 2 cm Muck (A10) (LRR B) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Red Parent Material (TF2) Other (Explain in Remarks) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) 3Indicators of hydrophytic vegetation and Redox Depressions (F8) wetland hydrology must be present, Sandy Mucky Mineral (S1) Vernal Pools (F9) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): **Hydric Soil Present?** Remarks: Ephemeral Stream/River NHO HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Salt Crust (B11) 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 Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes ____ No X Depth (inches): Saturation Present? Yes ____ No _X Depth (inches): _ Wetland Hydrology Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

WETLAND DETERMINATION DATA FORM - Arid West Region

W-18

oplicant/Owner: US POWEY	City/		CA CA	Sampling Date: 06-24-
vestigator(s) Christina Rodnavez, Sid	vey WELLS sect	ion. Township. Ra	mae 00 3 NI	16.
andform (hillslope, terrace, etc.): Flot	Loc	al relief (concave	CORVEY POSSIL A LO	ALE SIGNA (OL):
ubregion (LRR):	101 38 0	78615	convex, none): N	5/00 Slope (%)
oll Map Unit Name: Valdezsilt loam, d	said Nt. 7	Pac Done MI	Long: IVI. 63	53 76 Datum: NAVI
Map Unit Name: VAIAELS IL 10411014	ININEA, UNIZ	aseque III	NWI classif	ication: THESHWATER WETL
e climatic / hydrologic conditions on the site typical fo		,		\'/
e Vegetation, Soil, or Hydrology			"Normal Circumstances"	present? Yes No
re Vegetation, Soil, or Hydrology	naturally problem	natic? (If ne	eeded, explain any answ	ers in Remarks.)
UMMARY OF FINDINGS – Attach site m	ap showing sar	mpling point I	ocations, transect	s, important features, etc
V				
Hydrophytic Vegetation Present? Yes		Is the Sample		4.4
Vetland Hydrology Present? Yes		within a Wetla	nd? Yes	No
Remarks:	140			-
icinario.				
GETATION – Use scientific names of p	lants.			
		minant Indicator	Dominance Test wor	ksheet:
ree Stratum (Plot size:)		ecies? Status	Number of Dominant	Species N
			That Are OBL, FACW	
			Total Number of Domi	inant /
			Species Across All Str	
			Percent of Dominant S	Species
Capling/Chrish Stratum / Plot aires	= T	otal Cover	That Are OBL, FACW	
apling/Shrub Stratum (Plot size:)				
			Prevalence Index wo	
			Francisco Company Company	Multiply by:
				x 1 =
				x 2 =
	- d			x3=
erb Stratum (Plot size: 5 4. H.)		otal Cover		x 4 =
Distichlis spicata Centairea Psolstitialis	100	Y FAC		x 5 =
Contained colstitialis	35	10	Column Totals:	(A) (B)
541211110010		<u> </u>	Prevalence Inde	x = B/A =
			Hydrophytic Vegetat	
			Dominance Test	
			Prevalence Index	
				aptations ¹ (Provide supporting
			data in Remark	ks or on a separate sheet)
	135 = т	atal Cause	Problematic Hydr	ophytic Vegetation ¹ (Explain)
loody Vine Stratum (Plot size:)	1.331	otal Cover		
				oil and wetland hydrology must
			be present, unless dis	turbed or problematic.
	Ø = T	otal Cover	Hydrophytic	,
% Bare Ground in Herb Stratum % C		^	Vegetation	X
% C	over of Biotic Crust		Present? Y	es No
lomada.				
Remarks:				

3			
-	-		
	n	ı	

onie Desc	cription: (Describe	to the dep	th needed	to docur	nent the ir	ndicator	or confir	m the absence	e of Indicators.)
Pepth	Matrix				x Features				
nches)	Color (moist)	%	Color (%	Type	Loc2	Texture	Remarks
								SAND	-
-35	104R21	100							
2.0	1011	100		-					
F 0	7-4031-	10.0						= 4.10	
.5-7	7.5 YR 3/3	100						SAND	
100	7 (10 3/-	7-	1010	51,		_		C 1.10	
-13.5	7.54R3/2	75	10 AK	5/6	5%		101	SAND	
ype: C=C	oncentration, D=Depl	letion, RM	=Reduced	Matrix. CS	S=Covered	or Coate	d Sand G	rains. ² Lo	ocation: PL=Pore Lining, M=Matrix.
	Indicators: (Applica							Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		S	andy Red	ox (S5)			1 cm	Muck (A9) (LRR C)
	pipedon (A2)			tripped Ma				2 cm	Muck (A10) (LRR B)
	istic (A3)				ky Mineral	(F1)		Redu	ced Vertic (F18)
_ Hydroge	en Sulfide (A4)		Lo	oamy Gley	ed Matrix	(F2)			Parent Material (TF2)
Stratified	d Layers (A5) (LRR C	(2)	D	epleted Ma	atrix (F3)			Other	(Explain in Remarks)
	uck (A9) (LRR D)				Surface (F				
	d Below Dark Surface	e (A11)			ark Surface			3	
	ark Surface (A12)				essions (F	8)			s of hydrophytic vegetation and
	Mucky Mineral (S1)		V	ernal Pool	s (F9)				I hydrology must be present, disturbed or problematic.
	Gleyed Matrix (S4)							unless	disturbed of problematic.
estrictive	Layer (if present):								
+									/
Type:	-1		_					Hydric Soi	I Present? Yes No X
Depth (inc	ches):							Hydric Soi	Il Present? Yes No X
Depth (inc								Hydric Soi	Il Present? Yes No X
Depth (inc	ches):							Hydric Soi	Il Present? Yes No X
Depth (incomerks:	GY drology Indicators:	1-							
Depth (incomerks:	GY	1-						Seco	endary Indicators (2 or more required)
Depth (incomercial property) DROLO etland Hydicimary Indice	GY drology Indicators:	1-	_ 8	Salt Crust	(B11)			Seco	endary Indicators (2 or more required) Water Marks (B1) (Riverine)
DROLO etland Hydimary Indic	GY drology Indicators:	1-	_ 5	Salt Crust of Biotic Crus	(B11) t (B12)			<u>Secc</u>	andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
DROLO etland Hydimary Indic	GY drology Indicators: cators (minimum of or Water (A1) tter Table (A2)	1-	_ s _ e _ /	Salt Crust of Biotic Crust Aquatic Inv	(B11) t (B12) ertebrates			<u>Secc</u>	endary Indicators (2 or more required) Water Marks (B1) (Riverine)
DROLO etland Hydimary Indic Surface I High Wa Saturatio	GY drology Indicators: cators (minimum of or Water (A1) tter Table (A2)	ne required	_ s _ e _ /	Salt Crust of Biotic Crust Aquatic Inv	(B11) t (B12)			<u>Seco</u>	andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
DROLO etland Hydimary Indic Surface High Wa Saturatio Water Ma	GY drology Indicators: eators (minimum of or Water (A1) tter Table (A2) on (A3)	ne required	_ 8 _ 8 _ 7	Salt Crust of Siotic Crust Aquatic Investigation States	(B11) t (B12) ertebrates	or (C1)	Living Roo	Secc	andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
DROLO etland Hydimary Indio Surface High Wa Saturatio Water Mi Sedimen	GY drology Indicators: eators (minimum of or Water (A1) tter Table (A2) on (A3) arks (B1) (Nonriverin	ne required ne) riverine)	8 8 8 8	Salt Crust of Biotic Crust Aquatic Involved States of St	(B11) t (B12) rertebrates Sulfide Odd	or (C1) es along		Second	endary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
DROLO etland Hyd imary Indio Surface I High Wa Saturatio Water Ma Sedimen Drift Dep	GY drology Indicators: eators (minimum of or Water (A1) tter Table (A2) on (A3) arks (B1) (Nonriverin tt Deposits (B2) (Non	ne required ne) riverine)	S F	Salt Crust of Salt Crust of Salt Crust of Salt Crust of Salt o	(B11) t (B12) rertebrates Sulfide Odd hizosphere	or (C1) es along Iron (C4)	Second	windary 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)
DROLO etland Hyd imary Indic Surface High Wa Saturatio Water M: Sedimen Drift Dep Surface S	GY drology Indicators: cators (minimum of or Water (A1) tter Table (A2) on (A3) arks (B1) (Nonriverin tt Deposits (B2) (Non posits (B3) (Nonriveri	ne required ne) riverine) ne)	5 6 6 6	Salt Crust of Siotic Crust of Aquatic Involved Signature of Siotic Cruster of Siotic	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced	or (C1) es along Iron (C4 n in Tilled)	Second Se	windary 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)
DROLO etland Hyd imary Indic Surface High Wa Saturatio Water M: Sedimen Drift Dep Surface S Inundatio	GY drology Indicators: cators (minimum of or Water (A1) tter Table (A2) on (A3) arks (B1) (Nonriverin tt Deposits (B2) (Non iosits (B3) (Nonriveri Soil Cracks (B6)	ne required ne) riverine) ne)	8 6 6 6	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Dxidized R Presence of Recent Iron Thin Muck	(B11) t (B12) rertebrates Gulfide Odd hizosphere of Reduced n Reduction	or (C1) es along fron (C4 n in Tilled)	Second Se	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
DROLO etland Hyd imary Indic Surface High Wa Saturatio Water M: Sedimen Drift Dep Surface S Inundatic Water-St	GY drology Indicators: cators (minimum of or Water (A1) tter Table (A2) on (A3) arks (B1) (Nonriverin tt Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations:	ne required ne) riverine) ne) nagery (B7	S S S S S S S	Salt Crust of State Crust Aquatic Invaluation Invaluation State Control of State Cruster Incompanies of State Cruster Incompanies of State Cruster (Explanation Incompanies of State Cruster (Explanat	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction Surface (C	or (C1) es along liron (C4 n in Tilleo 77) marks)) I Soils (Ce	Second Se	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (incomercians) DROLO Setland Hydromary Indio Surface Mater Mate	GY drology Indicators: cators (minimum of or Water (A1) tter Table (A2) on (A3) arks (B1) (Nonriverin tt Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations:	ne required ne) riverine) ne)	S S S S S S S	Salt Crust of State Crust Aquatic Invaluation Invaluation State Control of State Cruster Incompanies of State Cruster Incompanies of State Cruster (Explanation Incompanies of State Cruster (Explanat	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction Surface (C	or (C1) es along liron (C4 n in Tilleo 77) marks)) I Soils (Ce	Second Se	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Depth (incomercia) DROLO etland Hydromary Indicomercy Indicomercy Water Market Mark	GY drology Indicators: cators (minimum of or Water (A1) tter Table (A2) on (A3) arks (B1) (Nonriverin tt Deposits (B2) (Non posits (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations: er Present? Ye	ne required ne) riverine) ne) nagery (B7	S S S S S S S	Salt Crust of Stotic Crust Aquatic Invaluation Invalua	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction Surface (Clain in Rem	or (C1) es along I Iron (C4 n in Tilled (7) narks)) I Soils (C6	Second Se	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (incomercial contents) (DROLO) (etland Hydromary Indicomercy Indicated Indicat	GY drology Indicators: cators (minimum of or Water (A1) ther Table (A2) on (A3) arks (B1) (Nonriveria th Deposits (B2) (Non cosits (B3) (Nonriveria Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations: er Present? Ye Present? Ye resent? Ye	ne required ne) riverine) nagery (B7	6 6 6 6 7	Salt Crust of Biotic Crust of Biotic Crust of Biotic Crust of Biotic Bio	(B11) It (B12) Pertebrates Sulfide Odd hizosphere of Reduced n Reduction Surface (Clain in Rem hes): hes):	or (C1) es along I Iron (C4 n in Tilled (77) narks)) I Soils (Ce	Second Se	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Depth (incommarks: DROLO etland Hydinary Indio Surface Water May Sedimen Drift Dep Surface Surface Water-St eld Observation Produdes cap	GY drology Indicators: cators (minimum of or Water (A1) on (A3) arks (B1) (Nonriveria th Deposits (B2) (Non cosits (B3) (Nonriveria Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations: er Present? Ye Present? Ye	ne required ne) riverine) nagery (B7	S	Salt Crust of Biotic Crust Aquatic Invaluation Invalua	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction Surface (Clain in Rem hes): hes):	or (C1) es along l Iron (C4 n in Tilleo 77) narks)) I Soils (Ce	Secondary Second	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (incommarks: DROLO etland Hydinary Indio Surface Water May Sedimen Drift Dep Surface Surface Surface Water-Street Observation Pricidudes cap	GY drology Indicators: cators (minimum of or Water (A1) ther Table (A2) on (A3) arks (B1) (Nonriverin the Deposits (B2) (Non cosits (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations: er Present? Present? Ye resent? Ye resent? Ye resent? Ye resent?	ne required ne) riverine) nagery (B7	S	Salt Crust of Biotic Crust Aquatic Invaluation Invalua	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction Surface (Clain in Rem hes): hes):	or (C1) es along l Iron (C4 n in Tilleo 77) narks)) I Soils (Ce	Secondary Second	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)



U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/FL 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)

pplicant/Owner: L3-POWER Investigator(s). SIPNEY WEUS CY ROPRIGUEZ Section, Township, From the Control of Con	State: A Sampling Point: SP-2 Range: 00 3N E
andform (hillside, terrace, etc.): Flat Local relief (concave, concurrence) Lat: 38.078828 Long:	Range: 00 3N 1E
andform (hillside, terrace, etc.): Flat Local relief (concave, conubregion (LRR): C Lat: 38,078828 Long:	tungo o
ubregion (LRR): C Lat 38,078828 Long:	nvex, none): Me Slope (%): O
Dil Man Unit Name: Valdez Cit Lana Land Ota 7 Valorea Mu	
	AA 16 NWI classification: FRESHWATER E
	No (If no, explain in Remarks.) VETZ
re Vegetation, Soil, or Hydrologysignificantly disturbed? Are "Normal	Circumstances present? Tes 140
re Vegetation, Soil, or Hydrologynaturally problematic? (If needed, e	
UMMARY OF FINDINGS – Attach site map showing sampling point I	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sampled	
Hydric Soil Present? Yes No Within a Wetlan	d? Yes No
Vetland Hydrology Present? Yes No X	
Remarks:	
EGETATION – Use scientific names of plants.	
Absolute Dominant Indicator	
ree Stratum (Plot size:) % Cover Species? Status	Dominance Test worksheet:
	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
	Total Number of Dominant Species Across All Strata: (B)
apling/Shrub Stratum (Plot size:) =Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
	Prevalence Index worksheet:
	Total % Cover of: Multiply by:
	OBL species x 1 =
	FACW species x 2 =
=Total Cover	FAC species x 3 =
erb Stratum (Plot size: 5 or A)	FACU species x 4 =
Rumex orispus 80 4 FAC	UPL species x 5 =
Distictlis spicata 100 1 FAC	Column Totals:(A)(B)
Brassica? Sp. (higha?)	Prevalence Index = B/A =
Centaurea Solstitialis (dus) 15	
Lolium penenne 1 1990	Hydrophytic Vegetation Indicators:
Horderm maninum 2 PMC	Dominance Test is >50%
JUNCUS SP. (Stations?) 12 PACIN	Prevalence Index is ≤3.0¹
	Morphological Adaptations ¹ (Provide supporting
135 =Total Cover	data in Remarks or on a separate sheet)
oody Vine Stratum (Plot size:)	Problematic Hydrophytic Vegetation ¹ (Explain)
	¹ Indicators of hydric soil and wetland hydrology must
- Tatal Cause	be present, unless disturbed or problematic.
=Total Cover	Hydrophytic
Bare Ground in Herb Stratum % Cover of Biotic Crust	Vegetation Present? Yes No
	anta for 1 pertification
emarks: The Junus sp. + BRASSICACEAE did not have all confirmation. Contained solutions is dish.	1000

Sampling Point:

	needed to document the management	confirm the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	TOMO
0-3.5 35 782/		Losa_
3.5-8.5 IDVR34 9/0 11	TO VP46 7 CM	Sa
TOTAL TO IT	11 11 11 11	
8.5-165 TXR4/6 93 =	1 1011/ 7 1 M	Gal
0,3 100 12 1/6 40 4	100 1P016 1	- 1
		2
¹ Type: C=Concentration, D=Depletion, RM=R		
Hydric Soil Indicators: (Applicable to all LR		Indicators for Problematic Hydric Soils ³ :
Histosol (Å1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B) Iron-Manganese Masses (F12) (LRR D)
Black Histic (A3)	Loamy Mucky Mineral (F1)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Reduced Vertic (F18)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Red Parent Material (F21)
A 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)	of hydrophytic vocatation and waterd by	ydrology must be present, unless disturbed or problematic.
	T	ratiology must be present, unless disturbed of problemade.
Restrictive Layer (if observed):		
Type:	-	Muddle Call Bernanda
Depth (inches)		Hydric Soil Present? Yes No
Remarks:		0
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required		
The state of the s		Secondary Indicators (minimum of two required)
Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
Surface Water (A1) High Water Table (A2)	Salt Crust (B11) Biotic Crust (B12)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Surface Water (A1) High Water Table (A2) Saturation (A3)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Re	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
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)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil:	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9)
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)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Re Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil: Thin Muck Surface (C7)	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)
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)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil:	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9)
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:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil: Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9) 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	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil: Thin Muck Surface (C7) Other (Explain in Remarks) No X Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9) 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 Water Table Present? Yes	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil: Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) 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? Water Table Present? Yes Saturation Present? Yes	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil: Thin Muck Surface (C7) Other (Explain in Remarks) No X Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) s (C6) Saturation Visible on Aerial Imagery (C9) 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 Water Table Present? Yes	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
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? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Depth (inches):	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 Hydrology Present? Yes No
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? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
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? Water Table Present? Yes Water Table Present? Yes Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monit	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
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 Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monit	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No



U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/ELTR-08-28, the preparent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 06/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: COLLINS VILLE City/County: 5	Sampling Date: 6-25-Z
Applicant/Owner: LS You'LL	State: A Sampling Point: SP-3
Investigator(s): 5, W(LLS & CY/NOR16462 Section, Townshi	p. Range: OO 3N IE
Landform (hillside, terrace, etc.): Local relief (concave,	convex none); one Slope (%):
Subregion (LRR): C Lat: 38.078463 Lon	0: -121 835468 Datum: NAM 19
Soil Map Unit Name: VALDEZ SIH LOAM, diagral, Oto 2 % officer, MURA	NWI classification: THES HUMTER EME
Soil Map Unit Name: VALVEC SIH LOAM, dialah, Ola L'AD MARQUE, MURI	No (If no, explain in Remarks.)
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (II no, explain in Nemarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturbed? Are "Non	mal Circumstances" present?
Are Vegetation, Soil, or Hydrology naturally problematic? (If neede	
SUMMARY OF FINDINGS – Attach site map showing sampling poin	it locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sample	
163 ×	land? Yes No
Wetland Hydrology Present? Yes No X	
Remarks: Revented to look for Dydrology 07-08-24 non	re observed.
1. 00	
EGETATION – Use scientific names of plants.	
Absolute Dominant Indical	- · · · · · · · · · · · · · · · · · · ·
Tree Stratum (Plot size:) % Cover Species? Statu	Number of Dominant Species That
	Are OBL, FACW, or FAC:
	Total Number of Dominant Species
3	Across All Strata:
=Total Cover	Percent of Dominant Species That
Sapling/Shrub Stratum (Plot size:)	Are OBL, FACW, or FAC:
1.	
2.	Prevalence Index worksheet:
3.	Total % Cover of: Multiply by:
	OBL species x 1 =
5.	FACW species x 2 =
=Total Cover	FAC species x 3 =
Herb Stratum (Plot size: 554.4.)	FACU species x 4 =
SCHOENOPLECTUS GALIFORNICAS 15 N DBL	UPL species x5 =
FRUMEX CRISPUS S N FA	Column Totals: (A) (B)
FRANKENIA SALINA 35 Y FAC	
HELIO TROPILIAM CURASSAVICAM 5 N FAC	
XANTHIUM STRUMA RIUM 5 N FA	
PSEUDO GNAPHALIUM STAAMINEUM 3 H FA	
DISTICHUS SPICATA 50 FA	Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
	data in Remarks or on a senarate sheet)
Total Cover	data in Remarks or on a separate sheet)
Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology mus
Voody Vine Stratum (Plot size:) =Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover	Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Hydrophytic
Noody Vine Stratum (Plot size:) =Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.

Profile Description: (Describe to the dep	th needed to docu	ıment ti	ne indic	ator or c	onfirm the	absenc	e of Indicato	rs.)	213
Depth Matrix		x Featur					/		
(inches) Color (moist) %	Color (moist)	%	Type	Loc2		ture	-	Remark	
10 YR 2/1 019	7.57K 5/6	2	C	PLM	Sac	1 LO	COXIDIT	to RHIZO	stiteme .
	В	-02		-4			7	Very littl	le, mot
								2	1
5-9 10 4R 3/2 010	5 YR 4/6	_	0	$\overline{\Lambda}$	CN				
1012	5 11 1/6	<u>d</u>	_	101	-50				
			_						
-15 7543/2 95	7-111		77	A A	0-				
15 1,310 16	7.5 MR 4/6	5		1	_8a	_			
ype: C=Concentration, D=Depletion, RM=	Reduced Matrix C				and Grains	²Lo	cation: PL=F	Pore Lining, N	M=Matrix.
dric Soil Indicators: (Applicable to all L	RRs. unless othe	rwise n	oted)	Joaled 38	and Grains	Indicat	ors for Prob		
Histosol (A1)	Sandy Red						m Muck (A9)		
Histic Epipedon (A2)	Stripped M						m Muck (A10) (LRR B)	
Black Histic (A3)	Loamy Mu		*			Iron	n-Manganese	Masses (F1	2) (LRR D)
Hydrogen Sulfide (A4)	Loamy Gle	yed Mat	rix (F2)			Red	duced Vertic	(F18)	
Stratified Layers (A5) (LRR C)	Depleted N	/atrix (F	3)			Red	d Parent Mate	erial (F21)	
1 cm Muck (A9) (LRR D)	Redox Dar					_	y Shallow Da		22)
Depleted Below Dark Surface (A11)	Depleted D)		Oth	er (Explain in	Remarks)	
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Redox Dep	pressions	s (F8)						
	es of budsonhudia			Here I In	laste a second		,	Potendaral again	
	rs of hydrophytic ve	egetation	i and we	suano nyo	urology mu	st be pre	sent, unless t	isturbed of p	Jioblemauc
estrictive Layer (if observed): Type:									/
Depth (inches):	_				Hydric Sc	1.		Yes	No
							1	2 .	
DROLOGY								4.40	C
etland Hydrology Indicators:									4
mary Indicators (minimum of one is require						Second	ary Indicators	(minimum o	of two requir
_Surface Water (A1)	Salt Crust (ter Marks (B1		
High Water Table (A2)	Biotic Crus		oo (D12)			The second second	liment Depos		
Saturation (A3) Water Marks (B1) (Nonriverine)	Aquatic Inv						t Deposits (B)
Sediment Deposits (B2) (Nonriverine)	Oxidized R				oots (C3)		inage Pattern -Season Wat		1
Drift Deposits (B3) (Nonriverine)	Presence of			X 13	(,		yfish Burrow		.)
Surface Soil Cracks (B6)	Recent Iron				s (C6)	-	uration Visibl		magery (C9)
Inundation Visible on Aerial Imagery (B7) Thin Muck	Surface	(C7)				allow Aquitare		
Water-Stained Leaves (B9)	Other (Exp	lain in R	emarks)			FAC	C-Neutral Tes	st (D5)	
eld Observations:	^								
rface Water Present? Yes	No X	Depth (ir	nches):_						
ater Table Present? Yes		Depth (ir	_						V
aturation Present? Yes	No 1	Depth (ir	nches):_		Wetland	d Hydrol	ogy Present	? Yes	_ No
cludes capillary fringe)	nitasian	mb - 4 -	ner J	n ln	long\ if	allati			
scribe Recorded Data (stream gauge, mor	nitoring well, aerial	pnotos,	previou	s inspect	ions), if ava	allable:			
emarks: D. 1 1 01 . 1	. 4 0. 4	0		1	4	4.	0.4	. +	1+
Kianja Myaphers.	in the things	Large	- vere	1000	and est	uny	Kohron	1000	buy
	-44 - 4						0/1	-1- 0 1	1100
marks: Oxidesed Phizopheres. wited and hard to see ne + again, hard to tell			Λ.			, only		to look	for.

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.

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)

Project/Site: City/County: Www	Sampling Date: 10-25-21
Applicant/Owner:	State: Sampling Point:
Investigator(s): Status Wells Clause Council Well Section, Township, Ra	nge: 3N 1E 23
Landform (hillside, terrace, etc.): Flot Local relief (concave, converge)	~
	-121. 837352 Datum: NAO 19
Soil Map Unit Name: DIABLO - AYAR CLAYS 7to 9 % slopes	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	No (If no, explain in Remarks.)
	ircumstances" present? Yes No
	plain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point loc	cations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes Yo No Is the Sampled A	100 BDF7 5 F73 LL
Hydric Soil Present? Yes No Within a Wetland?	Yes No No
Wetland Hydrology Present? Yes No No	+0 10 10
Remarks: Strong indicators of Hydrophytic Vegetation and Landscape Sposition. Problematic Shydric sol like	by! Secondly ponded ood.
VEGETATION – Use scientific names of plants.	
Absolute Dominant Indicator	B i T Association
Tree Stratum (Plot size:) % Cover Species? Status	Dominance Test worksheet: Number of Dominant Species That
2,0	Are OBL, FACW, or FAC:
3,	Total Number of Dominant Species Across All Strata: (B)
4	Bound of Bouland Consider That
Sapling/Shrub Stratum (Plot size:)	Are OBL, FACW, or FAC:
1	Prevalence Index worksheet:
3.	Total % Cover of: Multiply by:
4.	OBL species x 1 =
5.	FACW species x 2 =
=Total Cover	FAC species x 3 =
Herb Stratum (Plot size: 5 67 17)	FACU species x 4 =
1. CENTROMADIA PUNGENS 25 Y FACEN	UPL species x5 = (A)
2. DISTICHLIS SOIGATA 35 Y FAC	Column Totals: (A) (B) Prevalence Index = B/A =
3. LOLIMM PERENNE S N FAC	Prevalence index - B/A -
5.	Hydrophytic Vegetation Indicators:
6	X Dominance Test is >50%
7.	Prevalence Index is ≤3.0 ¹
8.	Morphological Adaptations ¹ (Provide supporting
(05 =Total Cover	data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size:)	Problematic Hydrophytic Vegetation ¹ (Explain)
16	¹ Indicators of hydric soil and wetland hydrology must
2	be present, unless disturbed or problematic.
	Hydrophytic Vegetation
% Bare Ground in Herb Stratum 32% % Cover of Biotic Crust 3%	Present? Yes No No
% Bare Ground in Herb Stratum 32 % Cover of Biotic Crust 3% Remarks: Centromodra pungers Sp. pungers = FAC, C. pr	my = FACW-> ! both FAC.

