Wetland and Other Waters Delineation Report

Eureka High School Athletic Facilities Assessor's Parcel Numbers: 005-132-008, 005-131-008, 005-243-003, 005-243-004, 005-246-004, 011-121-001, and 011-131-005 Eureka, California

Prepared for:

Eureka City Schools

November 2020 020069.100

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Eureka High School Athletic Facilities Eureka, California

Prepared for: Eureka City Schools

Prepared by:



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QA/QC: JLS___ Reference: 020069.100

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Abbreviations and Acronyms

Units of Measure

| in. | inches |
|-------|-----------------|
| in/hr | inches per hour |

Additional Terms

| APN | Assessor's Parcel Number |
|-------|---|
| CDEC | California Data Exchange Center |
| CFR | Code of Federal Regulations |
| CWA | Clean Water Act |
| EPA | United States Environmental Protection Agency |
| FAC | facultative wetland plant species |
| FACU | facultative upland plant species |
| FACW | facultative wetland plant species |
| Ksat | most limiting layer to transmit water |
| NGTOC | National Geospatial Technical Operations Center |
| NL | not listed wetland plant status |
| NR | no reference |
| NRCS | Natural Resources Conservation Service |
| NWI | National Wetlands Inventory |
| OBL | obligate wetland plant species |
| OHWM | ordinary high water mark |
| Q | sedimentary rock |
| PF01C | Palustrine forested, broad-leaved deciduous, seasonally flooded |
| redox | redoximorphic |
| RWQCB | Regional Water Quality Control Board |
| SWRCB | State Water Resources Control Board |
| TP | test pit |
| UPL | upland plant species |
| USACE | United States Army Corps of Engineers |
| USC | United States Code |
| USDA | United States Department of Agriculture |
| USFWS | United States Fish & Wildlife Service |
| USGS | United States Geological Survey |
| WDRs | Waste Discharge Requirements |
| WETS | Climate Analysis for Wetlands Tables |
| WoS | Waters of the State |
| WoUS | Waters of the United States |
| | |



1.0 Introduction

SHN has prepared this wetland and other waters delineation report for Eureka City Schools. Fieldwork was performed by an SHN soil scientist and an SHN wetland ecologist, with 18 years of combined wetland and other waters delineation experience.

1.1 Purpose

The purpose of this report is to identify the presence or absence of potential wetlands and other waters of the State (WoS) or United States (WoUS) within the study area (Figure 1), as defined by the United States Army Corps of Engineers (USACE) three-parameter and ordinary high water mark (OHWM) methods. The delineation of these features will help determine setbacks and potential impacts to three-parameter wetland areas and other waters occurring within the project vicinity. The delineation will also aid in project design to minimize impacts to potential wetland resources.

1.2 Study Area

The study area (site) exists within seven parcels (Assessor's Parcel Numbers [APNs] 005-132-008, 005-131-008, 005-243-003, 005-243-004, 005-246-004, 011-121-001, and 011-131-005) which contain the Eureka High School Athletic facilities, stadium, agricultural program buildings, and woodshop and welding shop buildings. The site is situated approximately 1.10 miles south of the Eureka Slough at the CA 255 bridge and 1.6 miles east of the Humboldt Bay main channel at the Del Norte pier (Figure 1). The study area covers 21.2 acres, which is primarily mowed lawn for the football, softball, and baseball fields; however remnant conifer forest dominates the steep slopes surrounding the fields and associated facilities (Figures 2 and 3, and Appendix 1, Photos 1-3). The study area is located within the City of Eureka, California, within the grounds of Eureka High School. Del Norte Street bisects the study area, with the softball field, football field, track, and stadium situated south of Del Norte Street (Figure 2) and the baseball field and associated facilities, woodshop, welding shop, and the agricultural program facilities situated north of Del Norte street (Figure 3). The site is within the U.S. Geological Survey (USGS) Eureka 7.5-minute quadrangle, N.W. ¼, Section 26, Township 5 North, Range 1 West, Humboldt Baseline and Meridian with a center point at latitude 40.7900060° and longitude -124.155321° (USGS, 2020).