Profile Description: (Describe to the deposition Depth Matrix	oth needed to document the indicator of Redox Features	or confirm the absence of in	ndicators.)
(inches) Color (moist) %	Color (moist) % Type ¹ Loc	Texture	Remarks
0 111 -0 10 0	71		
0-14 248 211 100			
	0.0		
	28	-: 	
		- (
Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to all			n: PL=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :
			<u>-</u>
Histosol (A1)	Sandy Redox (S5)		ck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)		ck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)		nganese Masses (F12) (LRR D)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		Vertic (F18)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)		ent Material (F21)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)		allow Dark Surface (F22)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	Other (E	xplain in Remarks)
Thick Dark Surface (A12)	Redox Depressions (F8)	6	
Sandy Mucky Mineral (S1)			
Sandy Gleyed Matrix (S4) Indicat	ors of hydrophytic vegetation and wetland	hydrology must be present,	unless disturbed or problematic.
Restrictive Layer (if observed):			
Type: CLAY			\/
Depth (inches): O-14		Hydric Soil Present?	Yes No
ponded soil due to	estrutive day tays	Adled Soil. Ital	ly prasonally
HYDROLOGY			
Vetland Hydrology Indicators:			
Primary Indicators (minimum of one is requ	ired; check all that apply)	Secondary Ir	dicators (minimum of two required
Surface Water (A1)	Salt Crust (B11)	Water M	arks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sedimer	t Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drift Dep	oosits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	— Drainage	e Patterns (B10)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres on Living	Roots (C3) Dry-Sea	son Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)		Burrows (C8)
X Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled S		on Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B	7) Thin Muck Surface (C7)	Shallow	Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)		utral Test (D5)
ield Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Vater Table Present? Yes	No Depth (inches):	-	11
Saturation Present? Yes	No Depth (inches):	─	Present? Yes No
(includes capillary fringe)		_	(-
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous insp	pections), if available:	
Remarks: Destre crust polygon	shaped up character	este exturned.	edges + darker
suface layer.	±°		81

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.

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)

Gee ENDO/EE TIX 66 20, the proper	chi agency is electrocity	
Project/Site: Collingville	City/County: Sol	MO Sampling Date: 56-26-29
Applicant/Owner: LS PEWEV		State: Sampling Point: & D-2
Investigator(s): Sidney wells, Christina	Rodrigue & Section, Township, R.	lange: 3N 1E Z3
Landform (hillside, terrace, etc.):		vex, none): Slope (%):
Subregion (LRR): C Lat: 38.0	82532 Long:	-121.837631 Datum: NAV 198
Soil Map Unit Name: TAMBA MUCKY (LLAY, MURA 16	NWI classification;
Are climatic / hydrologic conditions on the site typical f	> A	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, ex	xplain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site m	ap showing sampling point lo	ocations, transects, important features, etc.
\		SW
Trydrophysio Togotation Trooties	o Is the Sampled A within a Wetland	
	o within a wettand	ies X ies X i ies
Remarks: (tage and satisfact of the	sombusty Vendation 4	without hydrology as well or
landscape) postern. Proflem	aty India and like	ly sussmally condul soil
1-01-01	0	J. C.
VEGETATION – Use scientific names of p	olants.	
Tree Streeture (Diet size:	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
Tree Stratum (Plot size:)	76 Cover Species: Status	Number of Dominant Species That
2.		Are OBL, FACW, or FAC:
3.		Total Number of Dominant Species 1
4,		Across All Strata:
(DLL)	=Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size:)	Ale Obl., FACW, OF FAC.
2.	· · · · · · · · · · · · · · · · · · ·	Prevalence Index worksheet:
3.		Total % Cover of: Multiply by:
4.		OBL species x 1 =
5.	=Total Cover	FACW species x 2 = FAC species x 3 =
Herb Stratum (Plot size: 5 Ap. Ft.)	= Total Cover	FAC species x 3 = FACU species x 4 =
1. Centromadia punaero	60 Y FACEN)	UPL species x 5 =
2. Distichlis spicata	40 Y FAC	Column Totals: (A) (B)
3. Hordem sp.	1 FAC(U)	Prevalence Index = B/A =
4		II LOLD VOLUME END
5		Hydrophytic Vegetation Indicators: Dominance Test is >50%
6.		Prevalence Index is ≤3.01
8.		Morphological Adaptations ¹ (Provide supporting
	=Total Cover	data in Remarks or on a separate sheet)
)	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:		¹ Indicators of hydric soil and wetland hydrology must
1.	· ·	
	Total Course	be present, unless disturbed or problematic.
1.	=Total Cover	be present, unless disturbed or problematic. Hydrophytic
1	=Total Cover	be present, unless disturbed or problematic.

[W-19]

SOIL

Profile Description: (Describe to the depth	needed to document the indicator or	confirm the absence of in	dicators.)
Depth Matrix	Redox Features		
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture	Remarks
0-5 2.54 3/2 99 2	5 YR 5/8 1 C PUI	v Cl	
5-14 2.54 4/2		<u> </u>	
- - - - - - - - - -			
		· · · · · · · · · · · · · · · · · · ·	
		() <u> </u>	
¹ Type: C=Concentration, D=Depletion, RM=R	educed Matrix, CS=Covered or Coated S	Sand Grains. ² Location	PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LR	Rs, unless otherwise noted.)	Indicators fo	r Problematic Hydric Soils³:
Histosol (A1)	Sandy Redox (S5)		k (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)		k (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	lron-Mang	ganese Masses (F12) (LRR D)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Reduced	Vertic (F18)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)		nt Material (F21)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)		low Dark Surface (F22)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	<u></u> ✓ Other (Ex	plain in Remarks)
Thick Dark Surface (A12)	Redox Depressions (F8)		
Sandy Mucky Mineral (S1)			
Sandy Gleyed Matrix (S4) ³ Indicators	of hydrophytic vegetation and wetland h	ydrology must be present, u	inless disturbed or problematic.
Restrictive Layer (if observed):			
Type: CLAY ,	_		\ /
Depth (inches):		Hydric Soil Present?	YesNo_X
Hemarks: May be a recently poride position generally slopes	developed Wetland or is of sold due to restrict on 'downhill' along	tive day lai	
HYDROLOGY			
Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required	d; check all that apply)	Secondary Inc	dicators (minimum of two required)
Surface Water (A1)	Salt Crust (B11)	Water Ma	rks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sediment	Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drift Depo	osits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Drainage	Patterns (B10)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres on Living F	Roots (C3) Dry-Seas	on Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish E	Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled So	` ' —	No Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)		quitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neu	tral Test (D5)
Field Observations:	V		
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No Depth (inches):		\ /
Saturation Present? Yes	No Depth (inches):	Wetland Hydrology Pr	resent? Yes No No
(includes capillary fringe)		1	
Describe Recorded Data (stream gauge, moni	toring well, aerial photos, previous inspe	ctions), if available:	
Pamarke: M. + + A. A.	+ 1 2 22 2342	10m l: 1 1 1 1	- + · · · · ·
Remarks: operate aphemoral shoped by characteristic	yeturnal edges + de	The suface	layer tolygn

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.



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)

Project/Site: COLLINS VILLE City/County: SUIS	UN CITY/SOLANOSampling Date: 6-26-
Applicant/Owner: LS POWER	State: A Sampling Point: 5P-3
Investigator(s): 5. WELLS + C.Y. ROOKI GUE 7 Section, Township, Ra	nge: 00 3N IE
Landform (hillside, terrace, etc.): Rocal relief (concave, conv	ex, none): NONE Slope (%):
	-121. 838496 Datum:
The state of the s	NWI classification: RIVERINE
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 Hydrologysignificantly disturbed? Are "Normal C	ircumstances" present? Yes X No
	plain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point lo	cations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No Is the Sampled A Hydric Soil Present? Yes No X within a Wetland? Wetland Hydrology Present? Yes X No	analysistem VIII to our to the
Remarks: STRONG indicators of Hydrophylic vegetation as as landscope position. Proflematic lydic soil like	nd notland hydrology as will ely: Seasmally pronded soil.
VEGETATION – Use scientific names of plants.	
Absolute Dominant Indicator Tree Stratum (Plot size:) % Cover Species? Status	Dominance Test worksheet:
1	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3.	Total Number of Dominant Species
4	Across All Strata: Percent of Dominant Species That
Sapling/Shrub Stratum (Plot size:)	Are OBL, FACW, or FAC:
2	Prevalence Index worksheet:
3,	Total % Cover of:Multiply by:
4,	OBL species x 1 =
5	FACW species x 2 =
=Total Cover	FACU species x 3 = FACU species x 4 =
1. JALICORNIA PARIFICA 20% Y OBL	FACU species x 4 = UPL species x 5 =
	Column Totals: (A) (B)
3.	Prevalence Index = B/A =
4.	
5.	Hydrophytic Vegetation Indicators:
6	Dominance Test is >50%
7,	Prevalence Index is ≤3.0¹
8	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size:)	Problematic Hydrophytic Vegetation ¹ (Explain)
1	¹ Indicators of hydric soil and wetland hydrology must
2	be present, unless disturbed or problematic.
=Total Cover	Hydrophytic
% Bare Ground in Herb Stratum 80% % Cover of Biotic Crust 8 Remarks: Salicomia pocifica con hundle sulm con	Vegetation Present? Yes No
Remarks: ()	dition
saucoma program con among some	~~~~



Sampling Point: <u>\frac{5\rac{7}{3}}</u>

Profile Desc	ription: (Describe	to the dep	th needed to docu	ıment tl	he indica	tor or c	onfirm the absence o	of indicators.)
Depth	Matrix		Redo	x Featu				
(inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-16.5	7.5 YR 3/L	90	54R 4/10		C	M	CLAY	
<u> </u>								
								7
		: 08				-		
					·/·	10 31		2.
¹ Type: C=Co	ncentration, D=Dep	letion, RM	=Reduced Matrix, C	S=Cove	ered or C	oated Sa		ation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applica	ble to all	LRRs, unless othe	erwise n	oted.)		Indicator	s for Problematic Hydric Soils ³ :
Histosol	<u>(</u> A1)		Sandy Red	dox (S5))			Muck (A9) (LRR C)
Histic Ep	pedon (A2)		Stripped M	latrix (S	6)		2 cm	Muck (A10) (LRR B)
Black His	tic (A3)		Loamy Mu	cky Min	eral (F1)		Iron-l	Manganese Masses (F12) (LRR D)
Hydroger	Sulfide (A4)		Loamy Gle	eyed Ma	trix (F2)		Redu	iced Vertic (F18)
Stratified	Layers (A5) (LRR C	;)	Depleted N	Лatrix (F	-3)		Red	Parent Material (F21)
1 cm Mu	ck (A9) (LRR D)		Redox Dar	k Surfa	ce (F6)		Very	Shallow Dark Surface (F22)
Depleted	Below Dark Surface	e (A11)	Depleted D	Dark Sur	rface (F7))	X Othe	r (Explain in Remarks)
Thick Da	rk Surface (A12)		Redox Dep	oression	is (F8)			
	ucky Mineral (S1)				, ,			
	eyed Matrix (S4)	³ Indicate	ors of hydrophytic v	egetatio	n and we	tland hy	drology must be prese	ent, unless disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:	CIAY					- 1		\/
Depth (in	ches):	16.5					Hydric Soil Present	? Yes No
Seems to have b	faint or "	y for	a time.	Seaso	malhy	for	ded Soil. I due to restru	hely seasonally pondistive day layer.
HYDROLO(GY		V					
Interview Control Co.	rology Indicators:		harmonia (17.10 m. Andromo antigotos Chorologo), al topo antigotos (17.10 m. Andromo A				40.00000-0004U	
Primary Indic	ators (minimum of o	ne is requi		-77				ry Indicators (minimum of two required)
Surface \	Vater (A1)		X Salt Crust					er Marks (B1) (Riverine)
High Wat	er Table (A2)		Biotic Crus					ment Deposits (B2) (Riverine)
Saturatio	` '		Aquatic Inv					Deposits (B3) (Riverine)
	arks (B1) (Nonriveri		Hydrogen				—	nage Patterns (B10)
	: Deposits (B2) (Nor	•	Oxidized R					Season Water Table (C2)
	osits (B3) (Nonriver	ine)	Presence of					fish Burrows (C8)
\rightarrow	Soil Cracks (B6)		Recent Iro			lled Soil		ration Visible on Aerial Imagery (C9)
Inundatio	n Visible on Aerial II	magery (B						ow Aquitard (D3)
Water-St	ained Leaves (B9)		Other (Exp	olain in F	Remarks)		FAC-	Neutral Test (D5)
Field Observ			V					
Surface Water	r Present? Ye	s			inches):_			
Water Table I	Present? Ye	s			inches):_			· · · · · · · · · · · · · · · · · · ·
Saturation Pr		s	No X	Depth (i	inches): _		Wetland Hydrolog	gy Present? Yes 📈 No
(includes cap								
Describe Rec	orded Data (stream	gauge, mo	onitoring well, aeria	i photos	, previous	s inspec	tions), if available:	
Remarks: \			y a		1()	1.1. 0	Le N-I	to han comenting
(nu betweek	1WV 9,	refine mo	J.	Hard	/Brit	the out on	st from ivaporation Salicomia pocifica
		\mathcal{O}		0				7 - 7 - 3

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 WETLAND DETER Resources Delineation Report for more detail.	ERMINATION DATA FORM	I – Arid West Region
•	City/County: Suis	SUNCITY/SOUND Sampling Date: 6-26-26
Applicant/Owner: \S POWEN		State: Sampling Point:
Investigator(s): CY ROVRIGHEZ + S. W	JELLS Section, Township, R	Range: 23 3N IE
Landform (hillslope, terrace, etc.):	Local relief (concave	e, convex, none):Slope (%):
Subregion (LRR):	Lat: <u>38.082023</u> 7	817Long: -121,83828953/batum: NAD 19
Soil Map Unit Name: TAMBA MUCKY CUP	14	NWI classification:
Are climatic / hydrologic conditions on the site typical for t	this time of year? Yes <u></u> No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	_ significantly disturbed? Are	e "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	_ naturally problematic? (If	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	p showing sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wes Yes Wetland Hydrology Present? Yes	No Is the Sample within a Wetl	ed Area and? Yes No X No X No X
Remarks: 5 Trans and entry of August	ronhistic, veretation	+ likely a without periodically y SEASON Proflematic lydin Soil
Ladang magness of welland	t 10 site to the	# # #
11 1	` \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	the withouts ourgests as well as
VEGETATION – Use scientific names of pla		
Tree Stratum (Plot size:) 1.	Absolute Dominant Indicator % Cover Species? Status	
2		Total Number of Dominant
3		Species Across All Strata: (B)
4	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size:)		Prevalence Index worksheet:
1		Total % Cover of: Multiply by:
3.		OBL species x 1 =
4.		FACW species x 2 =
5		FAC species x 3 =
_ XX	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: Str. H.)	35 Y FAC	UPL species x 5 =
1. Distictlis spicator 2. Frankenia Salina	T N FACT	→ I Column Totals: (A) (D) I
3. Hordem Marining	- 90 Y FAE	Prevalence Index = B/A =
4. Colivos peverine	T N FAC	Hydrophytic Vegetation Indicators:
5		Prevalence Index is ≤3.0 ¹
7		Morphological Adaptations ¹ (Provide supporting
8		data in Remarks or on a separate sheet)
	127 = Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)		¹ Indicators of hydric soil and wetland hydrology must
1 2		be present, unless disturbed or problematic.
W.D. 0	= Total Cover	Hydrophytic Vegetation Present? Yes No
% Darre Ground in Herb Stratum 9 % Co	in Cho of an in	Malara lalam Gura a a a la /
Species identified through for	miliarity; also possibly	broken blown away on all Specimens y Hardern muinum. The Durtifulis
Attiplies p. next to aren to be Sinch.	y W-20 salt on le	this + sand of an ordinaries

Sampling Point: 80 - 4

OIL									-
Profile Descrip	tion: (Describe t	o the dept	th needed to docu	ment the inc	dicator o	r confirm	the absence of i	ndicators.)	547
Depth	Matrix	0/		ox Features	Type1	Loc ²	Texture	Remarks	
inches)	Color (moist)	%	Color (moist)		Type'	LOC		Remarks	
-0.5	54 3/1	99	OVR 5/6		<u> </u>	<u>M</u>			
	2:21								
3.5-10 /	1.54 P/2	loo					<u> </u>		
	*								
m171	10 YR 4/2	100					Call		
10.10	1012	100							
	7 - 5 11 1						A. A.		
2-15	2.574/2	100					614_		
	<u></u>						-		
ype: C=Conc	entration, D=Deple	etion, RM=	Reduced Matrix, C	S=Covered	or Coated	Sand Gr		n: PL=Pore Lining, M=Ma	
	icators: (Applica						Indicators for	Problematic Hydric Soils	3:
_ Histosol (A ²	1)		Sandy Red				-	(A9) (LRR C)	
_ Histic Epipe	• •		Stripped M					(A10) (LRR B)	
Black Histic	` '			cky Mineral (Reduced V	, ,	-100
Hydrogen S		`	Loamy Gle	eyed Matrix (F	-2) 1 au No	Lex.	Red Paren	t Material (TF2)	1. 32.0
	ayers (A5) (LRR C) (A9) (LRR D))	Depleted in	rk Surface (F	6) 4	newtrole	Chher (Exp	iain in Remarks)	
	elow Dark Surface	(A11)		Dark Surface					- 1 Y S
	Surface (A12)	(/////	Redox Dep			when	³ Indicators of hy	drophytic vegetation and	17 (PA)
Sandy Muc	ky Mineral (S1)	gen and the	Vernal Poo		11/2	,,,,,,	wetland hydr	ology must be present,	1143/2
Sandy Gley	ved Matrix (S4)	2					unless distur	bed or problematic.	
-	er (if present):								
Туре:	CLAY								
			 ;						
o marka:	s): <u>D-10</u>		nded soil	due to	restr	utive	Hydric Soil Pre	sent? Yes No	<u> </u>
emarks:	ely pravonal		nded soil	due to	restr	utive			<u> </u>
emarks:	es): 0-10		nded soil	due to	restr	utive			<u> </u>
DROLOGY etland Hydro	es): 0-10	ly po	- A 21 AAOS	8 R ==	restr	utive	day lay	w.	
DROLOGY etland Hydro	es): 0-10	ly po	; check all that app		restr	utive	clay lay	v Indicators (2 or more req	
DROLOGY etland Hydro mary Indicate Surface Wa	ology Indicators: ors (minimum of onater (A1)	ly po	; check all that app	t (B11)	restr	utive	lay lay Secondary Water	v Indicators (2 or more req Marks (B1) (Riverine)	uired)
DROLOGY etland Hydro mary Indicate Surface Wa High Water	ology Indicators: ors (minimum of on ater (A1) Table (A2)	ly po	; check all that app Salt Crus Biotic Cru	t (B11)		utive	Secondan — Water — Sedin	/ Indicators (2 or more req Marks (B1) (Riverine) nent Deposits (B2) (Riverine	uired)
DROLOGY etland Hydro mary Indicate Surface Wa High Water Saturation (ology Indicators: ors (minimum of on tater (A1) Table (A2) (A3)	lly po	; check all that app Salt Crus Biotic Cru Aquatic Ir	t (B11) ust (B12) nvertebrates	(B13)	utive	Secondary — Water — Sedim — Drift E	v Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine)	uired)
DROLOGY etland Hydro mary Indicate Surface Wa High Water Saturation (Water Mark	riogy Indicators: ors (minimum of on ater (A1) Table (A2) (A3) (S (B1) (Nonriverir	ne required	; check all that app Salt Crus Biotic Cru Aquatic II Hydroger	t (B11) ust (B12) nvertebrates n Sulfide Odo	(B13) r (C1)		Secondary — Water — Sedin — Drift D — Drain	v Indicators (2 or more req Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) age Patterns (B10)	uired)
DROLOGY etland Hydro imary Indicate Surface Wa High Water Saturation (Water Mark Sediment D	Alogy Indicators: Ors (minimum of on ater (A1) Table (A2) (A3) (A3) (A3) (A3) (A9) (A9) (A9) (A9) (A9) (A9) (A9) (A9)	ne)	; check all that apr Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized	t (B11) ist (B12) nvertebrates n Sulfide Odo Rhizosphere	(B13) r (C1) s along L	iving Roo	Secondary Water Sedim Drift E Draina	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) deposits (B10) deason Water Table (C2)	uired)
DROLOGY etland Hydro imary Indicate Surface Wa High Water Saturation (Water Mark Sediment D	logy Indicators: ors (minimum of on ater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	ne)	; check all that apr Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere	(B13) r (C1) s along L Iron (C4)	iving Roo	Secondary Water Sedim Drift E Draina	v Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) dege Patterns (B10) deason Water Table (C2) sh Burrows (C8)	uired)
DROLOGY etland Hydro imary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi	ology Indicators: ors (minimum of on ater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	ne)	; check all that apr Salt Crus Biotic Crus Aquatic II Hydroger Oxidized Presence Recent Ir	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere e of Reduced on Reduction	(B13) r (C1) s along L Iron (C4) ı in Tilled	iving Roo	Secondary Water Sedim Drift D Draina ts (C3) Dry-S Crayfi Satura	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) deposits (B10) deason Water Table (C2)	uired)
DROLOGY etland Hydro imary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi	ology Indicators: ors (minimum of on ater (A1) Table (A2) (A3) (A3) (S (B1) (Nonriverir (Deposits (B2) (Nonriverir (Deposits (B3) (Nonriverir (Deposits (B3) (Nonriverir (Deposits (B6) (Nonriverir (Deposits (Deposits (B6) (Nonriverir (Deposits	ne)	check all that approximate the second control of the second contro	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere of Reduced on Reduction k Surface (C	(B13) r (C1) s along L Iron (C4) ı in Tilled 7)	iving Roo	Secondary Water Sedim Drift D Draina ts (C3) Dry-S Satura Shallo	v Indicators (2 or more requirement Deposits (B2) (Riverine) deposits (B3) (Riverine) deposits (B3) (Riverine) deposits (B10) deason Water Table (C2) description Visible on Aerial Images	uired)
DROLOGY etland Hydro imary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation Water-Stain	Ilogy Indicators: Description of one of the control	ne)	check all that approximate the second control of the second contro	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere e of Reduced on Reduction	(B13) r (C1) s along L Iron (C4) ı in Tilled 7)	iving Roo	Secondary Water Sedim Drift D Draina ts (C3) Dry-S Satura Shallo	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) deposits (B3) (Riverine) deposits (B10) deason Water Table (C2) design Marrows (C8) detion Visible on Aerial Image was Aquitard (D3)	uired)
DROLOGY etland Hydro imary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation Water-Stain	logy Indicators: ors (minimum of on ater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	ne) riverine) nagery (B7	Salt Crus Salt Crus Salt Crus Siotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc	t (B11) post (B12) pos	(B13) r (C1) s along L Iron (C4) i in Tilled 7) arks)	iving Roo	Secondary Water Sedim Drift D Draina ts (C3) Dry-S Satura Shallo	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) deposits (B3) (Riverine) deposits (B10) deason Water Table (C2) design Marrows (C8) detion Visible on Aerial Image was Aquitard (D3)	uired)
DROLOGY etland Hydro imary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation V Water-Stain	Iss): O - 10 Is	ne) riverine) nagery (B7	Salt Crus Salt Crus Salt Crus Siotic Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere e of Reduced on Reductior k Surface (Complain in Remember):	(B13) r (C1) s along L Iron (C4) i in Tilled 7) arks)	iving Roo	Secondan Water Sedin Drift E Draina ts (C3) Dry-S Crayfi Shallo FAC-I	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) dege Patterns (B10) deason Water Table (C2) sh Burrows (C8) dation Visible on Aerial Image ow Aquitard (D3) Neutral Test (D5)	uired)
DROLOGY etland Hydro imary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation V Water-Stain eld Observati	Ilogy Indicators: ors (minimum of on atter (A1) Table (A2) (A3) (A3) (S (B1) (Nonriverir (A2) (A3) (C) (A3) (ne) riverine) nagery (B7	Salt Crus Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere of Reduced on Reductior k Surface (Ci cplain in Rem	(B13) r (C1) s along L Iron (C4) i in Tilled 7) arks)	iving Roo Soils (C6	Secondan Water Sedim Drift D Draina ts (C3) Dry-S Satura Shallo FAC-I	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) ment Deposits (B3) (Riverine) mage Patterns (B10) meason Water Table (C2) meason Water Table (C2) meason Water Table (C3) meason Wisible on Aerial Image may Aquitard (D3) meason Water Test (D5)	uired)ne)
DROLOGY etland Hydro imary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation V Water-Stain eld Observati	Ilogy Indicators:	ne) riverine) nagery (B7	Salt Crus Salt Crus Salt Crus Siotic Crus Aquatic In Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere e of Reduced on Reductior k Surface (Complain in Remember):	(B13) r (C1) s along L Iron (C4) i in Tilled 7) arks)	iving Roo Soils (C6	Secondary Water Sedim Drift D Draina ts (C3) Dry-S Crayfi Satura Shallo FAC-I	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) dege Patterns (B10) deason Water Table (C2) sh Burrows (C8) dation Visible on Aerial Image ow Aquitard (D3) Neutral Test (D5)	uired)ne)
PROLOGY etland Hydro imary Indicate Surface Water Mark Sediment D Drift Deposi Surface Soi Inundation Water-Stain eld Observati urface Water F ater Table Presence Indudes capilla	Ilogy Indicators: ors (minimum of on ater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	ne) riverine) nagery (B7	Salt Crus Salt Crus Salt Crus Siotic Crus Aquatic In Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere e of Reduced on Reductior k Surface (Complain in Remember):	(B13) r (C1) s along L Iron (C4) i in Tilled 7) arks)	iving Roo Soils (C6	Secondary Water Sedim Drift D Draina ts (C3) Dry-S Crayfi Satura Shallo FAC-I	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) ment Deposits (B3) (Riverine) mage Patterns (B10) meason Water Table (C2) meason Water Table (C2) meason Water Table (C3) meason Wisible on Aerial Image may Aquitard (D3) meason Water Test (D5)	uired)ne)
Properties of the properties o	Ilogy Indicators:	ne) riverine) nagery (B7	Salt Crus Salt Crus Salt Crus Siotic Crus Aquatic In Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere e of Reduced on Reductior k Surface (Complain in Remember):	(B13) r (C1) s along L Iron (C4) i in Tilled 7) arks)	iving Roo Soils (C6	Secondary Water Sedim Drift D Draina ts (C3) Dry-S Crayfi Satura Shallo FAC-I	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) ment Deposits (B3) (Riverine) mage Patterns (B10) meason Water Table (C2) meason Water Table (C2) meason Water Table (C3) meason Wisible on Aerial Image may Aquitard (D3) meason Water Test (D5)	uired)ne)
Processor of the control of the cont	Ilogy Indicators: ors (minimum of on ater (A1) Table (A2) (A3) Its (B1) (Nonriverir Deposits (B2) (Nonriverir Il Cracks (B6) Visible on Aerial Indicated Leaves (B9) Ilons: Present? Yellors: P	ne) riverine) nagery (B7	Salt Crus Salt Crus Salt Crus Siotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) st (B12) nvertebrates n Sulfide Odo Rhizosphere of Reduced on Reduction k Surface (C xplain in Rem nches): nches): photos, prev	(B13) r (C1) s along L Iron (C4) n in Tilled 7) arks)	iving Roo Soils (C6 Wetla ections),	Secondary Water Sedim Drift E Draina ts (C3) Dry-S Satura Shalla FAC-I	Indicators (2 or more required Marks (B1) (Riverine) Inent Deposits (B2) (Riverine) Inent Deposits (B3) (Riverine) Inent Deposits (B10) Inequality (B10) Inequa	gery (C9)
Processing of the control of the con	Ilogy Indicators: ors (minimum of on ater (A1) Table (A2) (A3) Its (B1) (Nonriverir Deposits (B2) (Nonriverir Il Cracks (B6) Visible on Aerial Indicated Leaves (B9) Ilons: Present? Yellors: P	ne) riverine) nagery (B7	Salt Crus Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nivertebrates n Sulfide Odo Rhizosphere of Reduced on Reduction k Surface (Coplain in Remember):	(B13) r (C1) s along L Iron (C4) n in Tilled 7) arks)	iving Roo Soils (C6 Wetla ections),	Secondan Water Sedim Drift D Drains ts (C3) Dry-S Crayfi Satura Shallo FAC-I	Indicators (2 or more required Marks (B1) (Riverine) Inent Deposits (B2) (Riverine) Inent Deposits (B3) (Riverine) Inent Deposits (B10) Inent Deposits (B10) Inequality (B10) In	gery (C9)
Processing of the control of the con	Ilogy Indicators: ors (minimum of on ater (A1) Table (A2) (A3) is (B1) (Nonrivering opposits (B2) (Nonrivering of on Aerial Interest (B3) (Nonrivering opposits (B4)) ions: Present? Ye ent? Ye	ne) riverine) nagery (B7	Salt Crus Salt Crus Salt Crus Solt Solt Crus Solt Solt Crus Solt Solt Solt Crus Solt Solt Solt Solt Solt Solt Solt Solt	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere e of Reduced on Reduction k Surface (C cplain in Rem nches):	(B13) r (C1) s along L Iron (C4) i in Tilled 7) arks)	wetlate ections),	Secondary Water Sedim Drift E Draina ts (C3) Dry-S Satura Shallo FAC-I	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) ment Deposits (B3) (Riverine) ment Deposits (B10) meason Water Table (C2) meason Water Table (C2) meason Water Table (C2) meason Water Table (C3) meason Water Table (C5) meason Water Table (C6) meason Water Tabl	o X
Processing of the control of the con	Ilogy Indicators: ors (minimum of on ater (A1) Table (A2) (A3) Its (B1) (Nonriverir Deposits (B2) (Nonriverir Il Cracks (B6) Visible on Aerial Indicated Leaves (B9) Ilons: Present? Yellors: P	ne) riverine) nagery (B7	Salt Crus Salt Crus Salt Crus Solt Solt Crus Solt Solt Crus Solt Solt Solt Crus Solt Solt Solt Solt Solt Solt Solt Solt	t (B11) ust (B12) nvertebrates n Sulfide Odo Rhizosphere e of Reduced on Reduction k Surface (C cplain in Rem nches):	(B13) r (C1) s along L Iron (C4) i in Tilled 7) arks)	wetlate ections),	Secondary Water Sedim Drift E Draina ts (C3) Dry-S Satura Shallo FAC-I	Indicators (2 or more required Marks (B1) (Riverine) Inent Deposits (B2) (Riverine) Inent Deposits (B3) (Riverine) Inent Deposits (B10) Inent Deposits (B10) Inequality (B10) In	o X

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.	ATA FORM – Arid West Region
Project/Site: City/Cou	unty: Swism City/Solano Sampling Date: 6-76-76
Applicant/Owner: V5 Power	State: CA Sampling Point: SP-5
Investigator(s): Status Walls Minth Ridger Section.	Township, Range: 3N IE Z3
Landform (hillslope, terrace, etc.):	
Subregion (LRR):	
Soil Map Unit Name: TAMBA MUCKY CLAY MILLA 16	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	
Are Vegetation, Soil, or Hydrology significantly disturbed	/ /
Are Vegetation, Soil, or Hydrology naturally problematic	
SUMMARY OF FINDINGS – Attach site map showing samp	ling point locations, transects, important features, etc.
Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No	s the Sampled Area within a Wetland? Yes No
Remarks: Strong indicators of hydrophytic Veo	etation and without bydrology as
well so loudsupe porten Proflemate	Leydin soil likely; scagonally
ponde	d soil.
VEGETATION – Use scientific names of plants.	
Absolute Domin	ant Indicator Dominance Test worksheet:
Tree Stratum (Plot size:)	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 (Plot size:)	That Are OBL, FACW, or FAC: (A/B)
1	Prevalence Index worksheet:
2	
3,	OBL species x 1 = FACW species x 2 =
4	FAC species x 3 =
5	Cover FACU species x 4 =
Herb Stratum (Plot size: 559,FT.)	LIDI energies y 5 =
1. Distriblis spicata	FAC Column Totals: (A) (B)
2. Polypogon monospoliensis 5 Y	<u>raew</u>
3,	Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
4	Dominance Test is >50%
5	Prevalence Index is ≤3.0¹
6	Morphological Adaptations ¹ (Provide supporting
8.	data in Remarks or on a separate sheet)
\mathcal{V} = Total	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)	¹ Indicators of hydric soil and wetland hydrology must
1	be present, unless disturbed or problematic.
2	Cover Hydrophytic
	Vagatation
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Present? Yes X No
Remarks:	
V V	9

	_

Sampling Point: 51-5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix			Features				
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
							8B	
0-10	2,54 3/1	100					Clan	
'-				-			0	
			-					
l								6.1.0
10-15.2	25 104R3/2	100					Clay	Slight horizon of sand
							U	0 0
)·	
							·	
r								
	Concentration, D=Depl					Sand G		ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LF	RRs, unless other	wise noted.)		Indicators f	for Problematic Hydric Soils ³ :
Histoso	ol (A1)		Sandy Redo	x (S5)			1 cm M	uck (A9) (LRR C)
Histic E	Epipedon (A2)		Stripped Ma	trix (S6)			2 cm M	uck (A10) (LRR B)
Black F	Histic (A3)		Loamy Mucl	ky Mineral (F	1)		Reduce	d Vertic (F18)
	en Sulfide (A4)		Loamy Gley	ed Matrix (F	2)			rent Material (TF2)
	ed Layers (A5) (LRR C	;)	Depleted Ma				Other (E	Explain in Remarks)
	luck (A9) (LRR D)		Redox Dark	•	•		,	
	ed Below Dark Surface	e (A11)	Depleted Da	,			2	
	ark Surface (A12)		Redox Depr					of hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Pools	s (F9)				ydrology must be present,
	Gleyed Matrix (S4)						unless dis	sturbed or problematic.
	Layer (if present):							
	CLAY		_					\checkmark
Depth (ir	nches):O -] (5.25					Hydric Soil F	Present? Yes No X
Remarks:	Thely seaso	00	1 1 '0	e . ==	-4	-1	. 0 .	9
	Likely seaso	nally 10	nded soil	due 4	5 res	men	m vay	sayer.
)	Ο,					V	9
HYDROLC	OGY							
Wetland Hy	drology Indicators:							
large and	icators (minimum of or	ne required: o	check all that apply	1			Second	dary Indicators (2 or more required)
	e Water (A1)	TO TO GOT TO	X Salt Crust	7				ater Marks (B1) (Riverine)
			Biotic Crus					ediment Deposits (B2) (Riverine)
	ater Table (A2)			ertebrates (l	212)			ift Deposits (B3) (Riverine)
	ion (A3)	\						
	Marks (B1) (Nonriveri			Sulfide Odor		dan Dae		ainage Patterns (B10)
	ent Deposits (B2) (Non	-		hizospheres		ving Roc		y-Season Water Table (C2)
l . /	eposits (B3) (Nonriver	ine)		f Reduced I	, ,	2-11-701		ayfish Burrows (C8)
	e Soil Cracks (B6)			Reduction		Soils (Ct		turation Visible on Aerial Imagery (C9)
Inundat	tion Visible on Aerial Ir	magery (B7)		Surface (C7	•			nallow Aquitard (D3)
Water-S	Stained Leaves (B9)		Other (Exp	lain in Rema	ırks)		FA	C-Neutral Test (D5)
Field Obser	rvations:		. /	-	`			
Surface Wa	ter Present? Ye	esNo	Depth (inc	hes):)			/
Water Table	e Present? Ye	esNo	Depth (inc	hes):)			\checkmark
Saturation F		es No	V /	1)	Wetl	and Hydrology	Present? Yes No
	pillary fringe)			/;			,	10
	ecorded Data (stream	gauge, moni	toring well, aerial p	hotos, previ	ous inspe	ections),	if available:	
								s IVe
Remarks:		. 0	0 1	-1-	4	t -	- N	l m
	Brothe count i	is bookings	in should in	2 char	nema	anc.	yourned	leages anven
MAN	Aure laner	v. 9200	1 / Shittle.	golf cu	not 1	LAM	maprio	tion of soline
1	1	Post	/	2		//		11
	IV. ALALL	A N V I	VI 2-			V		V
SW	file waln.	1WN	Reverence			V	-	tion of soline

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 DATA FORM — Arid West Region

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λ.	W	-/-	4	V
~		4	-	-)

Project/Site: Collinsville	City/Cou	ntv: Suisun	City/Solanos	ampling Date: 07-07-24
Applicant/Owner: US Power				ampling Point: 5P-6
Investigator(s): Sidvley Wells, Christina Rodin	AVEZ Section.	Township, Range:	3N IE	23
Landform (hillslope, terrace, etc.):				Slope (%):
Subregion (LRR):	Lat: 38.08			312 Datum: NAW 198
Soil Map Unit Name: TAMBA MUCKY CLA				
Are climatic / hydrologic conditions on the site typical for this t		14		
Are Vegetation, Soil, or Hydrology sig				sent? Yes No
Are Vegetation, Soil, or Hydrology nat			d, explain any answers i	
SUMMARY OF FINDINGS – Attach site map si		•		
V				SW
	Is	the Sampled Are	a	V 11/25/24
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	w	ithin a Wetland?	Yes	No_X 11/25/24
Remarks:				
Tomano.				
VEGETATION – Use scientific names of plants				
	Absolute Domina % Cover Specie	0.11	ominance Test workshounder of Dominant Spec	
1,		INU	at Are OBL, FACW, or F	
3			tal Number of Dominant ecies Across All Strata:	1
4		Po	rcent of Dominant Spec	ies
Sapling/Shrub Stratum (Plot size:)	= Total		at Are OBL, FACW, or F	
1.		Pro	evalence Index worksh	neet:
2,			Total % Cover of:	Multiply by:
3				x 1 =
4				x 2 =
5				x 3 =
Herb Stratum (Plot size: 554.ft.)	= Total		-	x 4 = x 5 =
1. Rumen crispus	15 N	t-Ac		X3 (B)
2. Disticulis soicata	80 4	FAC	Juliii Totals.	
3. Brassica nigra	5 N			B/A =
4. Lepiaium latifolium	NN	100 D100000	drophytic Vegetation	
5			Dominance Test is >5	
6,			Prevalence Index is ≤	
7.			_ Morpnologicai Adapta data in Remarks oi	tions ¹ (Provide supporting r on a separate sheet)
8	101		_ Problematic Hydrophy	rtic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	Total	Cover		
1				nd wetland hydrology must
2		be	present, unless disturbe	ed or problematic.
	= Total		drophytic getation	
% Bare Ground in Herb Stratum % Cover of		Pr	esent? Yes_	
seems alive. The dead forms a s would be due to wind based on	racly dead	aznotimo	tely 5 % AA	solute cover
reams alive. The dead lams a s	men In Ro	mat some	L to at L	exection, which.
well be due to wind based on	West out	totler al	ants	C-00/0/40 - 0/4000
When are once	2 30)	1-0	UNITED STORES	

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•	<i>1</i> 1		

Profile Description: (Describe to the de	pth needed to docum	ent the indicator	or confirm	the absence of	indicators.)	
Depth Matrix		Features				
(inches) Color (moist) %	Color (moist)	%Type ¹	Loc ²	Texture	Remarks	
0-6 25/3/1 99	104R3/3		PU_	Clars		
0 0 213 17 11	<u> </u>			()		
	·					
6-15.5 IDYR 4/2 939	75YR4/K	720 C	MPL	. CA		
0 1510 1011 12	1621	<u> </u>	- 11-			
¹ Type: C=Concentration, D=Depletion, RN	A-Dodugod Matrix CS:	-Covered or Cost	od Sand Gr	rains ² l ocati	ion: PL=Pore Lining, M=Ma	atrix
Hydric Soil Indicators: (Applicable to al	I I PRe unless others	vise noted)	ed Sand Oi		r Problematic Hydric Soil	
			×		•	
Histosol (A1)	Sandy Redox				ck (A9) (LRR C) ck (A10) (LRR B)	
Histic Epipedon (A2)	Stripped Mat			_		
Black Histic (A3)		y Mineral (F1)			Vertic (F18)	
Hydrogen Sulfide (A4)		ed Matrix (F2)			ent Material (TF2)	
Stratified Layers (A5) (LRR C)	Depleted Ma			Other (E)	xplain in Remarks)	
1 cm Muck (A9) (LRR D)	Redox Dark					
Depleted Below Dark Surface (A11)		rk Surface (F7)		31	hydrophytic vegetation and	
Thick Dark Surface (A12)	Redox Depre				drology must be present,	
Sandy Mucky Mineral (S1)	Vernal Pools	(F9)			urbed or problematic.	
Sandy Gleyed Matrix (S4)				uniess disti	urbed of problematic.	
Restrictive Layer (if present):						
Type:					✓	
Depth (inches): 0 0-15.5				Hydric Soil Pr	resent? Yes N	°
Remarks:					/	
[
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of one require	nd: check all that annly	\ <u></u>		Seconda	ary Indicators (2 or more rec	quired)
					er Marks (B1) (Riverine)	
Surface Water (A1)	Salt Crust (inal
High Water Table (A2)	Biotic Crust				iment Deposits (B2) (River	ine)
Saturation (A3)		ertebrates (B13)			Deposits (B3) (Riverine)	
Water Marks (B1) (Nonriverine)		Sulfide Odor (C1)			inage Patterns (B10)	
Sediment Deposits (B2) (Nonriverine)) Oxidized RI	nizospheres along	Living Roc	ots (C3) Dry-	-Season Water Table (C2)	
Drift Deposits (B3) (Nonriverine)	Presence o	f Reduced Iron (C	(4)	Cray	yfish Burrows (C8)	
Surface Soil Cracks (B6)	Recent Iron	Reduction in Tille	ed Soils (C6	6) Satu	uration Visible on Aerial Ima	agery (C9)
Inundation Visible on Aerial Imagery (I	37)) Thin Muck :	Surface (C7)		Sha	llow Aquitard (D3)	
Water-Stained Leaves (B9)		ain in Remarks)		FAC	C-Neutral Test (D5)	
Field Observations:				4	-	1 4-
	No X Depth (inc	hes). O'		B60	· B7 not shony	melieus
		100.00				1 Aug
	No Depth (inc				2	X ye
	No Depth (inc	hes):	Weti	and Hydrology F	Present? Yes N	lo Signson
(includes capillary fringe) Describe Recorded Data (stream gauge, m	nonitoring well, aerial n	hotos, previous in	spections).	if available:		
Bossibo (Goordon Bata (Stream gauge, II	.ctorning mon, donar p		1			
Remarks:	for cracks un	der dense	vesitati	no but low	hs to be possible	cont
men crusty + had potential	0. 1 ++	3.5 (S.5) (M.	1000	4.0	the some con p	
testprints causing lots of	indeniming of	CHANGE - 47WA	4	a data	a likel duana	RAIN Season
with Landrige prostion	indicate was	surface in	Jeves -	1	· and	makin = 5
	Toroted on the		without	& level	4 restrictive las	yen
ARL B NOTHWO MILLS CONSTITUTION	Cho or all little	T IV				

W-22)

WETLAND DETERMINATION DATA FORM - Arid West Region

WEILAND DE		And Vest region
Project/Site: COLINS VILLE	City/County: S41	SUNCTY SOLAND Sampling Date: JULY 1, 2
		State: CA Sampling Point: 3P- I
Investigator(s): SWELLS + CYROLRIGUEZ	Section, Township	, Range: 3N IE 23
Landform (hillsland torrace ata):	Local relief (conca	ave convex none): MML Slone (%): Ø
Subregion (LRR):	Lat: 38.08247°	1 Long: -121.838864 Datum: NAD 1
Soil Man Unit Name: TAMBA MUCKY C	LAY MLIAIL	NWI classification: FRESHWATEREM
Are climatic / hydrologic conditions on the site typical fo	. 1	1 1 7 6 4 11
Are Verestation Soil or Hydrology	eignificantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology		(If needed, explain any answers in Remarks.)
		nt locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	- Is the Sam	A SECOND CONTROL OF THE CONTROL OF T
Hydric Soil Present? Yes Wetland Hydrology Present? Yes		etland? Yes No
Remarks:	1 - 1 - 1	1: 0
form/lever.	gher was ourse	nding area - mayte a
VEGETATION – Use scientific names of p	olants.	
	Absolute Dominant Indica	SHAND THE PROPERTY OF THE PROPERTY AND CONTRACT AND CONTR
<u>Tree Stratum</u> (Plot size:) 1	% Cover Species? Statu	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: (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 =
U +	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: S meta)	1500 N	UPL species x 5 =
1. toenialum vulgare 2. Lepidium latifolium	2 % N +A	Column Totals: (A) (B)
3. Juneus Spp. (baltimo?)	90% V FAC	Prevalence Index = B/A =
4.		Hydrophytic Vegetation Indicators:
5		✓ Dominance Test is >50%
6		Prevalence Index is ≤3.0 ¹
7		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)		1
1		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum % 0	Cover of Biotic Crust	Vegetation Present? Yes No
Remarks: 10 tolonger found to 1 il	MUS SON OSTATIO	W. T Lot.
and on the botanial surveyo	completed for the pro	lly J. baltions or J. mexicanus
, , , ,		

mpling Point: SP-1

Define the Control of			Sampling Point: SP
Profile Description: (Describe to the dept		confirm the absence	of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features	T	2
11/	Color (moist) % Type ¹	Loc ² Texture	Remarks
D-45 JOVE 2/1 100		losa_	97 - 11
4.5-15 2.5 4R3/2 100			
2/30 10 100		Sa	·
	· · · · · · · · · · · · · · · · · · ·		
			4.5
¹ Type: C=Concentration, D=Depletion, RM=	Reduced Matrix CS=Covered or Coated S	Sand Grains 21 occ	ation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all I			or Problematic Hydric Soils ³ :
Histosol (A1)	The state of the s		
Histic Epipedon (A2)	Sandy Redox (S5)		uck (A9) (LRR C)
1 2	Stripped Matrix (S6)		uck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)		d Vertic (F18)
Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C)	Loamy Gleyed Matrix (F2)		rent Material (TF2)
1 cm Muck (A9) (LRR D)	Depleted Matrix (F3)	Other (E	Explain in Remarks)
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)Depleted Dark Surface (F7)		
Thick Dark Surface (A12)		3,,,	
Sandy Mucky Mineral (S1)	Redox Depressions (F8)		f hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	Vernal Pools (F9)		ydrology must be present,
Restrictive Layer (if present):		uniess dis	turbed or problematic.
175 N W N			
Type:	,		\checkmark
Depth (inches):		Hydric Soil F	Present? Yes No
Remarks:	0 h 0 has /	0 - 0-	+
Lanasage pour	looks to be a berm/	while result	or of surround
area.			J
HYDROLOGY			
Wetland Hydrology Indicators:			
Primary Indicators (minimum of one required;	check all that apply)	Sacand	ary Indicators (2 or more required)
		- Control	
Surface Water (A1)	Salt Crust (B11)		ter Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)		diment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Dri	ft Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	— Hydrogen Sulfide Odor (C1)	Dra	inage 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)	Cra	yfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled So	oils (C6) Sat	uration Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7)	The state of the s		allow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)		C-Neutral Test (D5)
Field Observations:			
	o Depth (inches):		
MATERIAL CONTROL OF THE PROPERTY OF THE PROPER			. /
Water Table Present? Yes N		2002	X
	o Depth (inches):	Wetland Hydrology	Present? Yes No /
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	·	tions) if available:	
		nonsi, ii avalladie	
besome recorded bata (stream gauge, mon	itoring well, aerial photos, previous inspec	,,	
	3		
	3		ما م
	3		under + mo signs
	3		under + no signs
	3		under + no signs

WETLAND DETERMINATION DATA FORM - Arid West Region

[W22

VIETERIO DETERMINATION DATATORM	The Control of the Co
	IN CITY /SOLANO Sampling Date: 07-01-24
Applicant/Owner: US POWEY	State: Sampling Point:
Investigator(s): Sidvely Wells Christina Rodri quez Section, Township, Ra	ange: 3N 1E 23
Landform (hillslope, terrace, etc.): Flot Local relief (concave,	convex, none): None Slope (%):
Subregion (LRR): C Lat: 38.082455	Long: -121.839133 Datum: NAO198
Soil Map Unit Name: TAMBA MUCKY CLAY, MLRA 16	
Are climatic / hydrologic conditions on the site typical for this time of year? YesNo _	VACE TAIL
	"Normal Circumstances" present? Yes No
	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point	
Hydrophytic Vegetation Present? Yes No Is the Sample	prints of
Hydric Soil Present?	×
Wetland Hydrology Present? Yes No within a Wetla	nd? Yes No
Remarks: Nedox and olidized Mugospheres along livers both put fauly 28 - therefore not strong undic	stors for both soil + hydrology.
VEGETATION – Use scientific names of plants.	¢b= ·
Absolute Dominant Indicator Tree Stratum (Plot size:)	Dominance Test worksheet:
1	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2	Total Number of Dominant
3	Species Across All Strata: (B)
6 = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 50 % (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 =
	FACU species x 4 =
Herb Stratum (Plot size: SSQFT) 1. Lepidium latifilium 20 N FAC	UPL species x 5 =
1. lepidium latifilium 20 IV FAC 2. Heliotropium curassavicum 60 Y FACU	Column Totals: (A) (B)
3. Schoenoplectus americanus 25 V OBL	Prevalence Index = B/A =
4. dead sticks (maybe BrassicacEAE) 7	Hydrophytic Vegetation Indicators:
5	Dominance Test is >50%
6	Prevalence Index is ≤3.0 ¹
7	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:	
1	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2 = Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Present? Yes No No
Remarks: Heliotropium curassavicum very dense and S. In this ynothand area L. latifolium nonoculti potential area, may indicate invasion in s	americanus just starting.
In this y without area L. latifolder monoculti	ue nearby in the larger
potential area, may indicate invasion in 3	easonally spended march of