2.0 Project Description

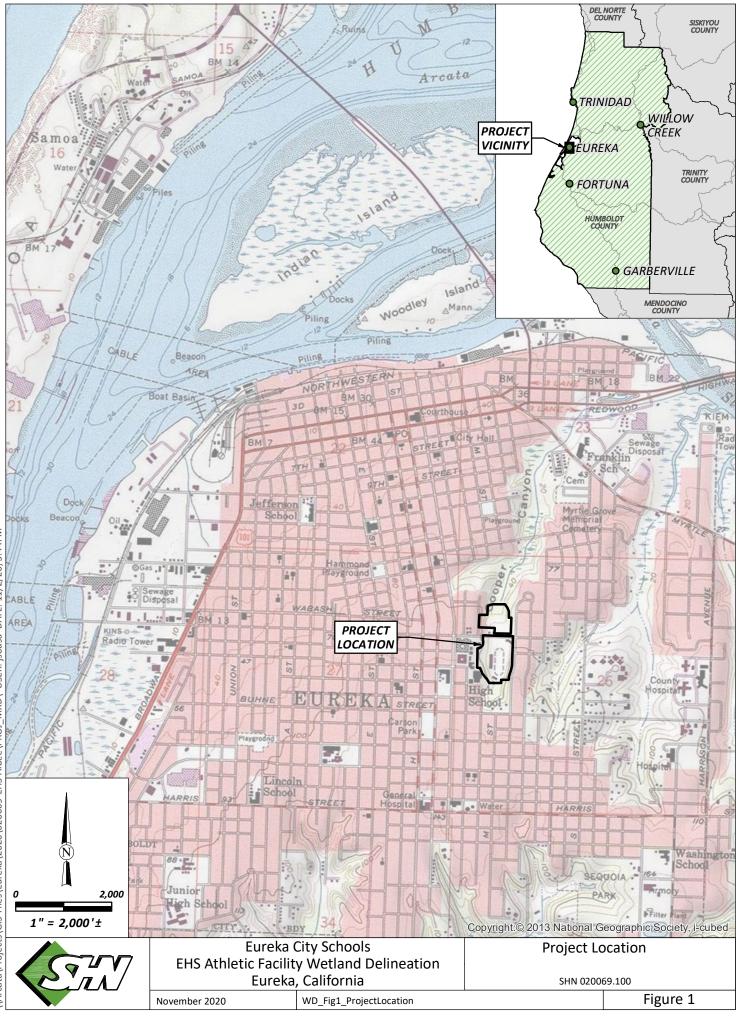
This wetland delineation was conducted by SHN for Eureka City Schools to determine wetland boundaries within the existing athletic facilities to aid in site design to minimize impacts to wetlands that may occur as a result of the construction of proposed athletic facility improvements.