2011

ampling Boints < P-2

Color (moist) % Color (moist) % Texture Remarks A CLO OKGANIC matter Visual SACLO OKGANIC matter Visual (Pg 7) (Pg	rofile Description: (Describe to the de Depth Matrix		Features	.outor C		are absence	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Yest				Γ <u>γpe¹</u>	Loc ²	Texture	
// Jacobiom. De-Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ### Cocation: PL=Pore Lining, M=Matrix. ### dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) ### Histo Epipedon (A2) ### Bisack (H3) ### Listo Epipedon (A2) ### Sandy Redox (S5) ### Listo Epipedon (A2) ### Stratified Layers (A5) (LRR C) ### Depleted Matrix (F3) ### Depleted Gelew Dark Surface (A11) ### Depleted Below Dark Surface (A11) ### Depleted Dark Surface (F7) ### Thick Dark Surface (A12) ### Redox Depressions (F8) ### Sandy Metoy Mineral (S1) ### Sandy Metoy Mineral (S1) ### Sandy Redox Matrix (S2) ### Sandy Redox Matrix (S2) ### Sandy Redox Matrix (S2) ### Sandy Redox Matrix (S3) ### Sandy Redox Matrix (S4) ### Sandy Matrix Matrix (S4) ### Sandy Redox Matr)-5 754R2.5/ 100			-		SACLLO	Organic motter visuals
Histoso (A1) Histoso (A2) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogon Sulfide (A4) Loamy Mucky Mineral (F2) Stratified Layers (A5) (LRR C) Loamy Mucky Mineral (F1) Hydrogon Sulfide (A4) Loamy Gleyed Matrix (F2) Loamy Gleyed Matrix (F2) To minuck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Derk Surface (A11) Depleted Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Wernal Pools (F9) Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Surface Water (A1) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Hydrosoits (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inudes Capillary Present? Yes No Depth (inches): Depth (Inches): Secondary Indicators (B10) Drift Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Surface Water (A1) Saturation Visible on Aerial Imagery (C9) Inudes Capillary Present? Yes No Depth (inches): Depth (Inches): Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No De	-10 IONE 4/1 95	7.5483/4	5	<u>C</u>	M	SAND	C/off masses 7 such s
Indicators (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A1) Histosol (A2) Black Histic (A3) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) Loamy Mucky Mineral (F1) Loamy Mucky Mineral (F2) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Dark Surface (F8) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Hydric Soil Present? Depth (inches):							widehoutles
Histosoi (An) Histosoi (An) Histosoi (An) Sandy Redox (S5) Histosoi (An) Sandy Redox (S5) Black Histic (An) Black Histic (An) Histosoi (An) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Mucky Moleral (F1) How Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A12) Redox Dark Surface (F6) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S2) Sandy Mucky	Double Composition De Doubling Ph	- ————————————————————————————————————		r Coate		rains ² l or	eation: PI =Pore Lining M=Matrix
Histosol (A1) Sandy Redox (S5) White Epipedon (A2) Histo Epipedon (A2) Stripped Matrix (S8) Straitifed Layers (A5) (LRR B) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Mucky (Mineral (F1) Redox Dark Surface (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F3) Depleted Below Dark Surface (A11) Pedox Dark Surface (F3) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Hydric Soil Present? Proper Hydric Soil Present? Water Sandy And Surface (A12) Redox Dark Surface (F3) Popht (inches): Bark Surface (A12) Redox Dark Surface (F8) Popht (inches): Bark Surface (A12) Redox Dark Surface (F8) Popht (inches): Bark Surface (A12) Redox Dark Surface (F8) Popht (inches): Bark Surface (A12) Redox Dark Surface (F8) Popht (inches): Bark Surface (A12) Redox Dark Surface (F8) Popht (inches): Bark Surface (A12) Redox Dark Surface (F8) Popht (inches): Bark Surface (A12) Redox Dark Surface (F8) Popht (inches): Bark Surface (A12) Secondary Indicators (2 or more required) Secondary Indicators (2 or more required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Yes Surface (A12) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C8) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (C9) Thin Muck Surface (T) Wettand Hydrology Present? Yes No Depth (inches): Diversion Present? Yes No Depth (inches): Wettand Hydrology Present? Yes No Depth (inches): Wettand Hydrology Present? Yes No Depth (inches): Over Table Present? Yes No Depth (inches): No Depth (inches): Wettand Hydrology Present? Yes No Depth (inches): No Depth (inches): No D					J Gariu G		
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) Repair Material (TF2) Depleted Matrix (F3) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9 (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9 (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9 (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9 (LRR C) Depleted Dark Surface (F6) Depleted Below Dark Surface (A12) Redox Depressions (F8) 1 sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland hydrology must be present, unless disturbed or problematic. 1 strictive Layer (if present): 1		. /			200	1 cm N	Muck (A9) (LRR C)
Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Depleted Dark Surface (A12) Redox Dark Surface (F7) Thick Dark Surface (A12) Redox Dark Surface (F7) Redox Dark Surface (A12) Redox Dark Surface (A12) Redox Daressions (F8) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sartificity Layer (if present): Type: Depth (inches): Secondary Indicators (2 or more required) Secondary Indicators (2 or more required) Secondary Indicators (B3) (Riverine) Depth (Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Water Marks (B1) (Nonriverine) Presence of Reduced Iron (C4) Water-Stained Leaves (B9) Other (Explain in Remarks) Think Muck Surface (F7) Think Muck Surface (F7) Think Muck Surface (F7) Think Muck Surface (A12) Surface Water (A1) Presence of Reduced Iron (C4) Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches): No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches): Director Table Present? Yes No Depth (inches): No Dept	The state of the s						
Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Bellow Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Sandy Mucky Matrix (S4) Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if present): Type: Depth (inches): marks: marks: Matrix Answar of Z and Last 2th Law Answard Layer and Layer (F2) and Layer (F2) and Layer (F3) and Layer	Black Histic (A3)	Loamy Muck	ky Mineral (F	1)		Reduc	ed Vertic (F18)
Cern Muck (A9) (LRR D)				2)			
Depleted Below Dark Surface (A11)						Other	(Explain in Remarks)
Thick Dark Surface (A12)	7. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.						
Sandy Mucky Mineral (S1)						31-4:	of hudernhutic variation and
Sandy Gleyed Matrix (S4) unless disturbed or problematic. tricitive Layer (if present): [Pype:		The second secon					
trictive Layer (if present): Type: Depth (inches): Dep		vernal Pools	s (F9)				그래마 그로 아무리 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은
Type:	The state of the s					1 11000 0	
marks: Matrix chroma of 2 and listed to the commentation of the co							201 12010
tland Hydrology Indicators: mary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Salt Crust (B12) Saturation (A3) Water Marks (B1) (Riverine) Saturation (A3) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Riverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Other (Explain in Remarks) Depth (inches): Surface Water Present? Yes No Depth (inches): Depth (inches): Surface Wetland Hydrology Present? Yes No Depth (inches): Depth (inches): Surface Wetland Hydrology Present? Yes No Depth (inches): Surface Soil Cracks (Stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Secondary Indicators: Mary Indicators (minimum of one required: check all that apply) Secondary Indicators (2 or more required)		Zor les.	+ 2% 1	udex	ance		
Secondary Indicators (2 or more required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Sediment Deposits (B3) (Riverine) Sediment Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B3) (Riverine) Sediment Deposits (B3) (Riverine) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Fresence of Reduced Iron (C4) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Other (Explain in Remarks) Depth (inches): Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Ves No Depth (inches): Depth (inches	marks: Mature chroma of more than 20% - en visually soil texture	Z or less.	+ 2% 1 redox ~(p.29).	when wind not d	uner		ani water at ourful
Sulface 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) Voidzed Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine)	marks: Matrix chroma of more than 20% - en visually-soil texture DROLOGY	Z or less.	÷ 2% 1 redox ~(p.29).	when wind not d	uner		ani water at ourfue
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Saturation (A3)	narks: Matrix chroma of more than 2000 - len Visually soil type. DROLOGY tland Hydrology Indicators: nary Indicators (minimum of one require	ed; check all that apply	y)	viol not d	the.	ntrations Itigh or due to CI	sony soils Sony soils Sony soils And w
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Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Id Observations: face Water Present? Yes No Depth (inches): Outher (Explain in Remarks) Outher (Explain in	DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	ed; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of	(B11) t (B12) rertebrates (I Sulfide Odor hizospheres of Reduced I	B13) (C1) along L ron (C4	Living Roo	Secondary CI Se	and watter at our fue. Somy Soil S And w Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) wrift Deposits (B3) (Riverine) rainage Patterns (B10) ray-Season Water Table (C2) trayfish Burrows (C8)
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scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one require 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 (E) Water-Stained Leaves (B9) Id Observations: face Water Present? Yes	ed; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) It (B12) Pertebrates (If Sulfide Odor hizospheres of Reduced In Reduction Surface (C7 lain in Remaches):	B13) (C1) along L ron (C4 in Tilled	Living Roo	Secondary CI Se	indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) irrit Deposits (B3) (Riverine) irritage Patterns (B10) irry-Season Water Table (C2) irrayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
marks: observed along living vroots, but very low percentage overall	DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one require 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 (E Water-Stained Leaves (B9) Id Observations: face Water Present? ter Table Present? yes uration Present? Yes uration Present? Yes	ed; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Thin Muck Other (Exp	(B11) t (B12) rertebrates (I Sulfide Odor hizospheres of Reduced In Reduction Surface (C7 lain in Rema	B13) (C1) along L ron (C4 in Tilled	Living Roo Soils (Co	Secondary CI Se	indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) irrith Deposits (B3) (Riverin
	DROLOGY Italiand Hydrology Indicators: mary Indicators (minimum of one required 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 (Bay Water-Stained Leaves (B9) Ind Observations: Iface Water Present? Inter Table Present? Yes Inter Table Present? Yes Inter Table Present? Yes Inter Table Present? Yes Inter Table Present? Yes Inter Table Present? Yes Inter Table Present? Yes Inter Table Present? Yes Inter Table Present? Yes Inter Table Present? Yes Inter Table Present? Yes Inter Table Present? Yes	ed; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) It (B12) Pertebrates (If Sulfide Odor hizospheres of Reduced In Reduction Surface (C7 lain in Remaithes):	B13) (C1) s along L ron (C4 in Tilled) arks)	Living Roo) SAVEL Soils (Co	Secondary Colors (C3)	indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) irrith Deposits (B3) (Riverin

W-22

Project/Site: COLLINS VILLE	City/County: 54154	W CITY /SOLANO Sampling Date: JULY 1 2024
Applicant/Owner: LS POWER		State: CA Sampling Point: SP - 3
Investigator(s): S.WELLS + CY. POPRIGO		
Landform (hillslope, terrace, etc.):		
		Long: _121.8399 4Z Datum: NAV 198
	V- 10	
		NWI classification: THE HUMTER EMERCH
Are climatic / hydrologic conditions on the site typical for the	nis 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 ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sampling point I	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No Is the Sampled	I Area
Hydric Soil Present? Yes	No within a Wetlan	nd? Yes No
	NO	400
Remarks: Strong undicators of he problematic degline soil libilly se	asorally pooled.	an & without hydrology.
VEGETATION – Use scientific names of pla	nts.	
	Absolute Dominant Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 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	= 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 =
_	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: SSAFT) 1. Schoe no plectus acutus	45 X OBL	UPL species x 5 =
2. Polypagan monspeliensis	70 V Fac w	Column Totals: (A) (B)
3. Heliotropium cupassaviam	5 N FACY	Prevalence Index = B/A =
		Hydrophytic Vegetation Indicators:
4 5		Dominance Test is >50%
6.		Prevalence Index is ≤3.0¹
7		Morphological Adaptations ¹ (Provide supporting
8.		data in Remarks or on a separate sheet)
	70 = Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)		/
1		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		
% Bare Ground in Herb Stratum % Cove	= Total Cover	Hydrophytic Vegetation Present? Yes No
Remarks:	· · · · · · · · · · · · · · · · · · ·	
	¥ II	
	in Comment	

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SOIL			Sampling Point:
Profile Description: (Describe to the depth needed to docu		onfirm the absence of in	dicators.)
Depth Matrix Red (inches) Color (moist) % Color (moist)	ox Features %Type ¹ L	oc² Texture	Remarks
0-4 7.54RZ5/1 100		SANDY CLAY	
4-14 10YR 3/1 100		SAND	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, C	S=Covered or Coated S	and Grains. ² Location	ı: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable to all LRRs, unless other			Problematic Hydric Soils ³ :
Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Loamy Gle Depleted M Redox Dar Depleted E	latrix (S6) cky Mineral (F1) byed Matrix (F2) Matrix (F3) ck Surface (F6) Dark Surface (F7) bressions (F8)	2 cm Muck Reduced Ve Red Parent Other (Expl	(A9) (LRR C) (A10) (LRR B) ertic (F18) Material (TF2) ain in Remarks) drophytic vegetation and blogy must be present,
Sandy Gleyed Matrix (S4)	V		ped or problematic.
Restrictive Layer (if present):			,
Type: SANDY CLAY			. 1
Depth (inches):		Hydric Soil Pres	ent? Yes No_X
parley require aufore layer = rando mother Comp on Seagnally YDROLOGY	y day > do I Ponded pro	g could present bydin	e soil.
Vetland Hydrology Indicators:			
rimary Indicators (minimum of one required; check all that app	ls/)	Secondary	Indicators (2 or more required)
Surface Water (A1) Salt Crus High Water Table (A2) Biotic Cru Saturation (A3) Aquatic Ir Water Marks (B1) (Nonriverine) Hydroger Sediment Deposits (B2) (Nonriverine) Oxidized Drift Deposits (B3) (Nonriverine) Presence Surface Soil Cracks (B6) Recent In Inundation Visible on Aerial Imagery (B7) Thin Muc Water-Stained Leaves (B9) Other (Ex	t (B11)	Water Sedim Drift Do Draina ng Roots (C3) Dry-Se Crayfis sils (C6) Satura Shallon	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3) eutral Test (D5)
Field Observations:	- X		
rurface Water Present? Yes No _X Depth (in No _X No _X Depth (in No _X No _X			
Saturation Present? Yes No Depth (in cludes capillary fringe)		51 (250497)	sent? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial	* · · · · · · · · · · · · · · · · · · ·		cline print and
similar vegetation, just mor	e Sacutus	and for	grownd.

WETLAND DETERMINATION DATA FORM - Arid West Region

W-2Z)

Project/Site: COLUINS VILLE City/County: S4154	W CITY/SOLAND Sampling Date: 7-9-24
Applicant/Owner: LS POWER	State: Sampling Point: SP - 4
Investigator(s): CY RODRIGUEZ + 5 WELLS Section, Township, Rai	그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
	,
Landform (hillslope, terrace, etc.):	-17 PU > 7 5 10pe (%):
Subregion (LRR):	
Soil Map Unit Name: TAMBA MUCKY CLAY, MURGA 16	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No	2/
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "	"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No Is the Sampled	
is the Sampled	
Wetland Hydrology Present? Yes No within a Wetlan	nd? Yes NoX
Remarks: In the larger sotential without area, Les	military milotible milities
monoculture may be Manging the buydrology &	can be associated up slightly
Super areas of Elevation!	
VEGETATION – Use scientific names of plants.	
Absolute Dominant Indicator Tree Stratum (Plot size:)	Dominance Test worksheet:
	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1	mat Ale OBE, I AOW, OI I AO(A)
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)
Sapling/Shrub Stratum (Plot size:)	Prevalence Index worksheet:
1	Total % Cover of: Multiply by:
3	OBL species x1 =
4.	FACW species x 2 =
5.	FAC species x 3 =
= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: SSEFT.)	UPL species x 5 =
1. LEPIDIUM LATIFOLIUM 80 FAC	Column Totals: (A) (B)
2. POLYPOGON MONOSPELIENSIS 10 N FACEW	
3. DISTICHLIS SPICATA 35 Y FAC	Prevalence Index = B/A =
4	Hydrophytic Vegetation Indicators:
5	Dominance Test is >50% Prevalence Index is ≤3.0¹
6	Morphological Adaptations ¹ (Provide supporting
7	data in Remarks or on a separate sheet)
8	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)	
1	¹ Indicators of hydric soil and wetland hydrology must
2	be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Hydrophytic Vegetation Present? Yes No
agridum dauforum invaria area / w	
and likely & slightly light alevation I bridging	over up hydrology (potential
without area).	,

-	-	
•	7	

SOIL	Sampling Point:
Profile Description: (Describe to the depth needed to document the indicator	or confirm the absence of indicators.)
Depth Matrix Redox Features	N *
(inches) Color (moist) % Color (moist) % Type ¹	Loc ² Texture Remarks
	tull of note + plant material
0-3.5 64 2.5/1	SA CL
3515 54 3/1 99 7.54R 4/8 1 C	M SAND
2 15 5 7 7 1 1 2:0 1/10 1 5	- I Shar
	
	· ·
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coate	ed Sand Grains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
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)	
Depleted Below Dark Surface (A11) Bepleted Dark Surface (A12) Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	unless disturbed or problematic.
Restrictive Layer (if present):	0
Type: SANDY CVAY	
Depth (inches): 0 - 3.5	Hydric Soil Present? Yes No
heart vituative layer & voto a plant noticial	
YDROLOGY	2
Vetland Hydrology Indicators:	ø
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	
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C-	
Surface Soil Cracks (B6) Recent Iron Reduction in Tille	
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Other (Explain in Remarks) iteld Observations:	FAC-Neutral Test (D5)
surface Water Present? Yes No Depth (inches):	
	_
Vater Table Present? Yes No/ Depth (inches):	-
Saturation Present? Yes No/_ Depth (inches): includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous ins	spections), if available:
Remarks: an-the immediate surganding areas that	Inde were tation the number out
cracks are apprent as well as the solt and +	
withouts in the ones, Hydrology not observed in	
or lendium latifalium monosulture.	NWI Riverne.

W-2Z

Project/Site: OKNINS MIC		AIKUN City SOLAND Sampling Date: 07-08-24
\ / 0 - • • /		11 0
Applicant/Owner: Sidway Wells, Mystina Radviace		
		~
		ave, convex, none): None Slope (%):
		Long: -121. 840 606 Datum: NAD 11
Soil Map Unit Name: TAMBA MUCKY CLAY, M		
Are climatic / hydrologic conditions on the site typical for this time of y	1	
Are Vegetation, Soil, or Hydrology significantly	The second second second	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling poi	nt locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No	Is the Sam	/
Remarks:	e	
VEGETATION – Use scientific names of plants.		
Absolute	Dominant Indica	tor Dominance Test worksheet:
Tree Stratum (Plot size:) % Coverage 1	r Species? Statu	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
3		Species Across All Strata: (B)
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 =
0	_ = Total Cover	FACU species x 4 =
Herb Stratum (Plot size: 550 FT) 1. Distichlis spicata 30	Y FA	UPL species x 5 =
2. Salicornia pacifica 40	OR	Column Totals: (A) (B)
3. Polypogen monospeliensis	N FAC	Prevalence Index = B/A =
, 0, 0		Hydrophytic Vegetation Indicators:
5		Dominance Test is >50%
6		Prevalence Index is ≤3.0¹
7		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
	_ = Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
1		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
72	_ = Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic		Present? Yes No
Remarks: No Lejudim Latifalium in una Salicania paifica can prefer moe and	nidoste Usien	w5.
Solicomia porque can profit most so		

[W-22]

SOIL

Sampling Point: 59-5

Depth Matrix		c Features			
(inches) Color (moist) %	Color (moist)	%Type	Loc ²	Texture	Remarks
0-5 OYR2/2 100	<u> </u>			<u>Oraz loam</u>	
- 105 .010 2/				921 01	
5-125 104R 2/1				Sity Clay	
= 11 = -11 4/1 92	1010 56	7		<u> </u>	1.
5-165 54 41 93	101/R 5/8	<u> </u>	<u> </u>	Clay R	edox concentrations,
		·			maser
Type: C=Concentration, D=Depletion, I	RM=Reduced Matrix, CS	=Covered or Co	ated Sand G	rains. ² Location	n: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to	all LRRs, unless other	wise noted.)		Indicators for I	Problematic Hydric Soils ³ :
_ Histosol (A1)	Sandy Redo	x (S5)		1 cm Muck	(A9) (LRR C)
_ Histic Epipedon (A2)	Stripped Mat				(A10) (LRR B)
Black Histic (A3)		ky Mineral (F1)		Reduced V	
_ Hydrogen Sulfide (A4)	Loamy Gleye	ed Matrix (F2)			Material (TF2)
Stratified Layers (A5) (LRR C)	X Depleted Ma	atrix (F3)		Other (Expl	ain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark	Surface (F6)			
Depleted Below Dark Surface (A11)	Depleted Da	rk Surface (F7)			
_ Thick Dark Surface (A12) كالماناتان	Redox Depre	essions (F8)		3Indicators of hy	drophytic vegetation and
_ Sandy Mucky Mineral (S1)	Vernal Pools	(F9)		wetland hydro	ology must be present,
Sandy Gleyed Matrix (S4)				unless distur	ped or problematic.
Restrictive Layer (if present):	I bly ton lib true	inchase with			
Type:		, X			\vee
Depth (inches):				Hydric Soil Pres	sent? Yes No
Remarks:					5
Remarks: Redox concentrations as	soft morrer.	> 2% dis	tinot.	montual C	or high value.
	soft morses.	>2% dig	tinct.	-) low Irron	a hip volue.
YDROLOGY	soft morses.	> Z ⁰ 60 Jij	tinot.	-) lavdrom	on hije value.
YDROLOGY Vetland Hydrology Indicators:			tinct.		
YDROLOGY Vetland Hydrology Indicators:	uired; check all that apply)	tind.	Secondary	Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators:)	tinct.	Secondary	
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requ	uired; check all that apply) B11)	tinct.	Secondary Water	Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2)	uired; check all that apply Salt Crust (Biotic Crust) B11) t (B12)		Secondary Water Sedim	Indicators (2 or more required) Marks (B1) (Riverine)
YDROLOGY Wetland Hydrology Indicators: rimary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3)	uired; check all that apply Salt Crust (Biotic Crust Aquatic Inv	r) B11) t (B12) ertebrates (B13)		Secondary Water Sedim Drift D	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	uired; check all that apply Salt Crust (Biotic Crust Aquatic Invo) B11) t (B12) ertebrates (B13) Sulfide Odor (C1		Secondary Water Sedim Drift D	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestriance Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverire	uired; check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor) ng Living Roo	Secondary Water Sedim Drift D Draina	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestriance Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	uired; check all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Dividized Ri Presence o	b) B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron () ng Living Roo C4)	Secondary Water Sedim Drift D Draina ots (C3) Crayfis	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requirement) 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)	sired; check all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Dividized Ri Presence o Recent Iron	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron () ng Living Roo C4)	Secondary Water Sedim Drift D Draina ots (C3) Crayfis Satura	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (CS
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestriance Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	sired; check all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Dividized Ri Presence o Recent Iron	b) B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron () ng Living Roo C4)	Secondary Water Sedim Drift D Draina ots (C3) Crayfis Satura	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requirement) 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)	sired; check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Deliver Crust Aquatic Inv. Hydrogen S Deliver Crust Recent Iron (B7) Thin Muck	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron () ng Living Roo C4)	Secondary Water Sedim Drift D Draina ots (C3) Crayfis Satura Shallo	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (CS
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requirement) 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 Water-Stained Leaves (B9)	sired; check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Deliver Crust Aquatic Inv. Hydrogen S Deliver Crust Recent Iron (B7) Thin Muck	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron (n Reduction in Ti Surface (C7)) ng Living Roo C4)	Secondary Water Sedim Drift D Draina ots (C3) Crayfis Satura Shallo	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9 w Aquitard (D3)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestions) 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 Water-Stained Leaves (B9) Field Observations:	sired; check all that apply Salt Crust (Biotic Crust Aquatic Invo. Hydrogen S Deliver (B7) Thin Muck S Other (Expl.)	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron (n Reduction in Ti Surface (C7) lain in Remarks)) ng Living Roo C4)	Secondary Water Sedim Drift D Draina ots (C3) Crayfis Satura Shallo	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9 w Aquitard (D3)
YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one requestions) 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 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes	sired; check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Depth (inc. No Depth (inc.)	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron (n Reduction in Ti Surface (C7) ain in Remarks) hes):	ng Living Roo C4) Iled Soils (C6	Secondary Water Sedim Drift D Draina ots (C3) Crayfis Satura Shallo FAC-N	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9 w Aquitard (D3) leutral Test (D5)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required 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 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	sired; check all that apply Salt Crust (Biotic Crust Aquatic Invi Hydrogen S a Presence o Recent Iron (B7) Thin Muck S Other (Expl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron (n Reduction in Ti Surface (C7) ain in Remarks) hes):	ng Living Roo C4) Iled Soils (C6	Secondary Water Sedim Drift D Draina ots (C3) Crayfis Satura Shallo	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9 w Aquitard (D3) leutral Test (D5)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requirement) 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 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes	sired; check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Oxidized RI Presence o Recent Iron (B7) Thin Muck S Other (Expl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron (n Reduction in Ti Surface (C7) lain in Remarks) hes):	ng Living Roo C4) Iled Soils (C6	Secondary Water Sedim Drift D Draina ots (C3) Crayfis Satura FAC-N	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9 w Aquitard (D3) leutral Test (D5)
Primary Indicators (minimum of one requestions) 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 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Secribe Recorded Data (stream gauge, or surface)	Salt Crust (Salt Crust (Aquatic Invo Hydrogen S Depth (incl No Depth (incl monitoring well, aerial pl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron (n Reduction in Ti Surface (C7) lain in Remarks) hes): hes): hes):	g Living Roc C4) lled Soils (C6	Secondary Water Sedim Drift D Draina ots (C3) Dry-Se Crayfis Satura Shallo FAC-N and Hydrology Pre	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ige Patterns (B10) eason Water Table (C2) ish Burrows (C8) ition Visible on Aerial Imagery (C9 w Aquitard (D3) leutral Test (D5)
Vetland Hydrology Indicators: Primary Indicators (minimum of one requirement) 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 Water-Stained Leaves (B9) ield Observations: surface Water Present? Yes saturation Present? Yes includes capillary fringe) describe Recorded Data (stream gauge,	Salt Crust (Salt Crust (Aquatic Invo Hydrogen S Depth (incl No Depth (incl monitoring well, aerial pl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron (n Reduction in Ti Surface (C7) lain in Remarks) hes): hes): hes):	g Living Roc C4) lled Soils (C6	Secondary Water Sedim Drift D Draina ots (C3) Dry-Se Crayfis Satura Shallo FAC-N and Hydrology Pre	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ige Patterns (B10) eason Water Table (C2) ish Burrows (C8) ition Visible on Aerial Imagery (C8) w Aquitard (D3) leutral Test (D5)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requirement) 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 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	Salt Crust (Salt Crust (Aquatic Invo Hydrogen S Depth (incl No Depth (incl monitoring well, aerial pl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alor f Reduced Iron (n Reduction in Ti Surface (C7) lain in Remarks) hes): hes): hes):	g Living Roc C4) lled Soils (C6	Secondary Water Sedim Drift D Draina ots (C3) Dry-Se Crayfis Satura Shallo FAC-N and Hydrology Pre	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ige Patterns (B10) eason Water Table (C2) ish Burrows (C8) ition Visible on Aerial Imagery (C9 w Aquitard (D3) leutral Test (D5)

W-27

Project/Site: COLLINS VILLE	City/County: Susur	JCITY/SOLANO Sampling Date: JULY 10, 2021
Applicant/Owner: 15 POWER		State: Sampling Point: SP-6
Investigator(s): C.Y. ROORIGUEZ + S. WELLS		
Landform (hillslope, terrace, etc.):		,
~ 0		
Subregion (LRR): Lat: Lat:		,
Soil Map Unit Name: TAMBA MUCKY CLAM, MI	. /	,
Are climatic / hydrologic conditions on the site typical for this time of		•
Are Vegetation, Soil, or Hydrology significant	tly disturbed? Are	"Normal Circumstances" present? Yes No No
Are Vegetation, Soil, or Hydrology naturally p	problematic? (If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	ng sampling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	- Is the Sample	1 Area
Hydric Soil Present? Yes NoX	within a Wetlar	· /
Wetland Hydrology Present? Yes No	- Within a Wetian	id: No
Remarks: In the larger potential with	and area, Le	Viorgover mulofital mubis
monoculture may be changing It		
slightly higher Jones of ele	witters	
VEGETATION – Use scientific names of plants.		
Absolut	te Dominant Indicator	Dominance Test worksheet:
The state of the s	er 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	<i>\(</i>	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 =
5,4,4	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: 339.11)		UPL species x 5 =
2. SALICOKNIA PACIFICA Z	OBL	Column Totals: (A) (B)
3. LEPIDIUM LATIFOLIUM 25	FAC	Prevalence Index = B/A =
4. DISTICIALLIS SPICATA 90	FAC	Hydrophytic Vegetation Indicators:
5		∑ Dominance Test is >50%
6		Prevalence Index is ≤3.0 ¹
7		Morphological Adaptations ¹ (Provide supporting
8		data in Remarks or on a separate sheet)
_117	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)		The state of the s
1	 	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		Service (Control of the Control of t
d - f	= Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic	Crust	Present? Yes No
Remarks:	Leadeim	Oate Column
Remarks: In the transition area of) para-anti-	The state of the s
monorweum.	3.	