3.0 Environmental Setting

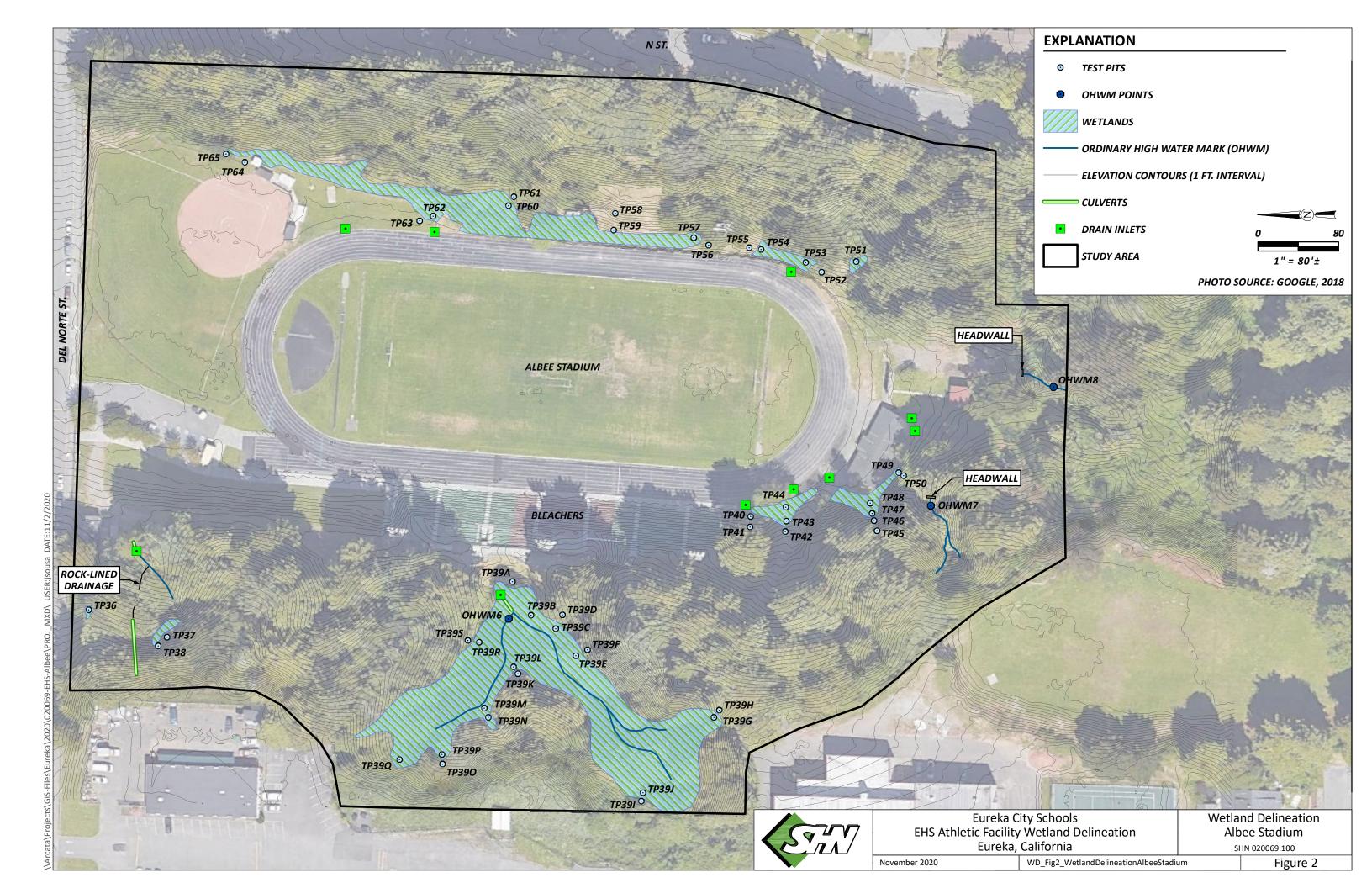
3.1 Site Uses

The site is currently developed with athletic facilities, agricultural program facilities, and a woodshop and welding shop for Eureka High School. Athletic facilities consist of a baseball field with associated fencing, dugouts, batting cage and access routes, a softball field with associated fencing, dugouts and access routes, and a football field encircled by an all-weather track with associated infrastructure, including a stadium with bleachers, all weather access paths, parking lot, team building, out buildings, and concession facilities. The study area is surrounded by residential development to the south, east,





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EXPLANATION

• TEST PITS

OHWM POINTS

WETLANDS

ORDINARY HIGH WATER MARK (OHWM)

ELEVATION CONTOURS (1 FT. INTERVAL)

CULVERTS

• DRAIN INLETS

STUDY AREA

80 1" = 80'±

PHOTO SOURCE: USGS NAIP, 2018

| a City Schools | Wetland Delineation | | |
|---------------------------------------|---------------------|--|--|
| ility Wetland Delineation | Cloney Field | | |
| ka, California | SHN 020069.100 | | |
| WD_Fig3_WetlandDelineationCloneyField | Figure 3 | | |
| | | | |

and west with extensive wetlands to the north. Remanent forest occurs on the slopes surrounding the athletic facilities, which are in turn surrounded by residential development (Figures 2 and 3; Appendix 1, Photos 1-3).

3.2 Site Hydrology

The United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS) Climate Analysis for Wetlands Table (WETS) method was used to review rainfall conditions for the previous three months prior to the test pit (TP) investigations (or the same month and two months prior if after the 15th; Table 1; USDA-NRCS, 2020a). The TP investigation occurred on August 19, 24, and 28, 2020 and September 14-17 and 21-24, 2020. The current 2020 rainfall data for June, July, August, and September (National Oceanic and Atmospheric Administration, 2020) were compared to the 30-year rainfall average at the Woodley Island Weather Forecast Office in Eureka, California (1971-2000 data) for the same months. If the current rainfall of each month is between 30% and 70% of the 1971-2000 precipitation average, it is "normal" rainfall; if above 70%, it is ranked "wetter-than-normal" rainfall; if below 30%, it is ranked "drier-than-normal" rainfall. The rainfall for the August field work is considered "drier-than-normal" (Table 1) and the late September field work is considered "normal" (Table 2).

| | Rainfall Data, Aug a, Humboldt Cour | | Analysis | |
|--|--|--|----------|----------|
| | WETS | | Dainfall | Conditio |

| Month WETS Condition | | <30% | > 70% | Rainfall (in.)ª | Condition Value | Weight | Product Value |
|--------------------------------------|--------|------|-------|--------------------|--------------------|--------|------------------|
| June 2020 | Dry | 0.29 | 0.79 | 0.20 | 1 | 1 | 1 |
| July 2020 | Dry | 0.05 | 0.17 | 0.03 | 1 | 2 | 2 |
| August 2020 | Normal | 0.07 | 0.35 | 0.08 | 2 | 3 | 6 |
| Total ^b DRIER THAN NORMAL | | | | | | | |

^a in.: inches

^b A sum of 6-9 prior to site investigation is considered a drier than normal rainfall.

10-14 prior to site investigation is considered a normal rainfall.

15-18 prior to site investigation is considered a wetter than normal rainfall.

Sources: CDEC, 2020; USDA-NRCS, 2020a

The WETS data indicates that the 2020 summer season, just prior to the August field work portion of the delineation, averaged "drier-than-normal" rainfall.



Table 2.WETS Rainfall Data, September 2020, Hydrological AnalysisEureka, Humboldt County, California

| Month | WETS Condition | <30% | > 70% | Rainfall (in.)ª | Condition Value | Weight | Product Value |
|--------------------|-------------------|------|-------|--------------------|--------------------|--------|------------------|
| July 2020 | Dry | 0.05 | 0.17 | 0.03 | 1 | 1 | 1 |
| August 2020 | Normal | 0.07 | 0.35 | 0.08 | 2 | 2 | 4 |
| September 2020 | Normal | 0.20 | 0.91 | 0.74 | 2 | 3 | 6 |
| Total ^b | | | | | NO | RMAL | 11 |

^a in: inches

^b A sum of 6-9 prior to site investigation is considered a drier than normal rainfall.

10-14 prior to site investigation is considered a normal rainfall.

15-18 prior to site investigation is considered a wetter than normal rainfall.

Sources: CDEC, 2020; USDA-NRCS, 2020a

The WETS data indicates that the 2020 summer season, just prior to the September field work portion of the delineation, averaged "normal" rainfall.

3.3 National Wetlands Inventory

The United States Fish & Wildlife Service (USFWS) National Wetlands Inventory (NWI) website maps the study area as upland. The adjacent freshwater forested/shrub wetland to the north is mapped as PFO1C – Palustrine Forested Broad-leaved Deciduous Seasonally Flooded (Appendix 2). This general categorization by the NWI is not intended for planning purposes because of the lack of ground-truthing. In the "Data Limitations, Exclusions and Precautions" disclaimer, it states that:

"The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high-altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis." (USFWS, 2020)

The intention of this study was to verify NWI mapping using site-specific soil, hydrology, and vegetation analysis.

4.0 Vegetation

The wetland indicator status of plant species for this investigation was based on the *Western Mountains, Valleys, and Coast 2018 Regional Wetland Plant List* (USACE, 2018). Synonyms were checked for species that did not appear on the USACE wetland plant list. Plant species were classified as:



- Obligate (OBL)–almost always occurs in wetlands
- Facultative-wetland (FACW)-usually occurs in wetlands, but may occur in non-wetlands
- Facultative (FAC)–occurs in wetlands and non-wetlands
- Facultative-upland (FACU)–usually occurs in non-wetlands, but may occur in wetlands
- Upland (UPL)–almost never occurs in wetlands
- Not listed (NL)–scored as an upland plant and calculated as such on wetland determination forms

During the August and September 2020 wetland investigation, observed botanical species were recorded (Appendix 3). The study area is on historically placed loamy fill and native soil materials, which sits on the slopes and toe slopes surrounding the Cooper Creek valley in which the sports complex was constructed. Soils throughout the study area have been disturbed and compacted in numerous locations (Appendix 1, Photo 10). Non-native vegetation cover dominates the TP locations on the lawn areas, while the TPs along the slopes and within the forest were dominated by a mix of native and nonnative species. Dominant species within the study area varied widely between forested and open habitat and developed and non-developed areas. Forested areas were dominated by coast redwood (Sequoia sempervirens), Douglas fir (Pseudotsuga menziesii), and Sitka spruce (Picea sitchensis) in the canopy, and English ivy (Hedera helix), evergreen huckleberry (Vaccinium ovatum), and fairy bells (Prosartes smithil), among others. Forested wetland areas were dominated by skunk cabbage (Lysichiton americanus), lady fern (Athyrium filix-femina var. cyclosorum), and slough sedge (Carex obnupta), among others. Open areas were dominated by various herbaceous species, including sweet vernal grass (Anthoxanthum odoratum), creeping bentgrass (Agrostis stolonifera), orchard grass (Dactylis glomerata), and hairy cat's-ear (Hypochaeris radicata), among others. Wetlands within open areas were dominated by small-fruited bullrush (*Scirpus microcarpus*), creeping buttercup (*Ranunculus repens*), giant horse tail (Equisetum telmateia), common horsetail (Equisetum arvense), and montebretia (Crocosmia x crocosmiflora), among others (Appendix 1, Photos 6, 12, 13, and 16-18). Developed/disturbed areas were dominated by ruderal species such as English plantain (Plantago lanceolata) and allseed (*Polycarpon tetraphyllum* var. *tetraphyllum*), among others.

It should be noted that several invasive species dominate large portions of the study area and in many cases obscured wetland conditions, specifically hydrophytic vegetation dominance. These species included English ivy, black acacia (*Acacia melanoxylon*), pampas grass (*Cortaderia jubata*), and English holly (*Ilex aquifolium*) (Appendix 1, photos 8, 10, 19, and 20).

A list of plants observed within the vicinity of the wetland test pits is compiled in Appendix 3.

5.0 Geologic and Soil Composition

The geology at the site is mapped as marine and non-marine sedimentary rocks (geologic map unit Qoa), which consists of alluvium, lake, playa, and terrace deposits–unconsolidated and semiconsolidated (California Department of Conservation, 2010). Proximity to the coast indicates these are likely uplifted marine deposits.