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W-ZZ)

Sampling Point: 5P-6

SUIL								Sampling Point:
Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the	indicator	or confir	m the absence of	findicators.)
Depth	Matrix		Redox	k Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	Loc ²	Texture	Remarks
0-35	2.54 3/2	98	CYR 3/11	7			SACL -	
0-5,5	213/ 41/	18.	3/1/ 1/9				OFF OL	
				,				
3 5 10	10 VA 3/.	<u> </u>	10 1/0 5/1			••	CANO	
13-13	10 115	11.	10 YR 5/6		_ <u>C,cs</u>	101	SAND_	
-								
							-	
¹ Type: C=C	oncentration, D=Dep	letion, RM=	Reduced Matrix, CS	=Covere	d or Coate	d Sand G	rains. ² Locat	ion: PL=Pore Lining, M=Matrix.
	ndicators: (Application							or Problematic Hydric Soils3:
Histosol			Sandy Redo		10 ac-20m1 ♥ //		1 cm Mu	ck (A9) (LRR C)
	pipedon (A2)		Stripped Ma					ck (A10) (LRR B)
Black Hi			Loamy Muck		1 (F1)			Vertic (F18)
The second second	n Sulfide (A4)		Loamy Gley					ent Material (TF2)
	and the second s	• • • • • • • • • • • • • • • • • • • •			(()			xplain in Remarks)
	Layers (A5) (LRR C	•)	Depleted Ma		(E6)		Other (E.	xpiairi iri Remarks)
	ck (A9) (LRR D)	- (444)	Redox Dark					
	Below Dark Surface	e (A11)	Depleted Da				3,	h. d h. d'
	ark Surface (A12)		Redox Depr		F8)			hydrophytic vegetation and
	lucky Mineral (S1)		Vernal Pools	s (F9)				drology must be present,
	leyed Matrix (S4)				3		unless dist	urbed or problematic.
	ayer (if present):							
	3ACL	_						
Depth (inc	ches): 🗢 🗢 3.5	5					Hydric Soil P	resent? Yes No _X
Remarks:								0.01.0
P	many a secon	l are	to confuin -	15	15, Lf	Par	death for	a flust layer fung
()	A le contrait		1	, ,	. 00 .	0.1.	I La. V.	ti Vocal and Socalary
Sangy	bronch during	ix. ha	tentral of		rolly"		1 houldown	30009
CUAN	testure. or	eganiu/	alast matter.	معلممد	-+ ~~	afle i	a first la	for (1987 manual)
UVDDO! O	01/	0 /					9	0
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
Primary Indic	ators (minimum of o	ne required:	check all that apply	()			Seconda	ary Indicators (2 or more required)
Surface 1	Water (A1)		Salt Crust (B11)			Wat	er Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crus					iment Deposits (B2) (Riverine)
	CO. CO. C.				- (D40)			
Saturatio			Aquatic Inv					Deposits (B3) (Riverine)
A	arks (B1) (Nonriveri		Hydrogen S		2 , 2			inage Patterns (B10)
Sedimen	t Deposits (B2) (Nor	rriverine)	Oxidized R	hizosphe	res along	Living Ro	ots (C3) Dry-	-Season Water Table (C2)
Drift Dep	osits (B3) (Nonriver	ine)	Presence of	of Reduce	ed Iron (C4	+)	Cra	yfish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iron	Reducti	on in Tilled	d Soils (C	6) Satu	uration Visible on Aerial Imagery (C9)
	on Visible on Aerial I	magery (B7	TO PROPERTY OF STREET			a constituent variable		llow Aquitard (D3)
	ained Leaves (B9)	9-17 (-1	Other (Exp					C-Neutral Test (D5)
			Outer (Exp	an in ite	marks)	<u> </u>		7.1000011001
Field Observ		-05	V -					
Surface Water	er Present? Ye	es N	o X Depth (inc	hes):				
Water Table	Present? Ye	es N	o X Depth (inc	hes):				. /
Saturation Pr	resent? Ye	es N	o X Depth (inc	hes):		Wet	land Hydrology F	Present? Yes NoX
(includes cap	illary fringe)						10,000	
	corded Data (stream	gauge, mor	nitoring well, aerial p	hotos, pr	evious ins	pections),	, if available:	
Remarks: 11	1 0					1		
Mellians. H	rydrology a	NOT OU	in trough	OM	as my	1 Lep	eduin l	alefolum
- · -	-()_ (4)		L Otas	Ca.D	A !	Line	iti, alah	they hamper alevation
Trangel		MAN	our in	-0~	بال بالعب	,, - 0,00	- and	
-the -	meashs O.	us ne	actulad a	NLO	100	1 an	nl crad	as a Schoenoplatus
marin.	marcard of a	F-10 N	January W		1	12		~ ~ = =
amer	earner		9					

C	sity/County: Jusu	NCITY/SOLAND Sampling Date: JULY 2
	,	State: CA Sampling Point: SP-1
ZS	Section Township Rai	nge: 3NIF 23
1	ocal relief (concave	convey none): 1/00 Class (96): 50
Lat. 38	D825 03	Long: -121, 83 9 880 Datum: No. 10
ATAMBA	MILCICYCIA	Long: 121. 80 1810 Datum: 701801
110/01	THUCKY CLA	NWI classification:
ime of yea		
		'Normal Circumstances" present? Yes No
		eeded, explain any answers in Remarks.)
howing	sampling point le	ocations, transects, important features, etc
	Is the Sampled	Area
	within a Wetlar	nd? Yes No
	1 1	
me at	ergent without	l
	0	
	Deminent Indicates	
		Dominance Test worksheet:
		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
		Total Number of Dominant
		Species Across All Strata: (B)
1		Percent of Dominant Species
9	= Total Cover	That Are OBL, FACW, or FAC:
		Prevalence Index worksheet:
		Total % Cover of: Multiply by:
		OBL species x 1 =
		FACW species x 2 =
		FAC species x 3 =
Ø	= Total Cover	FACU species x 4 =
20%	Y HACKI	UPL species x 5 =
30		Column Totals: (A) (B)
10	N INO	Prevalence Index = B/A =
70%	N OBI	Hydrophytic Vegetation Indicators:
0	1 000	Dominance Test is >50%
		Prevalence Index is ≤3.0¹
		Morphological Adaptations¹ (Provide supporting
		data in Remarks or on a separate sheet)
107	= Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
-	V-1-0-1-1-1-1-1	
		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
K	= Total Cover	Hydrophytic Vegetation
-		
/	ust	Present? Yes No
/	ust	Present? Yes No
/	ust	Present? Yes No
i r ti r	Lat: 38 TNNGA ime of year inficantly of urally prob nowing: 30% Cover	Section, Township, Ra Local relief (concave, Lat: 38,082503 TTMGA MUCKY CLA time of year? Yes \ No Inficantly disturbed? Are furally problematic? (If ne mowing sampling point I Is the Sampled within a Wetlan Section, Township, Ra Local relief (concave, Incomplete of the section of the se

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	()	ı	

moling Point: SP-1

	Matrix				x Feature		01 00111111	n the absenc	
(inches)	Color (moist)	%	Color ((moist)	%	Type	Loc ²	Texture	Remarks
0-1.5	5/R3/1	100				~		Sall	
0									
1.5-8.5	104R 4/1	100						Sacl	
				- 1					
.5-17.5	Gley 15hor	99	LOYP	4/6			M	Claux	
ype: C=Co	oncentration, D=Dep	oletion, RM=	=Reduced	Matrix, CS	S=Covere	d or Coate	ed Sand G		ocation: PL=Pore Lining, M=Matrix.
	Indicators: (Applic	able to all				ed.)			rs for Problematic Hydric Soils ³ :
_ Histosol				andy Red					Muck (A9) (LRR C)
	oipedon (A2) istic (A3)			tripped Ma		1.754			Muck (A10) (LRR B)
	en Sulfide (A4)			oamy Muc					uced Vertic (F18) Parent Material (TF2)
	d Layers (A5) (LRR	C)		A CONTRACTOR OF THE CONTRACTOR		(FZ)			r (Explain in Remarks)
	uck (A9) (LRR D)	0)		Depleted M Redox Dark		(F6)		_ Othe	(Lapiani in Nemarks)
	d Below Dark Surface	e (A11)		epleted Da					*
	ark Surface (A12)	50 (7111)		Redox Dep				3Indicator	rs of hydrophytic vegetation and
	Mucky Mineral (S1)			ernal Pool		. 0,			d hydrology must be present,
	Gleyed Matrix (S4)		_		- ()				disturbed or problematic.
	Layer (if present):								
Type:									^
Depth (in	ichoc):							Hydric So	il Present? Yes No
								,	
	drology Indicators		d: chock a	II that anni	w)		:		ondary Indicators (2 or more required)
Wetland Hy Primary Indi	drology Indicators cators (minimum of		. /				:	Seco	ondary Indicators (2 or more required)
Vetland Hy Primary Indi	rdrology Indicators cators (minimum of o Water (A1)		X	Salt Crust	(B11)		:	Seco	Water Marks (B1) (Riverine)
Vetland Hy Primary Indi Surface High Wa	rdrology Indicators cators (minimum of of Water (A1) ater Table (A2)		X	Salt Crust Biotic Crus	(B11) st (B12)	(042)	:	Second —	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Vetland Hy Primary Indi Surface High Wa Saturati	cators (minimum of e Water (A1) ater Table (A2) on (A3)	one require	-	Salt Crust Biotic Crus Aquatic In	(B11) st (B12) vertebrate		:	Seco	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Vetland Hy Primary Indi Surface High Wa Saturati Water N	rdrology Indicators cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver	one require	-	Salt Crust Biotic Crus Aquatic In Hydrogen	(B11) st (B12) vertebrate Sulfide O	dor (C1)		Secondary Second	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Primary Indi Surface High Water M Water M Sedime	rdrology Indicators cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2)	one require	*	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrate Sulfide O Rhizosphe	dor (C1) eres along	Living Ro	<u>Seco</u>	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Primary Indi Surface High Wa Saturati Water M Sedime Drift De	cators (minimum of of water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nonriver posits (B3) (Nonriver nt Deposits (B3) (Nonriver nt	one require	*	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce	dor (C1) res along ed Iron (C4	Living Ro	<u>Seco</u>	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface	drology Indicators cators (minimum of of water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nonriver posits (B3) (Nonriver Soil Cracks (B6)	one require rine) onriverine) erine)	*	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti	dor (C1) res along ed Iron (C4 on in Tilled	Living Ro	Secondary Second	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)
Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati	cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver or Deposits (B2) (Nonriver or Cacks (B6)) Soil Cracks (B6)	one require rine) onriverine) erine)	\	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti	dor (C1) eres along ed Iron (C4 on in Tilled (C7)	Living Ro	Seco	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)
Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati	drology Indicators cators (minimum of of water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nonriver posits (B3) (Nonriver Soil Cracks (B6)	one require rine) onriverine) erine)	\	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti	dor (C1) eres along ed Iron (C4 on in Tilled (C7)	Living Ro	Seco	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)
Primary Indi Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S	rdrology Indicators cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nonriver soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations:	one require rine) onriverine) erine) Imagery (B	*	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reduct Surface olain in Re	dor (C1) eres along ed Iron (C4 on in Tilled (C7) emarks)	Living Ro	Seco	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)
Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser	rdrology Indicators cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (Nonriver soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations:	one require rine) onriverine) rine) Imagery (B	7)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reduct Surface olain in Re	dor (C1) eres along ed Iron (C4 fon in Tilled (C7) emarks)	Living Ro	Seco	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)
Primary Indi Surface High Water M Sedime Drift De Surface Inundati Water-S Field Obser	rdrology Indicators cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver int Deposits (B2) (Nonriver soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations:	one require rine) onriverine) erine) Imagery (B	7)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reduct Surface olain in Re	dor (C1) eres along ed Iron (C4 fon in Tilled (C7) emarks)	Living Root) d Soils (Co	Secondary Second	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) FAC-Neutral Test (D5)
Primary Indi Surface High Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Water Table Saturation F (includes ca	drology Indicators cators (minimum of of water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nonriver soil Cracks (B6) ion Visible on Aerial stained Leaves (B9) rvations: ter Present? Present? Present? pillary fringe)	rine) Imagery (B' //es	X	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (inc	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti Surface olain in Re ches): ches): ches):	dor (C1) eres along ed Iron (C4 fon in Tilled (C7) ermarks)	Living Root) d Soils (Co	ots (C3)	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)
Primary Indi Surface High Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Water Table Saturation Fincludes ca	drology Indicators cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (Nonriver posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present?	rine) Imagery (B' //es	X	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (inc	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti Surface olain in Re ches): ches): ches):	dor (C1) eres along ed Iron (C4 fon in Tilled (C7) ermarks)	Living Root) d Soils (Co	ots (C3)	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) FAC-Neutral Test (D5)
Primary Indi Surface High Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Water-Surface Water-Surface Water-Surface Water-Scaturation Fincludes ca	drology Indicators cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present? Present? pillary fringe) accorded Data (stream	rine) porriverine) lmagery (B //es //es	No X	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (inc Depth (inc Depth (inc Rell, aerial)	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reducti Surface olain in Re ches): ches): photos, pr	dor (C1) eres along ed Iron (C4 fon in Tilled (C7) emarks)	Living Root d Soils (Co	ots (C3) fland Hydrolo if available:	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) FAC-Neutral Test (D5)
Primary Indi Surface High Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Water Table Saturation F Includes ca	drology Indicators cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present? Present? pillary fringe) accorded Data (stream	rine) porriverine) lmagery (B //es //es	No X	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (inc Depth (inc Depth (inc Rell, aerial)	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reducti Surface olain in Re ches): ches): photos, pr	dor (C1) eres along ed Iron (C4 fon in Tilled (C7) emarks)	Living Root d Soils (Co	ots (C3) fland Hydrolo if available:	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) FAC-Neutral Test (D5)
Primary Indi Surface High Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Water-Surface Water-Surface Water-Surface Water-Scaturation Fincludes ca	drology Indicators cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present? Present? pillary fringe) accorded Data (stream	rine) porriverine) lmagery (B //es //es	No X	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (inc Depth (inc Depth (inc Rell, aerial)	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reducti Surface olain in Re ches): ches): photos, pr	dor (C1) eres along ed Iron (C4 fon in Tilled (C7) emarks)	Living Root d Soils (Co	ots (C3) fland Hydrolo if available:	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) FAC-Neutral Test (D5)
Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Water A Water Table Saturation Fincludes ca	drology Indicators cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present? Present? pillary fringe) accorded Data (stream	rine) porriverine) lmagery (B //es //es	No X	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (inc Depth (inc Depth (inc Rell, aerial)	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reducti Surface olain in Re ches): ches): photos, pr	dor (C1) eres along ed Iron (C4 fon in Tilled (C7) emarks)	Living Root d Soils (Co	ots (C3) fland Hydrolo if available:	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 (C5) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland Hy rimary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Water Table Saturation Fincludes ca	drology Indicators cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present? Present? pillary fringe) accorded Data (stream	rine) porriverine) lmagery (B //es //es	No X	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (inc Depth (inc Depth (inc Rell, aerial)	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reducti Surface olain in Re ches): ches): photos, pr	dor (C1) eres along ed Iron (C4 fon in Tilled (C7) emarks)	Living Root d Soils (Co	ots (C3) fland Hydrolo if available:	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) FAC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region

W-23

Project/Site: COLLINSVILLE	Ci	ty/County: Suisu	m City /Solano	Sampling Date: July 2, 2
Applicant/Owner: LS POWER		i, oodiny.	State: CA	Sampling Point: SP-2
Investigator(s): CY RODRIGHEZ + 5, 4	F115 0	action Tourship De	State: J	Sampling Point:
Landform (hillslope, terrace, etc.): slight Alls				
Subregion (LRR):	10	ocal relief (concave,	convex, none):	Slope (%): 22
Collegion (LKK).	Lat:	002301	Long:161.83	Datum: NTV
Soil Map Unit Name: PIABLO - AY AR CLAYS				
Are climatic / hydrologic conditions on the site typical for t			(If no, explain in F	
Are Vegetation, Soil, or Hydrology			'Normal Circumstances"	present? Yes No
Are Vegetation, Soil, or Hydrology	naturally probl	ematic? (If ne	eeded, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS - Attach site ma	showing s	sampling point l	ocations, transects	s, important features, etc
Hydrophytic Vegetation Present? Yes	No X	Landan alle	283.1	
Hydric Soil Present? Yes		Is the Sampled		
Wetland Hydrology Present? Yes		within a Wetlar	nd? Yes	No
Remarks:				
/EGETATION – Use scientific names of pla		Dominant Indicator	Dominance Test work	sheet:
Tree Stratum (Plot size:) 1		Species? Status	Number of Dominant S That Are OBL, FACW,	species 🗸
2 3			Total Number of Domir Species Across All Stra	/
4	0	Total Cover	Percent of Dominant S That Are OBL, FACW,	
Sapling/Shrub Stratum (Plot size:) 1)			Prevalence Index wor	rksheet:
2				Multiply by:
3.				x 1 =
4			FACW species	x 2 =
5			FAC species	x 3 =
	0_=	Total Cover		x 4 =
Herb Stratum (Plot size:)	45		UPL species	
1. Usha grass			Column Totals:	(A) (B)
3. Dead Sticks/times (mo portotal)	30		Prevalence Index	c = B/A =
4 Stewally Drusses.	7		Hydrophytic Vegetati	on Indicators:
5.			Dominance Test is	s >50%
6. Dead Brugginceae	25		Prevalence Index	is ≤3.0 ¹
7.				aptations ¹ (Provide supporting
8				s or on a separate sheet)
/	100=	Total Cover	Problematic Hydro	ophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)			Indicators of hydric so	il and wetland hydrology must
1			be present, unless dist	
2		Total Cours	Hydrophytic	
^		Total Cover	Vegetation	Y
	er of Biotic Cru		A CONTRACTOR OF THE PARTY OF TH	sNo
Remarks: All plants are dead. Brossica	Ly for W	I hassed (m rsiasonia * Raph	ret reland sep.)	Pharoica are FACU.

[W-23

Depth Color (moist) %	Redox Features Color (moist) % Type ¹	Loc ² Texture Remarks
D-14.5 2,5 Y 3/2 100		UV0
	*	
pe: C=Concentration, D=Depletion, RM=I ric Soil Indicators: (Applicable to all L	Reduced Matrix, CS=Covered or Coated	Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Milleral (S1) Sandy Gleyed Matrix (S4)	Vernal Pools (F9)	wetland hydrology must be present,
carrey creyes man (04)		unless disturbed or problematic.
strictive Laver (if present):		
		5/
strictive Layer (if present): Type: Depth (inches):		Hydric Soil Present? Yes No
		Hydric Soil Present? Yes No
Type:	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 Tilled S	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C
Type:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (Canada and Canada and Can
Type:	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 Tilled S	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C
Type:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (Canada and Canada and Can
Type:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (Canada and Canada and Can
Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (Canada and Canada and Can
Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (Candidate of the Candidate of t
Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (Candidate of the Candidate of t
Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (Candidate of the company

Note: This sampling point did not meet the three criteria and		[W-24]
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 DETE	RMINATION DATA F	ORM – Arid West Region
Project/Site: WALASMUS	City/County:	Son Arub Sampling Date: 07-02
Applicant/Owner: LS PINER		State: CA Sampling Point: SQ-1
Investigator(s): 2 MEAU CY- POPULO	Section, Towns	
		oncave, convex, none): Slope (%):
(1)	A Company of the Comp	579 Long: -121, 842914 Datum: NAV 15
Soil Map Unit Name: Jamba Mudy Clar	Δ.	NWI classification:
Are climatic / hydrologic conditions on the site typical for the	f 1	,
Are Vegetation, Soil, or Hydrology	<i>f</i>	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 p	point locations, transects, important features, etc
Hydrophytic Vegetation Present? Yes I	No is the S	SW SW
1	lo listine o	ampled Area a Wetland? Yes No
Wetland Hydrology Present? Yes I	vo X	A Wetland? Yes _/\ No Vo
Remarks:	all court acres	to the Nathurt = NWII freshwater
3000	Strum	to the Northwest -NWI freshwater ing indicators of hydrophysic vegetal in ovid: When ladeing hydrology dri
pondo sois siroter up NWY Thirder	white was brush in	of and : libely to drang hardrology du
VEGETATION – Use scientific names of pla		season + Dandy soil
, , , , , , , , , , , , , , , , , , ,	Absolute Dominant Inc	
Tree Stratum (Plot size:)	% Cover Species? S	tatus Number of Dominant Species /
1,		That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
,		Species Across All Strata: (B)
	O = Total Cover	Percent of Dominant Species (7)
Sapling/Shrub Stratum (Plot size:)	= 10tal 00val	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	Total Course	FAC species x 3 = FACU species x 4 =
Herb Stratum (Plot size:)	= Total Cover	UPL species x5 =
1. DisticMis spicata	.50 Y F	AC Column Totals: (A) (B)
2. Herenotheca grandiflora.	<u> </u>	
3. Broynus diandros	_ <u> </u>	Prevalence Index = B/A =
4. (MKnown spp. #1 (twicks)	10 N	Hydrophytic Vegetation Indicators:
5. Unknown spp. #2 (grass)	- 6' N -	Dominance Test is >50%
6.		Prevalence Index is ≤3.0¹
7		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8.		Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	70 = Total Cover	
1,		¹ Indicators of hydric soil and wetland hydrology must
2		be present, unless disturbed or problematic.

Heterothua grandiflora likely brased on shelletons (dead) plants & one partially live plant. Jepon colony; dislusted areas, dry theamteds, sand.

= Total Cover

% Cover of Blotic Crust

Hydrophytic Vegetation Present?

% Bare Ground in Herb Stratum

_	_		
٠.	rı	31	

SOIL								Sampling P	oint: 🔼 = 🗡
Profile Desc	cription: (Describe	to the dep	th needed to docun	nent the	indicator	or confirm	the absence	of indicators.)	
Depth	Matrix		Redox	x Feature					
(inches)	Color (moist)	%	Color (moist)	. %	Type ¹	Loc ²	Texture	Rema	
0-65	7.548.3/2	95	75 yr 1/8	5		M	Santy	coased sand	L arrains
•									0
- · · · ·	INVIA AL	<u>aa</u>	- 110 E'I D				<u> </u>		
85-16	104R 3/3	97	2/K-2/8,	_ن_	. <u>C</u>	$\overline{}$	Sandy		
*									
			-					·	
								.	
		···							
¹Type: C=C	oncentration D=Dec	nietion RM:	=Reduced Matrix, CS	=Covere	d or Coate	ed Sand Gra	ains ² l o	cation: PL=Pore Linir	ng M=Matrix
			LRRs, unless other	wise not	ted.)			for Problematic Hyd	
Histosol			X Sandy Redo	v (85)	(annan	wholen u	1 cm N	Muck (A9) (LRR C)	
	pipedon (A2)		Stripped Ma	trix (S6)	Com	entration		Muck (A10) (LRR B)	
	istic (A3)		Loamy Muc		al (F1)			ced Vertic (F18)	
1	en Sulfide (A4)		Loamy Gley					arent Material (TF2)	
	d Layers (A5) (LRR	C)	Depleted Ma					(Explain in Remarks)	
	uck (A9) (LRR D)	,	Redox Dark						
	d Below Dark Surfac	ce (A11)	Depleted Da	ark Surfa	ce (F7)				
	ark Surface (A12)		Redox Depr	essions ((F8)		³ indicators	of hydrophytic vegeta	ation and
Sandy N	Mucky Mineral (S1)		Vernal Pool	s (F9)			wetland	hydrology must be pr	esent,
Sandy C	Gleyed Matrix (S4)						unless d	listurbed or problemat	tic.
Restrictive	Layer (if present):								
Туре:									
Depth (in	ches):						Hydric Soil	l Present? Yes <u></u>	✓ No
Remarks:				······································			4.4	Λ :Λ	,
[5 Janel on	the !	direct soil I	layer	i when	e conc	envavins	where with	wa. a
A4A 1000 4	the all	ا بند	Ulius coate	st († .	Cana	masm	were	ofermed of	hand lense
1/20/VVV	, Con ballow	vo, a	Myon Day or	• •	30 61	1	•	abound of	-
HYDROLO	GY								
	drology Indicators	*							
1			de abook all that apple				Saca	ndary Indicators (2 or	more required)
		one require	d; check all that apply						
1	Water (A1)		Salt Crust					Vater Marks (B1) (Riv	
1	ater Table (A2)		Biotic Crus					Sediment Deposits (B2	
Saturati	on (A3)		Aquatic In					Orift Deposits (B3) (Ri	•
	Aarks (B1) (Nonrive		Hydrogen					Prainage Patterns (B1	•
Sedime	nt Deposits (B2) (No	onriverine)	Oxidized F	Rhizosphe	eres along	Living Roo		Dry-Season Water Tat	
Drift De	posits (B3) (Nonriv e	erine)	Presence	of Reduc	ed Iron (C	4)	c	Crayfish Burrows (C8)	
Surface	Soil Cracks (B6)		Recent Iro	n Reduct	ion in Tille	d Soils (C6) §	Saturation Visible on A	verial Imagery (C9)
Inundat	ion Visible on Aerial	Imagery (B	7) Thin Muck	Surface	(C7)			Shallow Aquitard (D3)	
Water-S	Stained Leaves (B9)	,	Other (Exp	olain in R	emarks)		F	AC-Neutral Test (D5))
Field Obser	rvations:								
Surface Wa	ter Present?	Yes	No Depth (inc	ches):	\(\rightarrow\)				•
Water Table			No Depth (in	,	Q'				
Saturation F		-	No Depth (in		15	— Wetla	and Hydrolog	y Present? Yes	No X
	pillary fringe)	: 63	TWO X7 Dopus (iiii	onos <i>j.</i>			ina riyarolog		
Describe Re	ecorded Data (strear	n gauge, m	onitoring well, aerial į	photos, p	revious ins	spections), i	if available:		
									·
Remarks:	1-1 0-1 -1-	l h	all d	n			·· \$· \$···· \$		1
	300 fruit to	- /////	marying y	o a x	orge,	wrise	xexaxiel.	enea my sul	r and.
5. N. W. L. R.	that you	burko	y Jadina	und	realtra	of not	tenne.	Injulialogy ?	due to
In ()		_	J		•	1)	~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	00	- u
any	gamen.					•			

[W-24)

Project/Site: COUINSVILLE City/Cour	nty: SOVANO Sampling Date: JUY 2, 2
	State: <u>CA</u> Sampling Point: <u>SP-2</u>
Investigator(s): S. WELLS & C.Y. ROVRIGUE & Section,	Township Range: 2N 16 23
Landform (hillslope, terrace, etc.): Sught hillslope Local reli	
Subregion (LRR): Lat: 38.08	2549 Long: -121.842681 Datum: NAD 193
Soil Map Unit Name: Tanka Mudy clay Mys 16	
	(/
Are climatic / hydrologic conditions on the site typical for this time of year? Yes_	
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 sampli	ng point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes NoX	
Hydric Soil Present? Yes No V	the Sampled Area thin a Wetland? Yes No
Wetland Hydrology Present? Yes No W	thin a Wetland? Yes No
Remarks:	
VEGETATION – Use scientific names of plants. Absolute Dominal	nt Indicator Dominance Test worksheet:
Tree Stratum (Plot size:)	? Status Number of Dominant Species
1	That Are OBL, FACW, or FAC: (A)
2	
3	Species Across All Strata: (B)
3. 4. 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:
3	OBL species x1 =
4	FACW species x 2 =
5	FAC species x 3 =
Herb Stratum (Plot size: 5) かんかいいも、 = Total C	
1. Dead Annual grass (Average.) 10 N	UPL species x 5 =
2. DISTIGHTUS SPICATA 5 N	Column Totals: (A) (B)
3. BEASSICA SP. 40 Y	Prevalence Index = B/A =
4. David STICKS + ISPANCHES 30 Y	Hydrophytic Vegetation Indicators:
5	Dominance Test is >50%
6	Prevalence Index is ≤3.0¹
7	Morphological Adaptations¹ (Provide supporting
8	data in Remarks or on a separate sneet)
\sqrt{SS} = Total C	cover Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Piot size:)	Indicators of hydric and mothers hydroten and
1	Indicators of hydric soil and welland hydrology must be present, unless disturbed or problematic.
2	
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Cover Hydrophytic Vegetation Present? Yes No
Remarks:	
· · · · · · · · · · · · · · · · · · ·	·

e	^	1	1	
	w	3	L	_

Sampling Point: 30-Z

Profile Description: (Describe to the depth needed to document the indicator or co	onfirm the absence of indicators.)
Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹ Lo	poc ² Texture / Remarks
inches) Color (moist) % Color (moist) % Type ¹ Lo	oc rexture / Remarks
N16	0.00-
0-15 2543/2 100	Sachlo
	<u> </u>
,	
	3.
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sa	and Grains. ² Location: PL≕Pore Lining, M=Matrix. Indicators for Problematic Hydric Solls ³ :
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	1 cm Muck (A9) (LRR C)
Histosol (A1) Sandy Redox (S5) 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)	3
Thick Dark Surface (A12) Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Vernal Pools (F9)	wetland hydrology must be present, unless disturbed or problematic.
_ Sandy Gleyed Matrix (S4) estrictive Layer (if present):	unless distribed of problematic.
	, /
Type:	Hydric Soil Present? Yes No
	Hydric Soil Present? Yes No
Type: Depth (inches): Remarks:	Hydric Soil Present? Yes No
Type: Depth (inches): Remarks:	Hydric Soil Present? Yes No
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators:	
Type: Depth (inches): temarks: YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: Depth (inches): emarks: //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2)
Type:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Rig Roots (C3) Crayfish Burrows (C8)
Type:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Reg Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Type:	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) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Type:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Try-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Type:	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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type:	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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Tory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	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) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Reg Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Regroots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Type:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Regroots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Type:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Regroots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Demarks: Depth (inches): Demarks: Depth (inches): Demarks: Demarks: Demarks: Demarks: Demarks: Demarks: Demarks: Demarks: Demarks: Depth (inches): Demarks: Depth (inches): Demarks: De	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Regroots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)