The underlying soils in the study area have the USDA-NRCS soil map unit designation 257—Lepoil-Candymountain complex, 2 to 15 percent slopes, as described below. Soils were characterized by loamy and sandy textures (Appendix 1, Photos 4 and 5). The site-specific soil description at each exploratory soil TP is included in the USACE Wetland Determination Data Forms found in Appendix 4, with photos in Appendix 1.



257—Lepoil-Candymountain complex, 2 to 15 percent slopes

Map Unit Composition

Lepoil and similar soils: 45 percent Candymountain and similar soils: 40 percent Minor components: 15 percent Estimates are based on observations, descriptions, and transects of the map unit.

Description of Lepoil

Setting

Landform: Marine terraces *Landform position (two-dimensional):* Summit *Landform position (three-dimensional):* Tread *Down-slope shape:* Linear *Across-slope shape:* Linear *Parent material:* Mixed marine deposits derived from sedimentary rock

Typical profile

Oi - 0 to 2 inches: slightly decomposed plant material *A - 2 to 16 inches:* loam *Bt - 16 to 69 inches:* clay loam *2CBt - 69 to 75 inches:* very fine sandy loam *2C - 75 to 83 inches:* fine sand

Properties and qualities

Slope: 2 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: High (about 11.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: Redwood-Sitka spruce/salal-California huckleberry/western swordfern, marine terraces, marine deposits, sandy loam an (F004BX121CA)
Hydric soil rating: No



Description of Candymountain

Setting

Landform: Marine terraces *Landform position (two-dimensional):* Summit *Landform position (three-dimensional):* Tread *Down-slope shape:* Linear *Across-slope shape:* Linear *Parent material:* Mixed marine deposits derived from sedimentary rock

Typical profile

Oi - 0 to 4 inches: slightly decomposed plant material *A - 4 to 15 inches:* fine sandy loam *Bw - 15 to 31 inches:* fine sandy loam *BC - 31 to 45 inches:* fine sandy loam *C - 45 to 60 inches:* very fine sand

Properties and qualities

Slope: 2 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Moderate (about 8.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 3e Hydrologic Soil Group: B Ecological site: Redwood-Sitka spruce/salal-California huckleberry/western swordfern, marine terraces, marine deposits, sandy loam an (F004BX121CA) Hydric soil rating: No (USDA-NRCS, 2020b)

6.0 Regulatory Setting

6.1 Federal Laws

6.1.1 Section 401 and 404 of the Clean Water Act

Under Section 404 of the Clean Water Act (CWA; 33 U.S. Code [USC] 1344; U.S. Code of Federal Regulations (CFR), 1986), as amended, the USACE and the Environmental Protection Agency (EPA) retain primary responsibility for regulating discharge of dredged or fill material into "navigable waters of the



United States." All discharges of dredged or fill material into jurisdictional WoUS that result in permanent or temporary losses of WoUS are regulated by the USACE. A permit from the USACE must be obtained before placing fill or grading in wetlands or other WoUS, unless the activity is exempt from CWA Section 404 regulation (for example, certain farming and forestry activities).

In summary, the definition of WoUS as defined by 33 CFR Section 328.3 includes:

- 1. waters used for commerce,
- 2. interstate wetlands,
- 3. all other waters (including lakes, rivers, streams, mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, and natural ponds),
- 4. impoundments of water,
- 5. tributaries to aforementioned waters,
- 6. territorial seas, and
- 7. wetlands adjacent to waters.

Under 33 CFR 328.3, WoUS do not include prior converted cropland or waste treatment systems.

In 2008, the EPA and USACE released a guidance memorandum implementing the Supreme Court's decision in the cases of the Rapanos v. U.S. and Carabell v. U.S. Because of these cases, the agencies will apply a significant nexus standard to the following categories of waterbodies to determine if it meets the definition of WoUS:

- Non-navigable tributaries that are not relatively permanent
- Wetland adjacent to non-navigable tributaries that are not relatively permanent
- Wetland adjacent to but that does not directly abut a relatively permanent tributary

Section 401 of the CWA (33 USC 1341) requires that applicants for a federal license or permit obtain a certification that the discharge will comply with the applicable effluent limitations and water quality standards (EPA, 1986). The certification is obtained from the state in which the discharge originates or would originate, or if appropriate, from the interstate water pollution control agency having jurisdiction over the affected waters at the point where the discharge originates or would originate. The responsibility for the protection of water quality in California rests with the State Water Resources Control Board (SWRCB) and its nine Regional Water Quality Control Boards (RWQCBs).

6.1.2 Rivers and Harbors Appropriation Act of 1899

The River and Harbors Appropriation Act of 1899 addresses activities that involve the construction of dams, bridges, dikes, and other structures across any navigable water. Placing obstructions to navigation outside established federal lines and excavating from or depositing material in such waters require permits from the USACE. Section 10 of the Rivers and Harbors Appropriation Act (33 USC 403) prohibits the unauthorized obstruction or alteration of any navigable WoUS.



6.2 State Laws

6.2.1 California Coastal Act

This site is outside of the California Coastal Act jurisdiction.

6.2.2 Porter-Cologne Water Quality Control Act

The State of California maintains independent regulatory authority over the placement of waste, including fill, into WoS under the Porter-Cologne Water Quality Control Act. WoS are defined by the Porter-Cologne Water Quality Control Act as "any surface water or groundwater, including saline waters, within the boundaries of the state." The SWRCB protects all waters in its regulatory scope but has special responsibility for isolated wetlands and headwaters. WoS are regulated by the RWQCBs under the State Water Quality Certification Program, which regulates discharges of dredged and fill material under Section 401 of the CWA and the Porter-Cologne Water Quality Control Act.

Projects that require a USACE permit, or fall under other federal jurisdiction, and have the potential to impact WoS are required to comply with the terms of the Water Quality Certification Program. If a proposed project does not require a federal license or permit, but does involve activities that may result in a discharge to WoS, then the local RWQCB has the option to regulate such activities under its state authority in the form of waste discharge requirements (WDRs) or certification of WDRs. Water Quality Order No. 2004-0004-DWQ specifies general WDRs for dredge or fill discharges to waters deemed by the USACE to be outside of federal jurisdiction under Section 404 of the CWA.

7.0 Methods

Wetland delineation fieldwork commenced on August 19, 2020 and proceeded through September 24, 2020. Wetland delineation methods described in *U.S. Army Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory, 1987) and *The Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)* (USACE, 2010) were used to identify potential wetlands and other waters. The routine method for wetland delineation described in the Environmental Laboratory 1987 manual was used to identify potential wetlands within the study area. The USACE method relies on a three-parameter approach, in which criteria for hydrophytic vegetation, hydric soils, and wetland hydrology must each be met (present at the point of field investigation) to conclude that an area qualifies as a wetland. The study area is within the City of Eureka outside of the Coastal Zone, which relies on a three-parameter wetland definition for determining the presence and extent of wetland. Mapping reflects USACE and non-coastal City of Eureka requirements by showing areas meeting three parameters.

Hydrophytic vegetation refers to plant species known to be adapted to wetland sites. To classify the hydrophytic plants onsite, the most recent *Western Mountains, Valleys, and Coast 2018 Regional Wetland Plant List* was used (USACE, 2018). Hydric soils are those formed under saturated conditions, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part of the soil profile (USDA-NRCS, 2018). Wetland hydrology is demonstrated through direct evidence (primary indicators) or indirect evidence (secondary indicators) of flooding, ponding, or saturation for a significant portion of the growing season (USACE, 2010).

Prior to conducting the field investigation, SHN staff reviewed the USGS topographic quadrangle map (Figure 1); Google Earth (Google Earth, 2020); USDA-NRCS Web Soil Survey website (USDA-NRCS, 2020b);



and NWI map (USFWS, 2020; Appendix 2). Visual inspection of the site prior to TP excavation was performed to identify appropriate TP locations and potential wetland locations and boundaries. During the TP subsurface investigation, sample points were characterized at each pit for the botanical, hydrological, and soil parameters. Wetland TP locations were selected to:

- achieve appropriate coverage and characterization of wetland and upland habitats,
- document potential changes in the vegetative community (such as a shift in the dominant species), and
- determine the approximate boundary line between wetlands and uplands by evaluating the extent of key wetland criteria (hydrology, hydric soils, and hydrophytic vegetation).

TP locations were mapped using a 300-foot tape measure triangulated from fixed locations onsite. TPs were typically located in paired plots around the site to appropriately document wetland and upland boundaries, conditions, and wetland extent.

7.1 Vegetation Methods

Prior to the wetland field investigation (August through September, 2020), a review of plant species reported to be within the study area was performed by querying the "Consortium of California Herbaria" (Consortium of California Herbaria, 2020) database records and "Calflora" (Calflora, 2020) observations. It was determined that the site investigation was performed during a drier than normal rainfall period In August and early September, and a normal rainfall period for the late September work, by reviewing rainfall data (see Section 3.2 Site Hydrology, Tables 1 and 2). Absolute percent cover of each plant species was visually estimated within the sample point and within each vegetation stratum. The tree stratum was inspected at a 30-foot radius centered on the sample point, and the herb and sapling/shrub strata, at a 5-foot radius. Botanical nomenclature follows *The Jepson Manual, Vascular Plants of California* (Baldwin et al., 2012) in addition to the online Jepson Interchange (University of California, Berkeley, 2020) for verification of species whose taxonomy may have changed since its publication.