(W-25

Project/Site: Whinsville	C	ity/County: Solar	Sampling Date: 01 -63-2
Applicant/Owner: US POWEY			State: CA Sampling Point: SP-
Investigator(s): SIMPILS C VRODVIA	veb s	ection, Township, Ra	ange: 23 3 N 1 E
andform (hillstone terrace etc.): Plat		ocal relief (concave	convex, none):
Cubranian (I BB):	Lat: 38	087.470	Long: -17 241 899 Stope (%).
Soil Map Unit Name: TAMBA MUCKY CLA	M MIRAIL	,000110	Long. 121, 2-18 1 Datum: 70-10-11
			NWI classification:
Are climatic / hydrologic conditions on the site typical			
Are Vegetation, Soil, or Hydrology			"Normal Circumstances" present? Yes No
are Vegetation, Soil, or Hydrology	naturally prob	lematic? (If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site	map showing s	sampling point I	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	O No	Is the Sample	1 A
Hydric Soil Present? Yes	_ No X	within a Wetla	
Wetland Hydrology Present? Yes	NoX	within a wetia	ndr resNo
/EGETATION – Use scientific names of	plants.		
Tree Stratum (Plot size:)		Dominant Indicator	Dominance Test worksheet:
		Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
12.			That Are OBL, FACW, or FAC: (A)
3			Total Number of Dominant Species Across All Strata: (B)
3			Species Across All Strata: (B)
Sapling/Shrub Stratum (Plot size:	, ϕ	= 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 =
Herb Stratum (Plot size:)	<u>_y_</u> :	= Total Cover	FACU species x 4 =
1. Rumex crispus	5	N FAC	UPL species x 5 =
2. Distriction Spicata	15	Y FAC	Column Totals: (A) (B)
3. Pulhoschoenus mantimus	30	Y 08L	Prevalence Index = B/A =
4.			Hydrophytic Vegetation Indicators:
5			Dominance Test is >50%
6			Prevalence Index is ≤3.0¹
7			Morphological Adaptations ¹ (Provide supporting
8			data in Remarks or on a separate sheet)
W 4 No - Other (District	_50_:	= Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)			Indicators of hydric coil and walled discharge
1			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	1	Total Co.	
	/	= Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum %			Present? Yes No
Remarks: Vegetation in olut is	em dniav	d dearaded	: Menetation TD'A based no
remaining plant character	istics.	, ,,,	Tregention is busien on

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	u	ш	

[W-25]

Profile Description: (Describe to the depth needed to document the indicator or co	onfirm the absenc	e of indicators.)			
Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type* Loc	oc ² Texture	Remarks			
0-8.5 1048 3H 99 1048 5/8 1 C M	1 Sand	Remarks			
0 0.5 101 11 10 11 07 8 1 0 1	Olana.				
8.5-16 7.54r 25/2 96 54R 46 A C,CS M	Sound	has covered sand grains			
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sallydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	Indicator 1 cm 2 cm Redu Red I Other	ocation: PL=Pore Lining, M=Matrix. s for Problematic Hydric Soils³: Muck (A9) (LRR C) Muck (A10) (LRR B) ced Vertic (F18) Parent Material (TF2) (Explain in Remarks)			
Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9)		³ Indicators of hydrophytic vegetation and			
Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4)		wetland hydrology must be present, unless disturbed or problematic.			
Restrictive Layer (if present):					
Type:					
Depth (inches):	Hydric Soi	I Present? Yes No			
YDROLOGY					
Vetland Hydrology Indicators:	Seco	andary Indicators (2 or more required)			
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11)		andary Indicators (2 or more required) Water Marks (B1) (Riverine)			
Vetland Hydrology Indicators:	_	Water Marks (B1) (Riverine)			
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11)	_	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)			
Wetland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12)	Ξ	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)			
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Biotic Crust (B12) Aquatic Invertebrates (B13)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)			
Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Saturation (A3) Hydrogen Sulfide Odor (C1)	g Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)			
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Wetland Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living	g Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)			
Vetland Hydrology Indicators: Irimary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	g Roots (C3)	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)			
Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soil	g Roots (C3)	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)			
Vetland Hydrology Indicators: Irimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soil Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	g Roots (C3)	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)			
Vetland Hydrology Indicators: Irimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soil Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) ield Observations:	g Roots (C3)	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)			
Vetland Hydrology Indicators: Irimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soil Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) ield Observations: Varface Water Present? Yes No Depth (inches):	g Roots (C3)	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)			
Vetland Hydrology Indicators: Irimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Drift Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soil Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Sield Observations: Surface Water Present? Yes No Depth (inches): Surface Present? Yes No Depth (inches):	g Roots (C3)	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)			
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) 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) Vater Table Present? Yes No Depth (inches): Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks) Oxidized Observations: Vater Table Present? Yes No Depth (inches): Oxidized Rhizospheres Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks) Oxidized Observations: Oxidized Observations: Oxidized Observations: Oxidized Observations: Oxidized Observations: Oxidized Rhizospheres along Living Depth (inches): Oxidized Rhizospheres Oxidized Rh	g Roots (C3)	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)			
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) 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) Water Table Present? Yes No Depth (inches): Depth (inches):	g Roots (C3)	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)			
Vetland Hydrology Indicators: Irimary Indicators (minimum of one required; check all that apply) 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) Water Table Present? Yes No Depth (inches): Water Table Recorded Data (stream gauge, monitoring well, aerial photos, previous inspectic	g Roots (C3) Is (C6) Wetland Hydrologons), if available:	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)			
Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1)	g Roots (C3) Is (C6) Wetland Hydrologons), if available:	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)			
Salt Crust (B11)	g Roots (C3) Is (C6) Wetland Hydrologons), if available:	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) FAC-Neutral Test (D5)			

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A Sampling Date: 7 3 224 Itate: A Sampling Point: SP-1 SN 1 E 2 Z Inone): MYPL Slope (%): Datum: NAP 1 NWI classification: NOPL f no, explain in Remarks.) Circumstances" present? Yes No Ixplain any answers in Remarks.) Ins, transects, important features, etc. Yes No X
anone):
none):
nwil classification: Nwil classification: No continuous present present present present no continuous presen
f no, explain in Remarks.) Circumstances" present? Yes No xplain any answers in Remarks.) ns, transects, important features, etc.
Circumstances" present? Yes No xplain any answers in Remarks.) ns, transects, important features, etc.
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ns, transects, important features, etc.
Yes No
ance Test worksheet:
er of Dominant Species
re OBL, FACW, or FAC: (A)
Number of Dominant
es Across All Strata: (B)
nt of Dominant Species re OBL, FACW, or FAC: (A/B)
ence Index worksheet:
otal % Cover of: Multiply by:
pecies x 1 =
species x 2 =
pecies x 3 =
species x 4 =
pecies x 5 =
n Totals: (A) (B)
Prevalence Index = B/A =
phytic Vegetation Indicators:
ominance Test is >50%
revalence Index is ≤3.01
orphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
roblematic Hydrophytic Vegetation ¹ (Explain)
ators of hydric soil and wetland hydrology must
Considerate the Constitution of the Constituti
1.4
phytic ation
ation
ation
1

DepthMatnx				Feature		4				
$\begin{array}{c c} \text{(inches)} & \text{Color (moist)} \\ \hline O-3 & \text{IOYR} & \text{Z/I} \\ \end{array}$	%	Color (I	moist)	%	Type¹	_Loc²	Sand		Remarks	;
3-12.5 2.57 3/2	_	7.57	R 5/4	1	C	M	Sand	hard to	find	, low no
125-14 7.5YR 3/2							Loamy Sa	nd		
JO CORE							7			
31N		2.5 Y/	24/6	Z	C	M				
Type: C=Concentration, D=Deple	etion, RM	=Reduced	Matrix, CS	=Covered	or Coate	ed Sand G	rains. ² Lo	cation: PL=Po	re Lining,	M=Matrix.
Hydric Soil Indicators: (Applica	ble to all	LRRs, unl	ess other	wise note	ed.)			for Problema	-	
Histosol (A1)			andy Redo				1 cm	Muck (A9) (LR	RC)	
Histic Epipedon (A2)			ripped Ma	100000				Muck (A10) (LF		
Black Histic (A3)			amy Muck		(F1)			ced Vertic (F18		
Hydrogen Sulfide (A4)			amy Gley					arent Material		
Stratified Layers (A5) (LRR C)		epleted Ma					(Explain in Re		
1 cm Muck (A9) (LRR D)			edox Dark	, ,	F6)		_			
Depleted Below Dark Surface	(A11)		epleted Da							
Thick Dark Surface (A12)			edox Depre				3Indicators	of hydrophytic	vegetatio	n and
Sandy Mucky Mineral (S1)			ernal Pools				wetland	hydrology mus	at be prese	ent,
Sandy Gleyed Matrix (S4)							unless	listurbed or pro	blematic.	
Restrictive Layer (if present):										
Type:										
Depth (inches):							Hydric Soil	Present? Y	'es	No X
Remarks: Sondy, Redry		1 -					100-100-100	V. C.		
took second core	to lo	ook at	botten	n la	yer 3	oin Ve	my rad =	impured	(ty m	nddle
YDROLOGY	to lo	ok ad	botten	n la	yen 3	oin Ve	nd and a	compared	(ty m	nddle
YDROLOGY Wetland Hydrology Indicators:		30.00 c		· · · · ·	yer 3	oin Ne				
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of on		d; check all	that apply)	yer 3	oin Ve	Seco	ndary Indicator	s (2 or mo	ore required)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of on Surface Water (A1)		d; check all	that apply) B11)	yer 3	oin Ve	Secoi	ndary Indicator Vater Marks (B	s (2 or mo	ne required)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of on Surface Water (A1) High Water Table (A2)		d; check all	that apply Salt Crust (Biotic Crust) B11)		oin Ve	<u>Seco</u> l	ndary Indicator Vater Marks (B Sediment Depos	s (2 or mo 1) (Riveri n sits (B2) (I	re required) ne) Riverine)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of on Surface Water (A1) High Water Table (A2) Saturation (A3)	e require	d; check all 5 E	that apply Salt Crust (Biotic Crust	B11) t (B12) ertebrates	s (B13)	oin Ve	<u>Seco</u> l	ndary Indicator Vater Marks (B	s (2 or mo 1) (Riveri n sits (B2) (I	re required) ne) Riverine)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of on Surface Water (A1) High Water Table (A2)	e require	d; check all	that apply Salt Crust (Biotic Crust Aquatic Invo	B11) t (B12) ertebrates	s (B13) lor (C1)		<u>Seco</u> V S C	ndary Indicator Vater Marks (B Sediment Depos	s (2 or mo 1) (Riveri sits (B2) (I 33) (River	re required) ne) Riverine)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of on Surface Water (A1) High Water Table (A2) Saturation (A3)	ne require	d; check all S E A H	that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI	B11) t (B12) ertebrates Sulfide Od	s (B13) lor (C1) res along	Living Roo	<u>Secon</u>	ndary Indicator Vater Marks (B Sediment Depos Prift Deposits (B	s (2 or mo 1) (Rivering sits (B2) (I 33) (Rivering sits (B10)	ne) Riverine) ine)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of on Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverin	ne require ne) riverine)	d; check all S E A F	that apply Salt Crust (Siotic Crust Aquatic Involved Hydrogen S Dxidized RI	B11) t (B12) ertebrates Sulfide Od hizospher f Reduce	s (B13) lor (C1) res along d Iron (C4	Living Roo	Secon	ndary Indicator Vater Marks (B Sediment Depos prift Deposits (E Orainage Patter	s (2 or mo 1) (Rivering sits (B2) (I 33) (Rivering ns (B10) ter Table	ne) Riverine) ine)
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Project/Site: Collins Ville		City/County: So	sland samp	oling Date: 07 - 03-72		
Applicant/Owner: US POWCY		State: A Sampling Point: SP-2				
Investigator(s): 5. WOIS , CY. Pod	Marca	Section, Township, Range:				
		Local relief (concave, convex, none): None Slope (%):				
	Local relief (concave, convex, none): Slope (%): Slope (%): Datum: NAO] 9'					
Soil Map Unit Name: PIAGLO - AYAR						
Are climatic / hydrologic conditions on the site						
Are Vegetation, Soil, or Hydrold			"Normal Circumstances" presen			
Are Vegetation, Soil, or Hydrole	ogy naturally pr	roblematic? (If no	eeded, explain any answers in R	lemarks.)		
SUMMARY OF FINDINGS - Attach	site map showing	g sampling point l	ocations, transects, imp	ortant features, etc.		
Hydric Soil Present? Yes	s No No No No X	Is the Sampled within a Wetla		No X		
VEGETATION – Use scientific nam	es of plants.					
Tron Strotum /Diet siene	Absolute		Dominance Test worksheet	: 1		
Tree Stratum (Plot size:)	And the second second second second	r Species? Status	Number of Dominant Species			
1 2			That Are OBL, FACW, or FAC	C: (A)		
3			Total Number of Dominant Species Across All Strata:	\ (B)		
4.		2				
Sapling/Shrub Stratum (Plot size:		= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC			
1			Prevalence Index workshee			
2			Total % Cover of:			
3			OBL species			
4			FACW species			
5		= Total Cover	FAC species			
Herb Stratum (Plot size:)		_ = Total Cover	UPL species			
1. Distichlis spicata 2. Rumex MSpud 3.	75	Y FAC	Column Totals:			
2. Rumey crispus	_5	N FAC	Column Totals.	(A)(B)		
3			Prevalence Index = B/A	A =		
4			Hydrophytic Vegetation Inc			
5			Dominance Test is >50%	6		
6			Prevalence Index is ≤3.0			
7			Morphological Adaptatio	ns¹ (Provide supporting		
8	16		data in Remarks or of Problematic Hydrophytic			
Woody Vine Stratum (Plot size:	90	_ = Total Cover		regulation (Explain)		
1			¹ Indicators of hydric soil and be present, unless disturbed			
2	- K	= Total Cover	Hydrophytic			
% Bare Ground in Herb Stratum4	% Cover of Biotic		Vegetation Present? Yes			
Remarks:						

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	ription. (Describe to	o the dep	tu needed to	docum	ent the i	indicator	or confirm	the absence of	indicators.)		
Depth	Matrix				Feature						
(inches)	Color (moist)	%	Color (moi	st)	%	Type1	_Loc ²	Texture	Remarks		
0-85	104R 2/1	100						SAND			
5-155	LOYE 3/2	98	7.5YR 5	78	2	С	M,C5	SAND			
					_						
Type: C=Co	ncentration, D=Deple	tion, RM=	Reduced Mat	trix, CS	-Covered	d or Coate	ed Sand Gra	ins. ² Locat	ion: PL=Pore Lining, M=Matrix.		
	ndicators: (Applical	bie to all				ed.)			r Problematic Hydric Soils ³ :		
_ Histosol (y Redo					ck (A9) (LRR C)		
	ipedon (A2)				trix (S6)				ck (A10) (LRR B)		
_ Black His				-	y Minera	. ,		Reduced Vertic (F18)			
	Sulfide (A4)				ed Matrix	(F2)		Red Parent Material (TF2)			
	Layers (A5) (LRR C))			trix (F3)	(FO)		Other (Explain in Remarks)			
	ck (A9) (LRR D) Below Dark Surface	(111)			Surface (
	rk Surface (A12)	(A11)			rk Surfac			3Indicators of hydrophytic varietation and			
	ucky Mineral (S1)				essions (I	-8)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.			
	eyed Matrix (S4)		vern	al Pools	(F9)						
	ayer (if present):							arriodo diot.	- Production		
Country L	ayer (ii precent).										
Time			_					Undeia Cail De	esent? Yes No		
Type:								Hydric Soil Pr	esent? resNo		
Depth (inc											
Depth (inclemarks: 50	mby oids										
Depth (incl Remarks: 50 YDROLOG Wetland Hyd	mby sirels GY Irology Indicators:							Caranda	muladianters (2 or more required)		
Depth (incl Remarks: 50 YDROLOG Wetland Hyd	mby oids	e require							ry Indicators (2 or more required)		
Depth (included included inclu	mby sirels GY Irology Indicators:	e require	Salt	Crust (B11)			Wate	er Marks (B1) (Riverine)		
Depth (inclinemarks: 500 PPROLOG Vetland Hydrimary Indicenses Surface N	GY irology Indicators: ators (minimum of on	e require	Salt	Crust (B11) t (B12)			Wate	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine)		
Depth (inclinemarks: 500 PPROLOG Vetland Hydrimary Indicenses Surface N	irology Indicators: ators (minimum of on Water (A1) ter Table (A2)	e require	Salt Biot Aqu	Crust (ic Crust atic Inv	B11) t (B12) ertebrate			Wate	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine)		
Depth (includermarks: 500 Primary Indicate No. 1 High War Saturation	irology Indicators: ators (minimum of on Water (A1) ter Table (A2)		Salt Biot Aqu Hyd	Crust (ic Crust atic Inv rogen S	B11) t (B12) ertebrate Sulfide Oc	dor (C1)		Wate Sedi Drift Drai	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10)		
Primary Indicates Surface Notation High Water Marks:	irology Indicators: ators (minimum of on Water (A1) ter Table (A2) on (A3)	ne)	Salt Biot Aqu Hyd Oxio	Crust (ic Crust atic Inv rogen S dized R	B11) t (B12) ertebrate Sulfide Ochizospher	dor (C1) res along	Living Roots	Wate Sedi Drift Drail s (C3) Dry-	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2)		
Popth (includer includer inclu	irology Indicators: ators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin	ne) riverine)	Salt Biot Aqu Hyd Oxic Pres	Crust (ic Crust atic Inv rogen S dized Ri sence o	B11) t (B12) ertebrate Sulfide Ochizospher f Reduce	dor (C1) res along d Iron (C	4)	Wate Sedi Drift Drail s (C3) Dry Cray	per Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) offish Burrows (C8)		
YDROLOG Wetland Hyd Primary Indic Surface \(\) High War Saturatio Water Mar Sedimen Drift Dep	irology Indicators: ators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin th Deposits (B2) (Non	ne) riverine)	Salt Siot Aqu Hyd Oxic Pres	Crust (ic Crust atic Inv rogen S dized Ri sence o ent Iron	B11) t (B12) ertebrate Sulfide Ochizosphel f Reduce	dor (C1) res along d Iron (Co on in Tille		Wate Sedi Drift Drait s (C3) Dry Cray Satu	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) rration Visible on Aerial Imagery (C8)		
YDROLOG Wetland Hyd Primary Indic Surface \ High Wat Saturatio Water Mater Mat	irology Indicators: ators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin th Deposits (B2) (Non posits (B3) (Nonriverin	ne) riverine) ne)	Salt Biot Aqu Hyd Oxic Pres Rec 7) Thin	Crust (ic Crust atic Inv rogen S dized Ri sence o ent Iron Muck S	B11) t (B12) ertebrate Sulfide Ochizospher f Reduce	dor (C1) res along d Iron (Co on in Tille C7)	4)	Wate Sedi Drift Drait s (C3) Dry Cray Satu Shal	per Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) rfish Burrows (C8)		

a "Freshwater pind" on NWI map, approximately 300ft upstream.

No ____ Depth (inches):

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

Water Table Present?

Saturation Present? (includes capillary fringe)

Wetland Hydrology Present? Yes

Note:				
This compling point	did not	most th	a three	crite

I his 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 WETLAND DETERMINATION DATA FORM — Arid West Region Resources Delineation Report for more detail.

Project/Site: COLLINS VILLE City/County: BIRD	S LANDING /SULANDSampling Date: 17/3/2
	State: Sampling Point: SP -
Investigator(s): S.WELLS + C.Y ROVRIGUEZ Section, Township, R.	ange: 3N IE 72
Landform (hillslope, terrace, etc.): Local relief (concave,	
Subregion (LRR):	Long: 121.846.953 Datum: Albert 19
Soil Map Unit Name: DIABLO - Ayar CLAYS 2to 9 no regue	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _	<i>/</i> -
· · · · · · · · · · · · · · · · · · ·	"Normal Circumstances" present? Yes No
	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point	·
	Clak
Hydrophytic Vegetation Present? Yes No Is the Sample	d Area
Hydric Soll Present? Yes X No within a Wetland Hydrology Present? Yes No X	and? Yes No X 11/25/2
Remarks: Stong indicators of hydrophylic vegetation of by	undaire and Theorem Rushing
ingritors of phydrology yes to gut fearing sweet.	Show AND OD Some (S)
+ above Novi Judnoon envergery nothing.	
VEGETATION – Use scientific names of plants.	MANN.
Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	Number of Dominant Species
1,	That Are OBL, FACW, or FAC: (A)
2,	Total Number of Dominant
3	Species Across All Strata: (B)
= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 100/20 (A/B)
Sapling/Shrub Stratum (Plot size:)	That we obe, Thow, of the Park
1	Prevalence Index worksheet:
2	
4.	FACW species x 2 =
5	FAC species x 3 =
= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:) 1. DISTICULIS SPICATA 75 Y FAC	UPL species x 5 =
2. LEPIDIUM LATIFOLIUM , 5000 N FAC	Column Totals: (A) (B)
3. Mead Studio (Runex aigns) 70% N FAC	Prevalence Index = B/A =
4. Dead Sticks (CENTAUREA SOLSTITIALIS) 500 Q	Hydrophytic Vegetation Indicators:
5. [LEPIDIUM CATIVOLUMIC dood sticks)	Dominance Test is >50%
6.	Prevalence Index is ≤3.0¹
7	Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:) = Total Cover	
1,	¹ Indicators of hydric soil and wetland hydrology must
2	be present, unless disturbed or problematic.
= Total Coyer	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Present? Yes No
Remarks:	
Best guess in opecus for the and shins	, seems to have topidum
latifelium Malely + C. Soldhealis could under	it the thousand,
Remarks: Best guess on opecies for the dead states Patifolism Whath + C. Soldillalis could under Veytation of nearby uplands used for delination	V Markery .

SOIL

Sampling Point: SP-1

	pth needed to docum	ent the ind	licator o	r confiri	m the absence of indicators.)
Depth Matrix		Features			
(inches) Color (moist) %	Color (moist)	%\	Type ¹	Loc2	Texture Remarks
0-3.5 10 yr 2/2					SANDYLOAM
1 1/0 1/0	7 -1 11				
3.5-12 10 YR 3/2 90	2.57 4/4	10_	<u> </u>	<u>M</u>	SANO
	,				
12-14 MR26 93	10YR 4/4		\overline{C}	Μ	SANVO
12 17 10 10 10	1011011			<i>/</i>	
¹ Type: C=Concentration, D=Depletion, RN				Sand G	
Hydric Soil Indicators: (Applicable to a	. 1		.)		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	🂢 Sandy Redo				1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Ma		-43		2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Much				Reduced Vertic (F18) Red Parent Material (TF2)
Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C)	Loamy Gley Depleted Ma		-2)		Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark		3)		Office (Explain in Normalina)
Depleted Below Dark Surface (A11)	Depleted Da				
Thick Dark Surface (A12)	Redox Depr				³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools				wetland hydrology must be present,
Sandy Gleyed Matrix (S4)					unless disturbed or problematic.
Restrictive Layer (if present):					
Type:					\checkmark
Depth (inches):					Hydric Soil Present? Yes / No
Remarks: () 0	\ /	10	4.\	. `	7.0
Remarks: Sunty good > In	s arroma (£ 4)	- mar	X /	2 20
	·	,			
HYDROLOGY					
ITIDIOLOGI					
181-11- Allendus Laure Indiantaus					
Wetland Hydrology Indicators:	edu abadu all that apply	Δ.			Secondary Indicators (2 or more required)
Primary Indicators (minimum of one requir					Secondary Indicators (2 or more required)
Primary Indicators (minimum of one requir Surface Water (A1)	Salt Crust	(B11)			Water Marks (B1) (Riverine)
Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2)	Salt Crust	(B11) t (B12)	(042)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3)	Salt Crust Biotic Crus Aquatic Inv	(B11) t (B12) vertebrates			Water Marks (B1) (Riverine)Sediment Deposits (B2) (Riverine)Drift Deposits (B3) (Riverine)
Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust Biotic Crust Aquatic Inv	(B11) t (B12) vertebrates (Sulfide Odo	r (C1)	iving Do	 Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine	Salt Crust of Biotic Crust of Aquatic Inv Hydrogen of Countries and Countries are selected.	(B11) t (B12) vertebrates (Sulfide Odo hizosphere	r (C1) s along L		 Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
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Primary Indicators (minimum of one requir 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 (Water-Stained Leaves (B9)	Salt Crust of Biotic Crust of Aquatic Inv Hydrogen of Oxidized Researce of Recent Iron B7) Thin Muck	(B11) t (B12) vertebrates (Sulfide Odo hizosphere of Reduced n Reduction	r (C1) s along L Iron (C4) i in Tilled 7))	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
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Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Inift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, results)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence C Recent Irol Thin Muck Other (Exp No Depth (inc	(B11) t (B12) rertebrates Sulfide Odo hizosphere of Reduced in Reduction Surface (Citain in Rem ches): ches):	r (C1) s along L Iron (C4) in Tilled 7) arks)	Soils (C	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Cots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) tland Hydrology Present? Yes No
Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Inift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, results)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence C Recent Irol Thin Muck Other (Exp No Depth (inc	(B11) t (B12) rertebrates Sulfide Odo hizosphere of Reduced in Reduction Surface (Citain in Rem ches): ches):	r (C1) s along L Iron (C4) in Tilled 7) arks)	Soils (C	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Cots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) tland Hydrology Present? Yes No
Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Inift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, results)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence C Recent Irol Thin Muck Other (Exp No Depth (inc	(B11) t (B12) rertebrates Sulfide Odo hizosphere of Reduced in Reduction Surface (Citain in Rem ches): ches):	r (C1) s along L Iron (C4) in Tilled 7) arks)	Soils (C	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Cots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) tland Hydrology Present? Yes No
Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Inift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, results)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Thin Muck Other (Exp No Depth (inc No Depth (inc	(B11) t (B12) rertebrates Sulfide Odo hizosphere of Reduced in Reduction Surface (Citain in Rem ches): ches):	r (C1) s along L Iron (C4) in Tilled 7) arks)) Soils (C	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) pots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

J-28)

Project/Site: Collinsville	City/County: _ S	ANO Sampling Date: 67-08-24
Applicant/Owner: US POWEY		State: CA Sampling Point: SP -
Investigator(s): Sidney Wells, Christing R	adviguet Section Township R	lange JN 1 E ZZ
Landform (hillslope, terrace, etc.):		, convex, none): Slope (%):
		Long:
Soil Map Unit Name: 01450 - AMAR CLAYS		
A Real Control of the		
Are climatic / hydrologic conditions on the site typical for the		
Are Vegetation, Soil, or Hydrology		e "Normal Circumstances" present? YesX 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.
Hydric Soil Present? Yes	No Is the Sample No within a Wetl	
VEGETATION – Use scientific names of pla		
Tree Stratum (Plot size:)	Absolute Dominant Indicator % Cover Species? Status	
1		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
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)
Sapling/Shrub Stratum (Plot size:)		Prevalence Index worksheet:
1		Total % Cover of: Multiply by:
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. Conjum maculatum	- 35 Y FACH	Column Totals: (A) (B)
2. Arteme douglasiana	13 1 +76	Prevalence Index = B/A =
3		Hydrophytic Vegetation Indicators:
4		✓ Dominance Test is >50%
5		Prevalence Index is ≤3.0¹
6		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8	50 = Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	C. C	The state of the s
1 2		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	= Total Cover	Hydrophytic Vegetation
Was Equation (Controll to Control and Wildows Control Control	er of Biotic Crust	Present? Yes No
Remarks:		

-	_	**	
$\overline{}$	t I		

rofile Desc Depth	Matrix		Red	OX FEBRUIFO	5			
inches)	Color (moist)	%	Color (moist)	ox Feature: %	Type ¹	Loc²	Texture	Remarks
)-4	7.54R 3/2	100					Saloan	0
1-11.5	10/R21/2	70	254R 4/6	30	<u></u>	PL/M	SiClan	
			¥0					
.5-15.5	10/R 2/1	96	54R 3/4	4	<u></u>	PL/M	Clay -	*.
				-				
	ncentration, D=Dep					ed Sand Gr		on: PL=Pore Lining, M=Matrix.
	ndicators: (Applic	able to all			ed.)			Problematic Hydric Soils ³ :
_ Histosol (Sandy Red					k (A9) (LRR C)
= 0	ipedon (A2)		Stripped M		L /E4\			k (A10) (LRR B)
Black His			Loamy Muc					Vertic (F18)
	Sulfide (A4)	• \	Loamy Gleg Depleted M		(FZ)			nt Material (TF2)
	Layers (A5) (LRR C ck (A9) (LRR D)	9	Redox Darl		F6)		— Other (Exp	olain in Remarks)
	Below Dark Surface	(A11)	Redox Dan		3			
	rk Surface (A12)	((1))	Redox Dep				3Indicators of h	nydrophytic vegetation and
• • • • • • • • • • • • • • • • • • • •	ucky Mineral (S1)		Vernal Poo		-,			rology must be present,
	leyed Matrix (S4)			/			Desired Court of the latest	rbed or problematic.
strictive L	ayer (if present):							
Type:								X
Type: Depth (incomarks: So	hes):	offset	from location	on of	vege	lation,	Hydric Soil Pre	esent? Yes No No No
Type: Depth (inc marks: 50 DISSODU	hes): il pit was o s plants (Co	offset onium r	from location	on of	vege	tation y		A CONTRACTOR OF THE CONTRACTOR
Type: Depth (inc marks: ろい からかかい	hes): il pit was (s plants (Ca	offset onlum v	from location	on of	vege	tation 1		A CONTRACTOR OF THE CONTRACTOR
Type:	hes): il pit was o s plants (Co	onium r	naculatum)) -	vege	tation 1	plot due t	A CONTRACTOR OF THE CONTRACTOR
Type:	hes): I pit was a S plants (Co	onium r	naculatum) - ly)	vege	tation i	plot due t	y Indicators (2 or more required)
Type:	hes): I pit was a plants (Case) GY rology Indicators: ators (minimum of only Nater (A1)	onium r	n a CV (a twn)	ly) -	vege	tation i	Plot due t Secondar Wate	y Indicators (2 or more required) or Marks (B1) (Riverine)
Type:	hes): I pit was (S plants (Co SY rology Indicators: ators (minimum of one Nater (A1) er Table (A2)	onium r	check all that appl Salt Crust Biotic Crus	ly) - : (B11) st (B12)		tation y	Plot due t Secondar Wate Sedir	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine)
Depth (incomarks: Social Socia	hes): I pit was (S plants (Co SY rology Indicators: ators (minimum of o Nater (A1) er Table (A2) n (A3)	nium Y	check all that appl Salt Crust Biotic Crust Aquatic In	ly) - : (B11) st (B12) svertebrate:	s (B13)	tation y	Secondar Wate Sedir Drift I	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
DROLOC tland Hyd mary Indica Surface V High Wat Saturation Water Ma	hes): I Pit Was (S plants (Co S plants (Co S plants (Co S plants (Co Nater (A1) Per Table (A2) In (A3) Parks (B1) (Nonriveri	ne required	salt Crust Aquatic In Hydrogen	ly) : (B11) st (B12) ivertebrate: Sulfide Oc	s (B13) dor (C1)		Secondar — Wate — Sedir — Drift I — Drain	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10)
DROLOG etland Hyd mary Indica Surface V High Wat Saturation Water Ma Sediment	rology Indicators: ators (minimum of or Vater (A1) rer Table (A2) n (A3) arks (B1) (Nonriveriation of the proposits (B2) (Norriveriation of the proposition of the pr	ne required	scheck all that appl Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	ly) : (B11) st (B12) ivertebrate: Sulfide Oc Rhizospher	s (B13) dor (C1) res along	Living Roof	Secondar Wate Sedir Drift I Drain ts (C3) Dry-S	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2)
DROLOG etland Hyd mary Indica Surface V High Water Ma Sediment Drift Depo	rology Indicators: ators (minimum of or Vater (A1) rer Table (A2) n (A3) arks (B1) (Nonriveriat Deposits (B2) (Nonriveriatis (B3) (Nonriveriatis (ne required	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	ly) t (B11) st (B12) evertebrate: Sulfide Oc Rhizospher of Reduce	s (B13) dor (C1) res along d Iron (C4	Living Roof	Secondar Wate Sedir Drift I Drain ts (C3) Crayf	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
DROLOC etland Hyde mary Indica Surface V High Water Ma Sediment Drift Depo	hes): IN PIT WAS (Company) FOR THE PROPERTY OF THE PROPERTY	ne required ne) priverine) ine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	ly) - (B11) st (B12) evertebrate: Sulfide Oc Rhizospher of Reduce	s (B13) dor (C1) res along d Iron (C4 on in Tille	Living Roof	Secondar Wate Sedir Drift I Drain ts (C3) Satur	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) tage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C
DROLOC etland Hyd mary Indica Surface V High Water Ma Sediment Drift Depo Surface S Inundatio	hes): IN PIT WAS (Company) Foliation (Company) F	ne required ne) priverine) ine)	salt Crust Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	ly) (B11) st (B12) evertebrate: Sulfide Oc Rhizospher of Reduce on Reduction	s (B13) dor (C1) res along d Iron (C4 on in Tille C7)	Living Roof	Secondar Wate Sedir Drift I Drain ts (C3) Dry-S Crayf Satur Shall	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ow Aquitard (D3)
DROLOG Patland Hyd mary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo	rology Indicators: ators (minimum of or Nater (A1) er Table (A2) n (A3) arks (B1) (Nonriverist Deposits (B2) (Nonriverist) soil Cracks (B6) n Visible on Aerial Inained Leaves (B9)	ne required ne) priverine) ine)	salt Crust Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	ly) - (B11) st (B12) evertebrate: Sulfide Oc Rhizospher of Reduce	s (B13) dor (C1) res along d Iron (C4 on in Tille C7)	Living Roof	Secondar Wate Sedir Drift I Drain ts (C3) Dry-S Crayf Satur Shall	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) tage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C
DROLOG etland Hyd mary Indica Surface V High Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta	rology Indicators: ators (minimum of or Nater (A1) ar Table (A2) n (A3) arks (B1) (Nonriveriat Deposits (B2) (Nonriveriat Deposits (B3) (Nonriveriat Deposits (B6)) n Visible on Aerial In ained Leaves (B9) ations:	ne required ne) ine) magery (B7	scheck all that appl Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Ex	ly) st (B11) st (B12) evertebrate: Sulfide Oc Rhizospher of Reduce on Reduction c Surface (in plain in Re	s (B13) dor (C1) res along d Iron (C4 on in Tille C7)	Living Roof	Secondar Wate Sedir Drift I Drain ts (C3) Dry-S Crayf Satur Shall	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ow Aquitard (D3)
DROLOG Color of the state of t	hes): IN PIT WAS (Company) Foliation (Company) F	ne required ne) niverine) ine) magery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	ly) st (B11) st (B12) evertebrates Sulfide Oc Rhizospher of Reduce on Reduction c Surface (in plain in Re	s (B13) dor (C1) res along d Iron (C4 on in Tille C7)	Living Roof	Secondar Wate Sedir Drift I Drain ts (C3) Dry-S Crayf Satur Shall	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ow Aquitard (D3)
DROLOG Color of the state of t	hes): IN PIT WAS (Company) Foliation (Company) F	ne required ne) niverine) ine) magery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	ly) st (B11) st (B12) svertebrate: Sulfide Oc Rhizospher of Reduce on Reduction of Surface (in plain in Re suches):	s (B13) dor (C1) res along d Iron (C4 on in Tille C7)	Living Root 4) d Soils (C6)	Secondar Wate Sedir Drift I Drain ts (C3) Dry-S Crayf Satur Shall FAC-	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ow Aquitard (D3) Neutral Test (D5)
DROLOG Partiand Hyde Mary Indica Surface V High Water Ma Sediment Drift Depo Surface S Inundatio Water-State Id Observ Frace Water State Table Food of the state of	hes): IN pit Was (Solutions): Foliations: ators (minimum of orwater (A1) er Table (A2) n (A3) arks (B1) (Nonriveriat Deposits (B2) (Norriversiates (B3) (Nonriversiates (B4)) atoms: r Present?	ne) priverine) ine) magery (B7	Salt Crust Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Thin Muck Other (Exp	ly) st (B11) st (B12) svertebrate: Sulfide Oc Rhizospher of Reduce on Reductic s Surface (i plain in Re aches): aches):	s (B13) dor (C1) res along d Iron (C4 on in Tille C7) marks)	Living Roof 4) d Soils (C6)	Secondar Wate Sedir Drift I Drain ts (C3) Dry-S Crayf Satur Shall FAC-	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ow Aquitard (D3) Neutral Test (D5)
Depth (inc emarks: So Dissolv) DROLOG etland Hyd mary Indica Surface V High Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta etld Observ rface Water ater Table F turation Precludes capi	hes): Il pit Was (S plants (Ca Foliators (minimum of or Nater (A1) For Table (A2) In (A3) For Action (A3) In (A3) For Cost (B4) In (Nonriver (B4) In (Nonriver (B4) In (A3)	ne) priverine) ine) magery (B7	Salt Crust Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Thin Muck Other (Exp	ly) st (B11) st (B12) svertebrate: Sulfide Oc Rhizospher of Reduce on Reductic s Surface (i plain in Re aches): aches):	s (B13) dor (C1) res along d Iron (C4 on in Tille C7) marks)	Living Roof 4) d Soils (C6)	Secondar Wate Sedir Drift I Drain ts (C3) Dry-S Crayf Satur Shall FAC-	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ow Aquitard (D3) Neutral Test (D5)
DROLOG etland Hyd imary Indica Surface V High Water Ma Sediment Drift Depo Surface S Inundatio Water-State eld Observ rface Water ater Table F turation Precludes capi	hes): IN pit Was (Solutions): Foliations: ators (minimum of orwater (A1) er Table (A2) n (A3) arks (B1) (Nonriveriat Deposits (B2) (Norriversiates (B3) (Nonriversiates (B4)) atoms: r Present?	ne required ne) priverine) ine) magery (B7	Salt Crust Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	ly) st (B11) st (B12) evertebrates Sulfide Oc Rhizospher of Reduce on Reduction Surface (in plain in Re eches): eches): photos, pre	s (B13) dor (C1) res along d Iron (C4 on in Tille C7) marks)	Living Roof 4) d Soils (C6) Wetla	Secondar Wate Sedir Drain ts (C3) Dry-S Crayf Satur Shall FAC-	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ow Aquitard (D3) Neutral Test (D5)
DROLOG etland Hyd mary Indica Surface V High Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta eld Observ rface Water ater Table F turation Pre cludes capi scribe Rec	hes): IN pit Was (Solutions): Foliations: ators (minimum of orwater (A1) er Table (A2) n (A3) arks (B1) (Nonriveriat Deposits (B2) (Norriversiates (B3) (Nonriversiates (B4)) atoms: r Present?	ne required ne) priverine) ine) magery (B7	Salt Crust Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	ly) st (B11) st (B12) evertebrates Sulfide Oc Rhizospher of Reduce on Reduction Surface (in plain in Re eches): eches): photos, pre	s (B13) dor (C1) res along d Iron (C4 on in Tille C7) marks)	Living Roof 4) d Soils (C6) Wetla	Secondar Wate Sedir Drain ts (C3) Dry-S Crayf Satur Shall FAC-	y Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ow Aquitard (D3) Neutral Test (D5)



Project/Site: Callinsville		City/County:	861	ano	Sampling I	Date: 07-	08-2
Applicant/Owner: US POWEN				State: <u>C/</u> 9			
Investigator(s): Sidney Wells, Christing	a Rodinguez	Section To	vnshin Ra	nge: JN IE	22		
Landform (hillslong terrace etc.):	0	Local relief	(concave	convex none). Mo	re	Slone (%). Ø
Landform (hillslope, terrace, etc.):	Lati	8 081	112	1000: -171 PL	8972	_ Clope (//	A0198
Soil Map Unit Name:OIABLO - AYAR_ C							10 1 10
						×	
Are climatic / hydrologic conditions on the site typi						~	<i>(</i> 2)
Are Vegetation, Soil, or Hydrology						176	No
Are Vegetation, Soil, or Hydrology	naturally pr	oblematic?	(if ne	eeded, explain any answ	ers in Remar	ks.)	
SUMMARY OF FINDINGS - Attach sit	te map showing	g sampling	g point l	ocations, transect	s, importa	int featur	es, etc.
Hydrophytic Vegetation Present? Yes	No_X_			• ₩//we ex			
	No X		e Sampleo		No	X	
	No X	withi	n a Wetlai	nd? Yes	No		
Remarks:							
VEGETATION – Use scientific names	of plants.			1			log ^{er} .
		Dominant		Dominance Test wo	rksheet:	,	
<u>Tree Stratum</u> (Plot size:) 1		Species?		Number of Dominant That Are OBL, FACW		<u>ø</u> _	_ (A)
2		+30 V		Total Number of Dom		7	
3				Species Across All St	rata: _		_ (B)
4		_ = Total Cov	/er	Percent of Dominant of That Are OBL, FACW		ø_	_ (A/B)
1				Prevalence Index wo	orksheet:		
2				Total % Cover of		Multiply by:	
3				OBL species	x1=	=	
4				FACW species	x2=	=	
5		-x		FAC species			
5	Ţ	_ = Total Cov	/er	FACU species	x 4 =		
Herb Stratum (Plot size: 5)	7 h	/	X	UPL species			
2. ARTENESIA DOUGLASIANA			FAC	Column Totals:	(A)		(B)
3. CENTAUREA SOLSTITIAL	1 (bluet) 40	1	X	Prevalence Inde	x = B/A =		
4. SALSOLA SODA? dead, skeleta		- X	FACIJ	Hydrophytic Vegetat			
5				Dominance Test	is >50%		
6.		-		Prevalence Index	is ≤3.0 ¹		
7.				Morphological Ad	aptations¹ (P	rovide suppo	orting
8				data in Remar			
		_ = Total Cov	/er	Problematic Hydr	ophytic Vege	tation' (Expl	ain)
Woody Vine Stratum (Plot size:	_)			francisco de bonacio	29 223	al la valuata av	
1	· · · · · · · · · · · · · · · · · · ·	- :		¹ Indicators of hydric s be present, unless dis			must
2		- T-1-10			1/	100000000000000000000000000000000000000	
11		_ = Total Cov	/er	Hydrophytic Vegetation	×	V	
% Bare Ground in Herb Stratum	% Cover of Biotic C	Crust	<u>/</u>	Present? Y	es	No	
Remarks: Skeleton looked Similar survey that spices nos no	to Sulsolo tobserved	i soda	shelete	heard trid in	n fer	ustri -	_
1							

_	-		
•	- 60	M	

Sampling Point:	Sampling	Point:	
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Depth Matrix Redox Features	
(inches) Color (moist) % Color (moist) %	Type ¹ Loc ² Texture Remarks
0-4 2,5 4 3/2	LOAMYSAND
11 115 - 51/ 3/	<u> </u>
4-16.5 Z.SY 3/5	<u>SAND</u>
1	2
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise note	CP100
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	A CONTRACTOR OF THE PROPERTY O
Hydrogen Sulfide (A4) Loamy Gleyed Matrix	
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (I	
Depleted Below Dark Surface (A11) Depleted Dark Surface	
Thick Dark Surface (A12) Redox Depressions (F	
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 No
Remarks:	
*	
-	
HYDROLOGY	
HYDROLOGY Wetland Hydrology Indicators:	
an controlle statement attraction. Companies	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	* /
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11)	Water Marks (B1) (Riverine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Salt Crust (B11) Biotic Crust (B12)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Aquatic Invertebrates	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Es along Living Roots (C3) Dry-Season Water Table (C2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) es along Living Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) 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) Presence of Reduced	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) es along Living Roots (C3) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) In in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dry-Season Water Table (C2) Dry-Season Water Table (C3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced Surface Soil Cracks (B6) Recent Iron Reduction Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C) Water-Stained Leaves (B9) Other (Explain in Ref	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dry-Season Water Table (C2) Dry-Season Water Table (C3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) 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:	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table (C5) Dry-Season Water Table (C5) Dry-Season Water Table (C5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Aquatic Invertebrates Hydrogen Sulfide Od 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? Presence of Reduced Recent Iron Reduction Thin Muck Surface (C) Water-Stained Leaves (B9) Other (Explain in Ref	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) C7) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Orift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced Surface Soil Cracks (B6)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced Surface Soil Cracks (B6) Recent Iron Reduction Inundation Visible on Aerial Imagery (B7)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table (C2) Dry-Season Water
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced Surface Soil Cracks (B6)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table (C2) Dry-Season Water
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced Surface Soil Cracks (B6) Recent Iron Reduction Hundation Visible on Aerial Imagery (B7) Thin Muck Surface (Context) Water-Stained Leaves (B9) Other (Explain in Rerefield Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table (C2) Dry-Season Water
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced Surface Soil Cracks (B6) Recent Iron Reduction Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (Capture (Explain in Renotation Present))	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table (C2) Dry-Season Water
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced Surface Soil Cracks (B6) Recent Iron Reduction Hundation Visible on Aerial Imagery (B7) Thin Muck Surface (Context) Water-Stained Leaves (B9) Other (Explain in Rerefield Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table (C2) Dry-Season Water
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced Surface Soil Cracks (B6) Recent Iron Reduction Hundation Visible on Aerial Imagery (B7) Thin Muck Surface (Context) Water-Stained Leaves (B9) Other (Explain in Rerefield Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table (C2) Dry-Season Water
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced Surface Soil Cracks (B6) Recent Iron Reduction Hundation Visible on Aerial Imagery (B7) Thin Muck Surface (Context) Water-Stained Leaves (B9) Other (Explain in Rerefield Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table (C2) Dry-Season Water
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates Water Marks (B1) (Nonriverine) Hydrogen Sulfide Od Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospher Drift Deposits (B3) (Nonriverine) Presence of Reduced Surface Soil Cracks (B6) Recent Iron Reduction Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (Context) Water-Stained Leaves (B9) Other (Explain in Rerefield Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, presented and provided pro	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Or (C1) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

WETLAND DET	ERMINATION	DATA FORM -	- Arid West Region	LW-29
Project/Site: COLLINSVILLE	City/0	County: SUISUN C	Sampling	Date: 7/8/2
Applicant/Owner: L5 POWER			State: A Sampling	Point: SP-1
Investigator(s): CY, NOORIGUEZ + S. U				
Landform (hillslope, terrace, etc.):				Slope (%): Ø
Subregion (LRR):	1 at: 3 8	081801	Long: -121, 846 584	
Soil Map Unit Name: \$1ABLO -AYAR CLATS			NWI classification:	
		\/		
Are climatic / hydrologic conditions on the site typical for			"Normal Circumstances" present?	vaa X Na
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology	_ naturally problem	atic? (If ne	eeded, explain any answers in Rema	arks.)
SUMMARY OF FINDINGS – Attach site ma	p showing sar	npling point le	ocations, transects, import	tant features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	No	Is the Sampled within a Wetlar		
VEOLETATION III : 115				
VEGETATION – Use scientific names of pla		winest ladicates	Dominance Test worksheet:	
Tree Stratum (Plot size:)		minant Indicator ecies? Status	Number of Dominant Species	1.
1			That Are OBL, FACW, or FAC:	(A)
2	_,		Total Number of Dominant	
3			Species Across All Strata:	(B)
4	7		Percent of Dominant Species	(===10
Sapling/Shrub Stratum (Plot size:)	<u></u>	otal Cover	That Are OBL, FACW, or FAC:	100% (A/B)
1			Prevalence Index worksheet:	
2.			Total % Cover of:	Multiply by:
3.			OBL species x 1	I =
4			FACW species x 2	<u>≥</u> =
5			FAC species x 3	3 =
Sx D4.	= To	otal Cover	FACU species x 4	
Herb Stratum (Plot size: 5 &g. ++) 1. LEPIDIUM LATIFOLIUM	30	V FAC.	UPL species x 5	
2. FRANKENIA SALINA		V FACIAL	Column Totals: (A)	(B)
3		1.1000	Prevalence Index = B/A =	
4.			Hydrophytic Vegetation Indicat	ors:
5		7.0	∑ Dominance Test is >50%	
6.			Prevalence Index is ≤3.01	
7			Morphological Adaptations¹ (Provide supporting
8			data in Remarks or on a s Problematic Hydrophytic Veg	Long the control of t
Mander Vina Stratum / Plat airce	_ <u>55</u> _=To	otal Cover	Troblemate Trydrophytic veg	ctation (Explain)
Woody Vine Stratum (Plot size:) 1			¹ Indicators of hydric soil and wetla	and hydrology must
2.			be present, unless disturbed or pr	
	= To	otal Cover	Hydrophytic Vegetation Present? Yes	No
Remarks:		/		

_	_	
c	$\overline{}$	10
_		

Sampling Point: SP-1

Depth (inches)	Matrix Color (moist)	<u></u> %	Redox Color (moist)	Features	_Type ¹ _	Loc ²	Texture	Remarks
(inches)	Color (moist)		Color (moist)	%	Type	LOC	rexture	Remarks
0-4	5 YR 2.5/1	99	54R 4/6			\sim	Loany Soud	
	3 // //		- 11) ()	
<u> </u>					-			· · · · · · · · · · · · · · · · · · ·
4-16	2.5 Y 3/2	-65 -	INYR 3/4	75	145	01 +M	Sand	
	1.5/1/2		1011			12.7		:
	•							
¹Type: C=Cd	oncentration, D=Deple	tion RM=R	Peduced Matrix CS:	=Covered	or Coated	Sand Gra	ains ² Location: Pl	_=Pore Lining, M=Matrix.
	ndicators: (Applica					ound on		lematic Hydric Soils ³ :
Histosol	S. 170		X Sandy Redo				1 cm Muck (A9)	
	ipedon (A2)		Stripped Mat		a a		2 cm Muck (A10	0.0
Black His	2. 2.		Loamy Muck	•			Reduced Vertic	A 1
	n Sulfide (A4) Layers (A5) (LRR C)	Į.	Loamy Gleye Depleted Ma		(FZ)		Red Parent Mat Other (Explain in	
	ck (A9) (LRR D)		Redox Dark		F6)		Other (Explain)	(Nemarka)
	Below Dark Surface	(A11)	Depleted Da					
Thick Da	rk Surface (A12)		Redox Depre	essions (F	8)		3Indicators of hydrop	
	ucky Mineral (S1)		Vernal Pools	(F9)			wetland hydrology	
	leyed Matrix (S4) ayer (if present):			-			unless disturbed of	or problematic.
Type:	ayer (ii present).							
Depth (inc	thes):						Hydric Soil Present?	? Yes X No
Remarks:							Tiyuno con i recent	. 100 2
HYDROLO	GY							
	Irology Indicators:							
2.5	ators (minimum of on	e required:	check all that apply)			Secondary Indi	cators (2 or more required)
Surface \	Water (A1)		Salt Crust (B11)			Water Mark	ks (B1) (Riverine)
	ter Table (A2)		Biotic Crust	200 B				Deposits (B2) (Riverine)
Saturatio	n (A3)		Aquatic Inve		s (B13)			sits (B3) (Riverine)
Water Ma	arks (B1) (Nonriverin	e)	Hydrogen S	Sulfide Od	or (C1)		Drainage P	atterns (B10)
Sedimen	t Deposits (B2) (Noni	riverine)	Oxidized RI	nizospher	es along L	iving Root	s (C3) Dry-Season	n Water Table (C2)
Drift Dep	osits (B3) (Nonriveri	ne)	Presence of	f Reduced	d Iron (C4)			urrows (C8)
	Soil Cracks (B6)	64TO-COM	Recent Iron			Soils (C6)		Visible on Aerial Imagery (C9)
	on Visible on Aerial Im	agery (B7)	Thin Muck S				Shallow Ad	NV A- NV A SMANAGE
7 .	ained Leaves (B9)		Other (Expl	ain in Rer	marks)		FAC-Neutr	al Test (D5)
Field Observ Surface Water		s No	Depth (incl	200).				
Water Table		s No	. /			-		
Saturation Pr		s No	7			Wetla	nd Hydrology Present	t? Yes No
(includes cap		NC	Deptil (illici	165)		_ vvetia	na rryarology r resem	i: res / No
Describe Rec	orded Data (stream g	auge, moni	toring well, aerial pl	notos, pre	evious insp	ections), if	f available:	
Dawarder								
Remarks:								