The 50/20 method¹ was applied to each stratum to determine the dominant plant species within the vicinity of the test pit. Hydrophytic vegetation criteria requires dominance by hydrophytic vegetation. If hydric soils and wetland hydrology were present, the prevalence index² was applied. The occurrence and type of plant cover determine whether jurisdictional areas are identified as satisfying the vegetation criteria of a wetland. Sites displaying wetland hydrology and hydric soil but with little or no plant cover, or other sites not capable of supporting hydrophytic plant communities in normal circumstances, may be wetlands as defined by the state of California. Those sites with little or no plant cover, or other sites not capable of supporting hydrophytic plant communities in normal circumstances are identified as other waters, provided they have an OHWM.

² The prevalence index is a weighted-average wetland indicator status of all plant species in the sampling plot or other sampling unit, where each indicator status category is given a numeric code (OBL = 1, FACW = 2, FAC = 3, FACU = 4, and UPL = 5) and weighting is by abundance (absolute percent cover).



¹ The 50/20 rule: for each stratum of the plant community, dominant species are the most abundant species that (when ranked in descending order of abundance and cumulatively totaled) immediately exceed 50% of total dominance measure for the stratum, plus any additional species that individually comprise 20% or more of the total dominance measure for the stratum (USACE, 2010).

7.2 Soils Methods

Soils were examined for the presence or absence of hydric indicators. All TPs were manually excavated using hand tools to a minimum depth of 24 inches when possible. The thickness of each soil horizon was measured. The Munsell Soil Color Chart (Munsell, 2009) was referenced to determine the colors of the moist soil matrix and redoximorphic (redox) features (if present). Hydric soil indicators were field verified as defined by the NRCS "Field Indicators of Hydric Soils in the United States" (USDA-NRCS, 2018).

7.3 Hydrology Methods

Observations for wetland hydrology were made during TP excavations in August and September 2020. Wetland hydrology is determined by the presence of surface and/or ground water in addition to indirect hydrologic indicators (such as, water marks, drift deposits, sediment deposits, drainage patterns, geomorphic position, water-stained leaves, and similar features). Indicators of extended periods of saturation would include oxidized rhizospheres surrounding living roots or the presence of reduced iron or sulfur in the soil profile. A site must contain at least one primary indicator or two secondary indicators to qualify for the hydrology parameter (Section 3.2 Site Hydrology). All test pits were excavated to a minimum 24-inch depth to determine the presence or absence of a dry-season water table. In addition, aerial imagery was reviewed that may show past inundation, seasonal inundation patterns, or changes onsite that may have influenced hydrology.

7.4 Ordinary High Water Mark Methods

For purposes of Section 404 of the CWA, the lateral limits of federal jurisdiction over non-tidal water bodies in the absence of adjacent wetlands extend to the OHWM. When adjacent wetlands are present, CWA jurisdiction extends beyond the OHWM to the limits of the adjacent wetlands. For purposes of Sections 9 and 10 of the Rivers and Harbors Act of 1899, the lateral extent of federal jurisdiction, which is limited to the traditional navigable waters of the United States, extends to the OHWM, whether or not adjacent wetlands extend landward of the OHWM (USACE, 2014).

USACE regulations define the term OHWM for the purposes of the CWA lateral jurisdiction as follows:

"The term "ordinary high water mark" means that line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas at 33 CFR 328.3(e)."

The OHWM in non-perennial streams corresponds with the boundaries of the active channel, which are typically expressed by some combination of three primary indicators: a topographic break in slope, change in sediment characteristics, and change in vegetation characteristics (USACE, 2014). The following supporting features should be considered when making an OHWM determination, to the extent that they can be identified and are deemed reasonably reliable (USACE, 2014):



- Drift/wrack
- Erosion/scour
- Bank undercutting
- Root exposure
- Point bars
- Water staining

Litter removal

- Silt deposits
- Shelving
- Headcut/knickpoint
- Macroinvertebrates

8.0 Discussion and Results

Wetland field investigations were conducted between August 19 and September 22, 2020. Visual inspection of the study area prior to TP excavation revealed a range from well-drained relatively undisturbed upland to highly manipulated soils with fills soil and materials. Poorly drained areas with loamy sand textures saturated by groundwater were observed throughout the site. Plant cover included a mix of upland and hydrophytic species across the study area (Appendix 1, Photos 6, 7, 12-14, and 17-21). Slopes ranged from approximately 1 to 120 percent. Eighty-three TPs were excavated by hand (Figures 2 and 3), and data for each TP was recorded for soils, vegetation, and hydrology on USACE Wetland Determination Data Forms (Appendix 4). The investigation occurred during a drier-than-normal rainfall period within the growing season for this region (Section 3.2 Site Hydrology). Normal circumstances were considered present at most TPs, with abnormal circumstances observed at nine TPs. Hydrophytic vegetation presence was determined using the Dominance Test or the Prevalence Index where appropriate. See the discussion sections below for TPs, which describe the physical features and considerations of the site, followed by a data section that summarizes information from the completed USACE Wetland Determination Data Forms. Representative TPs have been selected to describe the different habitat types found across the study area. Maps of the study area are included as Figures 2 and 3, and photos of the study area are presented in Appendix 1.