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

WETLAND DETE	RMINATION	DATA FORM -	 Arid West Region 	TN-29
Project/Site: COLUINSVILLE	City/	County: < 4154N	CITY/SOLANO Samplin	ng Date: 7/8/2
Applicant/Owner: 45 POWER			State: CA Samplin	
Investigator(s): CY, ROPRIBUEZ - S. WE				
Landform (hillslone terrace etc.):	Loca	al relief (concave o	convex none). whe	Slope (%): Ø
Landform (hillslope, terrace, etc.):	1 at: 38	031740	1000: -121, 846.81C	elope (70)
Soil Map Unit Name: VI ASLO - AYA R	1A45 71	-9 m	NIW/I classification:	_ &
· ·				
Are climatic / hydrologic conditions on the site typical for the			"Normal Circumstances" present?	V X N-
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology			eeded, explain any answers in Rer	
SUMMARY OF FINDINGS – Attach site map	showing sar	npling point le	ocations, transects, impo	rtant features, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes Remarks:	No _X	Is the Sampled within a Wetlar		, <u>X</u>
VEGETATION – Use scientific names of pla	nts.			
		minant Indicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size:) 1		ecies? Status	Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
2			Total Number of Dominant	427
3			Species Across All Strata:	(B)
4	= To	otal Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B)
Sapling/Shrub Stratum (Plot size:) 1	1		Prevalence Index worksheet:	
2.			Total % Cover of:	Multiply by:
3.			OBL species x	1 =
4.			FACW species x	per contract of the contract o
5			FAC species x	3 =
Cuch.	= To	otal Cover	FACU species x	4 =
Herb Stratum (Plot size: SEX.++) 1. CENTAUREA SOLSTITIALIS	30	/ /	UPL species x	
2. LEPIDIUM LATIFOLIUM	- 20 -	V FAC	Column Totals: (A	A)(B)
3		/	Prevalence Index = B/A =	
4.			Hydrophytic Vegetation Indica	ators:
5.			Dominance Test is >50%	
6			Prevalence Index is ≤3.0 ¹	
7			Morphological Adaptations¹ data in Remarks or on a	
8			Problematic Hydrophytic Ve	
Woody Vine Stratum (Plot size:)	_ <u>SS_</u> = To	otal Cover		goulder (Explain)
1			¹ Indicators of hydric soil and we	tland hydrology must
2.			be present, unless disturbed or	problematic.
% Bare Ground in Herb Stratum 45 % Cove	= To	otal Cover	Hydrophytic Vegetation Present? Yes	No <u>X</u>
Remarks:				

SOIL

Sampling Point: Sp-7

Profile Description: (Describe to the depth n			THE THE TOTAL PLANT OF THE TOTA
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type ¹ Lo	c ² Texture	Remarks
(mones)	70 17po 20	- TOXIGIO	
5 ICT 7 CV2 2 T/2 IVS		SAND	
0-15.5 7.5 YR 25/2 100		SAND	
			
¹ Type: C=Concentration, D=Depletion, RM=Rec	luced Matrix, CS=Covered or Coated Sai	nd Grains ² I ocation	: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRF			roblematic Hydric Soils ³ :
7	Sandy Redox (S5)		(A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)		(A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Ve	71 182 H D.
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	(Company)	Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Expla	ain 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)		drophytic vegetation and
	Vernal Pools (F9)		logy must be present,
Sandy Gleyed Matrix (S4)	J	unless disturb	ed or problematic.
Restrictive Layer (if present):			
Type:			V
Depth (inches):		Hydric Soil Pres	ent? Yes No 🔏
Remarks:			
LIVEROL COV			
HYDROLOGY			
Wetland Hydrology Indicators:			
Primary Indicators (minimum of one required; ch	eck all that apply)	<u>Secondary</u>	Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)	Water	Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sedime	ent Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drift De	eposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Draina	ge Patterns (B10)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Living	g Roots (C3) Dry-Se	ason Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfis	h Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled Soil	s (C6) Saturat	tion Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	Shallov	v Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-N	eutral Test (D5)
Field Observations:			
Surface Water Present? Yes No _	X Depth (inches):		
Water Table Present? Yes No	X Depth (inches):		
Saturation Present? Yes No _	1 -	Wetland Hydrology Pre	sent? Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monito	ing well, aerial photos, previous inspection	ons), if available:	
Remarks:			

		212 (2004)
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 MALTI AND DETE:		W-30
is not a wetland. See section 5.1 of the Aquatic Resources Delineation Report for more detail.		
		Source Sampling Date: 7/8/2
Applicant/Owner: LS POWER		State: A Sampling Point: SP-
Investigator(s): CHROMITONER SWEA	L5 Section, Township, R	Range: 3N 6 2 2
Landform (hillslope, terrace, etc.):	Local relief (concave	e, convex, none); 1000 Slope (%);
Subregion (LRR):	Lat: <u> </u>	Long: <u>- と 、 894 は O</u> Datum: <u>人 ドツ で</u>
Soil Map Unit Name: VIABLO - AMAR C	cA15 ety 9 percent	NWI classification:
Are climatic / hydrologic conditions on the site typical for thi		
Are Vegetation, Soil, or Hydrology s	significantly disturbed? Are	e "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology r	naturally problematic? (If r	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	ls the Sample	od Area
Hydric Soil Present? Yes N Wetland Hydrology Present? Yes N	within a Wetla	
Wetland Hydrology Present? Yes N	lo_X	, , , , , , , , , , , , , , , , , , ,
Remarks: Strong undicators of lands	copyright vegetolic	a + hydric soil, landocape
position. V Period willy ladish	willowd Pilydrolo	my libely due to dry yearn
	0	Sourcey.
VEGETATION - Use scientific names of plan	ts.	\mathcal{O}
	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% 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	Total Cours	Percent of Dominant Species That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size:)	Total Cover	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 =
Herb Stratum (Plot size:)	= Total Cover	FACU species x 4 =
1. DISTICITUS SPICATA	75 Y FAC	UPL species x 5 =
2. CENTIMIREA SOLSTITIALIS	10 X	Column Totals: (A) (B)
3.		Prevalence Index = B/A =
4.		Hydrophytic Vegetation Indicators:
5		✓ Dominance Test is >50%
6		Prevalence Index is ≤3.0¹
7		Morphological Adaptations ¹ (Provide supporting
8		data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
Manda Vine Otation / Dist -i	85 = Total Cover	Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum (Plot size:)		¹ Indicators of hydric soil and wetland hydrology must
1		be present, unless disturbed or problematic.
	Total Cover	Hydrophytic
W Pour Crowned in Usets Observed 7		Vegetation
% Bare Ground In Herb Stratum % Cover	of Biotic Crust	Present? Yes No No
Remarks:		

C	^	Į	1
• •	L.J	1	1_

Point: 30-1

Profile Desci	ription: (Describe t	o the depth	needed to docum	ent the	indicator	or confirn	n the absence of indicators.)			
Depth	Matrix		Redox	Feature	S1	1 - 2	Tautima			
(inches)	Color (moist)	<u>%</u> _	Color (moist)	%	_ I ype'	Loc_	Texture Remarks			
0-3_	104R 4/2						LOMM YSMND			
3-14.5	10YR 3/1	98	5 /R 4/6	2		M	SIAND			
	ncentration, D=Depl					d Sand G				
Hydric Soil I	ndicators: (Applica	ble to all L	. /		ed.)		Indicators for Problematic Hydric Soils ³ :			
Histosol			X Sandy Redo				1 cm Muck (A9) (LRR C)			
	ipedon (A2)		Stripped Ma		1754)		2 cm Muck (A10) (LRR B)			
Black His	• •		Loamy Muck				Reduced Vertic (F18) Red Parent Material (TF2)			
	n Sulfide (A4) Layers (A5) (LRR C	`	Loamy Gleye Depleted Ma		· (FZ)		Other (Explain in Remarks)			
	ck (A9) (LRR D)	,	Redox Dark		(F6)		Outer (Exposit it Noticeto)			
	Below Dark Surface	(A11)	Depleted Da							
	rk Surface (A12)	` ,	Redox Depre				³ Indicators of hydrophytic vegetation and			
	ucky Mineral (S1)		Vernal Pools	(F9)			wetland hydrology must be present,			
	leyed Matrix (S4)						unless disturbed or problematic.			
Restrictive L	ayer (if present):									
Туре:										
Depth (inc	hes):						Hydric Soil Present? Yes No			
IYDROLO(GY									
Wetland Hyd	Irology Indicators:									
Primary Indic	ators (minimum of or	ne required;	check all that apply	')			Secondary Indicators (2 or more required)			
Surface \	Water (A1)		Salt Crust ((B11)			Water Marks (B1) (Riverine)			
High Wa	ter Table (A2)		Biotic Crus	t (B12)			Sediment Deposits (B2) (Riverine)			
Saturatio	n (A3)		Aquatic Inv	ertebrate	es (B13)		Drift Deposits (B3) (Riverine)			
Water M	arks (B1) (Nonriveri	ne)	Hydrogen S	Sulfide O	dor (C1)		Drainage Patterns (B10)			
Sedimen	t Deposits (B2) (No n	riverine)					ots (C3) Dry-Season Water Table (C2)			
Drift Dep	osits (B3) (Nonriver	ine)	Presence o				Crayfish Burrows (C8)			
	Soil Cracks (B6)		Recent Iron	n Reduct	ion in Tille	d Soils (Ce				
Inundatio	on Visible on Aerial Ir	nagery (B7)					Shallow Aquitard (D3)			
	ained Leaves (B9)		Other (Exp	lain in Re	emarks)		FAC-Neutral Test (D5)			
Field Observ										
Surface Wate			o X Depth (inc							
Water Table			o X Depth (inc				\checkmark			
Saturation Pr (includes cap							Ind Hydrology Present? Yes NoX			
Describe Ket	wided Data (Stream	yauye, mon	morning went genglit	πισευδ, βί	evious ills	herious),	, a ayadabic,			
Remarks:	l pllosbord	ading ine v	without of ofere of fr	hydr essoci	Cloraly Links	held	gent willows			

W-30

Project/Site: COLLINS VILLE City/C	County: SUISUNCITY /SOLAND Sampling Date: JULY 9 7
	State: A Sampling Point: SP-Z
Applicant/Owner: LS POWER	
Investigator(s): CY, PODRIGUEZ + S. WEUSsection	on, Township, Range: 3N 1E
Landform (hillslope, terrace, etc.): ontor of a dust full Loca	I relief (concave, convex, none): Slope (%):
Subregion (LRR): Lat: _3\(\) . O	82463 Long: -121.843560 Datum: MAO 198
Soil Map Unit Name: DIABLO AMMR CLAY, 2toy no slope	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	'es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing san	npling 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	within a Wetland? Yes No/_
Remarks:	
	ž.
VEGETATION – Use scientific names of plants.	
	minant Indicator Dominance Test worksheet: Decies? Status Number of Dominant Species
1	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 (Plot size:)	otal Cover 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 =
	otal Cover FACU species x 4 =
Herb Stratum (Plot size:)	UPL species x 5 =
1	(A) (B)
2. BYAGSICA Sheleton (species.)	Prevalence Index = B/A =
3. Dead grass (Annual?) 75	Hydrophytic Vegetation Indicators:
4. trankeria salina	Dominance Test is >50%
5. 2 (100)	Prevalence Index is ≤3.0¹
6. Container postitialis	Morphological Adaptations¹ (Provide supporting
7	data in Remarks or on a separate sheet)
8	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	otal Cover
1	¹ Indicators of hydric soil and wetland hydrology must
2.	be present, unless disturbed or problematic.
	otal Cover Hydrophytic
% Bare Ground in Herb Stratum % Cover of Biotic Crust_	Vegetation Present? Yes No
Remarks: Collitated Sperimens of the dead grass on speries (two that I had some struct	for could not make a determination.
Country that I had some struct	ture left). Maybe à Hordeum?
or stones Care	
	P:

_	\sim	•	
•	, ,		

Inpling Point: $\frac{\sqrt{30}}{59-2}$

Profile Desc Depth	Matrix		Redo	x Feature	ıs.			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
ii e								
0-4.5	10 YR 4/2	97	104R 4/6	-3	<u> </u>	M	CLAY	
<u> </u>	10 / 172		10112 70					
1512	101/0 3/0	12	1					
1.5-1.7	10 yr 3/2	100.	10				CLAY	
e + 7	3 ×			, ÷		3		
		V)						
-165	INYR 6/1	1//0					SI C/	· · · · · · · · · · · · · · · · · · ·
10.5	10/12/6	-400 -		9		-	21.9	
5	107R3/1		7es		(4)			Stripis in Matrix darker
Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, CS	=Covered	d or Coated	d Sand G	irains. ² Lo	cation: PL=Pore Lining, M=Matrix.
	ndicators: (Applica							for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Redo	x (S5)	<		1 cm l	Muck (A9) (LRR C)
Histic Ep	pipedon (A2)		Stripped Ma		1			Muck (A10) (LRR B)
Black His	stic (A3)	. `	Loamy Mucl	S 5	l (F1)		-	ced Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy Gley					arent Material (TF2)
	Layers (A5) (LRR C	:)-	Depleted Ma		7	3.6		(Explain in Remarks)
	ck (A9) (LRR D)	. • .	Redox Dark		(F6)	120		
Depleted	Below Dark Surface	(A11)	Depleted Da				- ~	
Thick Da	rk Surface (A12)		Redox Depr	essions (F	F8)		3Indicators	of hydrophytic vegetation and
Sandy M	lucky Mineral (S1)		Vernal Pools		e vare		and the second s	hydrology must be present,
Sandy G	leyed Matrix (S4)		720	* *		**		listurbed or problematic.
Restrictive L	ayer (if present):			-		-	1.	
Type								
Type:	shae).	41		£ .			Lludria Cail	Proceed? Ves X
Depth (inc		at be	came ori	of in	hand Hole	مار مادرات		Present? Yes No_
Depth (inclemarks: Statutury	on one top the opines fact.	Low	come ori	th in	And Hole	clod		
Depth (incorporation) Remarks: Solution John 15,5 YDROLOG	on the tri the openes fret.	you to	- came ori	th in clods.	land Hole	clod		
Depth (income property) Remarks: Some property of the propert	oil Gre top the openes fret. GY		<u> </u>		hard Hole	clod	o Measu	rements are estimate. The core came for
Depth (income property) Remarks: Some property of the propert	on the tri the openes fret.		check all that apply)	And Hole	clock	o Measu	
Depth (income property of the	oil Gre top the openes fret. GY		<u> </u>)	And Hole	clock	Secon	rements are estimate. The core came for
Depth (inconstruction of the construction of t	ore top the openes fret. GY Irology Indicators: ators (minimum of or		check all that apply) B11)	And Hole	clod	Secon	remember are estimate. The core came from
Depth (inconstruction of the construction of t	GY frest, fr		check all that apply Salt Crust () B11) t (B12)		clode	Secondary Second	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine)
Depth (inconstruction) Remarks: Solution YDROLOG Vetland Hyd Surface N High Wat Saturatio	GY Irology Indicators: ators (minimum of or Water (A1) ter Table (A2) n (A3)	ne required;	check all that apply Salt Crust (Biotic Crust Aquatic Inv) B11) t (B12) ertebrates	s (B13).	clode	Secon Secon Secon D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine)
Depth (income property) Primary Indicome Primary Indicome High Water Market Market Market Primary Mater Market Ma	GY Irology Indicators: atôrs (minimum of or Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriveria	ne required;	check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S) B11) t (B12) ertebrates	s (B13). dor (C1)		Secondary Second	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Depth (income property) Permany Indicome primary Indicome property Indicates	GY Irology Indicators: ators (minimum of or Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriveria t Deposits (B2) (Non	ne required; ne) nriverine)	check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R	B11) t (B12) ertebrates Sulfide Od	s (B13). dor (C1) res along L	iving Roo	Secor W D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2)
Depth (incomments) Primary Indicomments Surface Note High Water May Sediments Drift Dep	GY drology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria t Deposits (B2) (Non osits (B3) (Nonriveria	ne required; ne) nriverine)	check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o	B11) t (B12) ertebrates Sulfide Od hizospher f Reduces	s (B13). dor (C1) res along L d Iron (C4)	iving Roo	Secor — Secor — W — S — D — D — D — C	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) rediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) rry-Season Water Table (C2) rayfish Burrows (C8)
Depth (incomments) Primary Indicomments Surface Note that the sediments Drift Depto Surface	GY Irology Indicators: ators (minimum of or Water (A1) ter Table (A2) n (A3) arks (B1) (Nonriveria t Deposits (B2) (Nonriveria Soil Cracks (B6)	ne required; ne) riverine) ine)	check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o	B11) t (B12) ertebrates Sulfide Od hizospher f Reduced	s (B13). dor (C1) res along L d Iron (C4) on in Tilled	iving Roo	Secon W S DIS (C3) D D S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vediment Deposits (B2) (Riverine) Verift Deposits (B3) (Riverine) Verinage Patterns (B10) Very-Season Water Table (C2) Verayfish Burrows (C8) Verayfish Burrows (C8) Verayfish Statistics on Aerial Imagery (C8)
Depth (income property) Primary Indicome Surface Note that the print Depth Surface Su	GY Irology Indicators: ators (minimum of or Water (A1) ter Table (A2) in (A3) arks (B1) (Nonrivering to Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering to Deposits (B3)) in Visible on Aerial Ir	ne required; ne) riverine) ine)	check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck	B11) t (B12) ertebrates Sulfide Od hizospher f Reduces n Reductio	s (B13). dor (C1) res along L d Iron (C4) on in Tilled C7)	iving Roo	Secon W S D D C S C S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Profit Deposits (B2) (Riverine) Profit Deposits (B3) (Riverine) Profit Deposits (B10) Pr
Depth (income property) Primary Indicome primary Indicom	GY Irology Indicators: atôrs (minimum of or Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriveria t Deposits (B2) (Nonriveria t Deposits (B3) (Nonriveria soil Cracks (B6) in Visible on Aerial Ir ained Leaves (B9)	ne required; ne) riverine) ine)	check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o	B11) t (B12) ertebrates Sulfide Od hizospher f Reduces n Reductio	s (B13). dor (C1) res along L d Iron (C4) on in Tilled C7)	iving Roo	Secon W S D D C S C S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vediment Deposits (B2) (Riverine) Verift Deposits (B3) (Riverine) Verinage Patterns (B10) Very-Season Water Table (C2) Verayfish Burrows (C8) Verayfish Burrows (C8) Verayfish Statistics on Aerial Imagery (C8)
Depth (income property) Primary Indicome primary Indicome property Indicome property Indicome property Indicome property Indicome primary Indicated	GY Irology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonrivering to Deposits (B2) (Nonrivering to Deposits (B6)) on Visible on Aerial Irolained Leaves (B9) rations:	ne required; ne) riverine) ine) nagery (B7)	check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl	B11) t (B12) ertebrates Sulfide Od hizospher f Reducei Reductic Surface ((s (B13). dor (C1) res along L d Iron (C4) on in Tilled C7)	iving Roo	Secon W S D D C S C S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Profit Deposits (B2) (Riverine) Profit Deposits (B3) (Riverine) Profit Deposits (B10) Pr
Depth (incomments) Remarks: YDROLOG Vetland Hydromany Indic Surface Note that the second water May Sediment Drift Depth Surface Surface Surface Surface Surface Surface Water-Strield Observer Surface Water-Strield	Irology Indicators: ators (minimum of or Water (A1) ter Table (A2) in (A3) arks (B1) (Nonrivering to Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering to Deposits (B6)) in Visible on Aerial Irolained Leaves (B9) irations: ir Present?	ne required; ne) priverine) ine) nagery (B7)	check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl	B11) t (B12) ertebrates Sulfide Od hizospher f Reduced Reductio Surface ((ain in Rer	s (B13). dor (C1) res along L d Iron (C4) on in Tilled C7) marks)	iving Roo	Secon W S D D C S C S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Profit Deposits (B2) (Riverine) Profit Deposits (B3) (Riverine) Profit Deposits (B10) Pr
Depth (incomments) Remarks: YDROLOG Vetland Hydromany Indic Surface Note that the second water May Sediment Drift Depth Surface Surface Surface Surface Surface Surface Water-Strield Observer Surface Water-Strield	Irology Indicators: ators (minimum of or Water (A1) ter Table (A2) in (A3) arks (B1) (Nonrivering to Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering to Deposits (B6)) in Visible on Aerial Irolained Leaves (B9) irations: ir Present?	ne required; ne) priverine) ine) nagery (B7)	check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl	B11) t (B12) ertebrates Sulfide Od hizospher f Reduced Reductio Surface ((ain in Rer	s (B13). dor (C1) res along L d Iron (C4) on in Tilled C7) marks)	iving Roo	Secon W S D D C S C S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Profit Deposits (B2) (Riverine) Profit Deposits (B3) (Riverine) Profit Deposits (B10) Pr
Depth (incomments) Primary Indicomments Surface of the second of the s	GY Irology Indicators: atôrs (minimum of or Water (A1) ter Table (A2) n (A3) arks (B1) (Nonriveria t Deposits (B2) (Non osits (B3) (Nonriveria Soil Cracks (B6) on Visible on Aerial Ir ained Leaves (B9) rations: ar Present? Ye esent? Ye esent?	ne required; ne) iriverine) ine) nagery (B7)	check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl	B11) t (B12) ertebrates Sulfide Od hizospher f Reduced n Reductio Surface ((ain in Rer hes):	s (B13). dor (C1) res along L d Iron (C4) on in Tilled C7) marks)	iving Roo	Secon Secon Secon S S S S S S S S S S S S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Profit Deposits (B2) (Riverine) Profit Deposits (B3) (Riverine) Profit Deposits (B10) Pr
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WETLAND DETERMINATION DATA FORM - Arid West Region

[N-31]

O dinocilla	Sola	No
	City/County: <u>Jola</u>	No Sampling Date: July 7, 2024
Applicant/Owner: LS POWON		State: CA Sampling Point: SP-
Investigator(s): Sidvay Wolls, Christina I	0	
Landform (hillslope, terrace, etc.):	Local relief (concave,	convex, none): MML Slope (%): 5
Subregion (LRR):	Lat: <u>38.082410</u>	_ Long:121, 8 4 2 4 9 8 Datum: <u>NNO 198</u>
Soil Map Unit Name: TAMISA MUCKY CU	AY, MLMA 16	NWI classification:
Are climatic / hydrologic conditions on the site typical for		
Are Vegetation, Soil, or Hydrology		"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology		eeded, explain any answers in Remarks.)
		ocations, transects, important features, etc.
· · · · · · · · · · · · · · · · · · ·	,	,,,,,,,, .
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	is the Samplet	A CONTRACTOR OF THE CONTRACTOR
Wetland Hydrology Present? Yes	within a wetia	nd? Yes NoX
Remarks:	110	
VEGETATION – Use scientific names of pl	ants.	
	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:) 1.	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.		
3		Total Number of Dominant Species Across All Strata: (B)
4.		,
50-	= Total Cover	Percent of Dominant Species 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 = FAC species x 3 =
5	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: 5 M (4)	= Total Cover	UPL species x5 =
1. Frankenia salina	5 N FACW	Column Totals: (A) (B)
2. Centawea solstitialis	30 Y UPL	
3. <u>Distichlis spicata</u>	30 Y FAC	Prevalence Index = B/A =
4		Hydrophytic Vegetation Indicators:
5		Dominance Test is >50%
6		Prevalence Index is ≤3.01
7		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8	(05	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:	= Total Cover	
1		¹ Indicators of hydric soil and wetland hydrology must
2.		be present, unless disturbed or problematic.
-	= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum 35 % Co	over of Biotic Crust	Vegetation Present? Yes No
Remarks:	TO DIOIO OIUGE	165
Tomano.		

0	~	
-	()	

Sampling Point: 57

Profile Desc	ription: (Describe	to the depti	needed to docum	ent the i	ndicator o	r confirm	the absence of in	ndicators.)
Depth	Matrix			Features	-			
(inches)	Color (moist)	% -	Color (moist)	%	Type'	Loc ²	Texture	Remarks
0-5.5	7.5 YR3/2	99_	104R4/6		<u> </u>	101	LO SA	
5.516	104R 3/3	95.	10 YR 4/6	_5_		M_	_SA	
	30.							
	*	··· ·	×		N	 0	·	
	*	(O 	·		: :		-	
		N						
							-	
• 100 000 000								
	oncentration, D=Dep					d Sand Gr		n: PL=Pore Lining, M=Matrix. Problematic Hydric Soils ³ :
	ndicators: (Application	able to all L			au.)			
Histosol	pipedon (A2)		Sandy Redo Stripped Mat					(A9) (LRR C) (A10) (LRR B)
Black His	0		Loamy Muck		(F1)		Reduced V	
	n Sulfide (A4)		Loamy Gleye					t Material (TF2)
Stratified	l Layers (A5) (LRR 0	>)	Depleted Ma	trix (F3)			Other (Exp	lain in Remarks)
	ck (A9) (LRR D)		Redox Dark					
	i Below Dark Surface ark Surface (A12)	e (A11)	Depleted Da Redox Depre		• • • • • • • • • • • • • • • • • • • •		3Indicators of h	ydrophytic vegetation and
The state of the s	lucky Mineral (S1)		Vernal Pools		0)			ology must be present,
	leyed Matrix (S4)			(, 9)				bed or problematic.
	ayer (if present):	,						
Type:								V
Depth (inc	ches):						Hydric Soil Pres	sent? YesNo X
Remarks:							//	
								*
HYDROLO	GY							
	drology Indicators:							
	ators (minimum of o	ne reauired:	check all that apply)			Secondary	/ Indicators (2 or more required)
95 8 6	Water (A1)		Salt Crust (554V. 1490				Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crust					nent Deposits (B2) (Riverine)
Saturatio			Aquatic Inv		s (B13)			Deposits (B3) (Riverine)
Water M	arks (B1) (Nonriveri	ne)	Hydrogen S	Sulfide Od	lor (C1)		Draina	age Patterns (B10)
Sedimen	t Deposits (B2) (Nor	nriverine)	Oxidized RI	nizospher	es along L	iving Roo	ts (C3) Dry-S	eason Water Table (C2)
Drift Dep	osits (B3) (Nonriver	ine)	Presence o		3700	10		sh Burrows (C8)
	Soil Cracks (B6)	4127320	Recent Iron			Soils (C6		ation Visible on Aerial Imagery (C9)
	on Visible on Aerial II	magery (B7)						ow Aquitard (D3)
	tained Leaves (B9)		Other (Expl	ain in Rei	marks)	- j	FAC-I	Neutral Test (D5)
Field Observ		N	- V Danth (inc)	L				
Surface Wate		es N		30		-		
Water Table			Depth (incl			- 345-41-	d Desdes Is see Ba	
Saturation Pr (includes cap		es N	Depth (incl	nes):		_ vvetia	and Hydrology Pre	esent? Yes No/
Describe Rec	corded Data (stream	gauge, mon	itoring well, aerial pl	hotos, pre	evious insp	ections),	if available:	
	1.04	سعم						
Remarks:	- N N.	o to and	with grean	ment	ation	anth	of the soil	Lpit. No Shydrology
1 1 - 1	THANK TO WILL	MUMIL	diste area.	411	1100	www	a awwww.w	notely 100 feet away!
unducat	no in 45th	JUMANU	www.	ے محد	mounts (+ Ful	moth emergen	My- to
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