8.1 Upland (Non-jurisdictional Area)

8.1.1 Normal Circumstances Present, 0-2 Parameters Representative Site: TP5 (43 test pits in total)

Similar TPs in Group: TP1, TP3, TP4, TP8, TP10, TP13, TP16, TP18, TP23, TP24, TP26, TP27, TP28, TP30, TP32, TP34, TP37, TP38, TP39A, TP39C, TP39F, TP39H, TP39I, TP39K, TP39M, TP39P, TP39S, TP40, TP41, TP42, TP45, TP46, TP49, TP52, TP55, TP56, TP58, TP59, TP61, TP63, TP64, TP65

Discussion

TP5 was excavated in the central portion of the eastern side of the baseball field, approximately 8.5 feet southeast of the scoreboard, representing upland within the lower elevations of the project area (Figure 3). No wetland parameters were observed; therefore, it is not considered a wetland site (Appendix 1, Photo 8).

While the remaining TPs ranged from zero to two parameters, these locations represent upland or transition between upland and wetland characteristics across the study area. These TPs included 1, 3, 4, 8, 10, 13, 16, 18, 23, 24, 26, 27, 28, 30, 32, 34, 37, 38, 39A, 39C, 39F, 39H, 39I, 39K, 39M, 39P, 39S, 40, 41, 42, 45, 46, 49, 52, 55, 56, 58, 59, 61, 63, 64, and 65. Of these TPs, eight contained hydric soil indicators, three of which had wetland hydrology but no hydrophytic vegetation dominance and one of which also



had hydrophytic vegetation but no wetland hydrology. An additional four upland TPs had wetland hydrology with no hydric soils, two of which also had hydrophytic vegetation. Hydrophytic vegetation was observed with no other wetland parameters at thirteen TPs (see Appendix 1, Photos 4 and 5 for upland soil examples)

Data

TP5 vegetation contained the tree, sapling/shrub, and herb stratums. The dominant tree species was coastal willow (*Salix hookeriana* [FACW]) with 50-percent cover, followed by 30-percent California blackberry (*Rubus ursinus* [FACU]) cover in the sapling/shrub stratum. Dominant herbaceous species included common horsetail [FAC] with 25-percent cover and pampas grass [FACU] with 25-percent cover. This plant combination met the dominance test for upland vegetation. No hydrology or hydric soil indicators were observed. See Appendix 4 data forms for additional vegetation.

8.2 Wetland (Jurisdictional Area)

8.2.1 Normal Circumstances Absent Representative Site: TP2 (9 test pits in total) Similar TPs in Group: TP7, TP15, TP22, TP39E, TP39G, TP39O, TP47, TP48

Discussion

TP2 was one of nine TPs where indicators for only two wetland parameters were observed, but the missing parameter was inferred because of abnormal conditions. These abnormal conditions included problematic vegetation or soils at nine TPs, including TPs 2, 7, 15, 22, 39E, 39G, 39O, 47, and 48. Of these TPs, 47 and 48 had problematic soils, while the remainder contained problematic vegetation. TP2 was excavated near the southwestern corner of the baseball field approximately 16 feet northeast of the agriculture facility's northeastern fence corner (Figure 3; Appendix 1, Photos 9, 10, and 11). Vegetation at this TP did not meet the Dominance Test or the Prevalence Index. However, invasive, non-native English ivy [FACU] covered the site, creating false dominance by upland vegetation. This TP was also surrounded by invasive, non-native black acacia [NL], providing additional false upland dominance in the tree stratum. With multiple hydric soil and wetland hydrology indicators observed at this TP, the invasive nature and ability of these two non-native plant species to grow in or near wetland areas indicates normal circumstances were absent, which qualified the plant cover as problematic hydrophytic vegetation.

This wetland was conspicuous during visual reconnaissance due to the dominance of common horsetail in the herbaceous stratum. Organic surface soil, gley colors, high water table, and saturation to the surface indicated this location was a wetland. This location had soil with high value and low chroma and prominent redox concentrations indicating saturation within the upper 12 inches of profile. Since problematic hydrophytic vegetation was determined, the TP is considered a wetland site that reflects natural wetland conditions degraded by invasive species.

Data

TP2 vegetation contained tree, sapling/shrub, herbaceous, and woody vine stratums. The dominant species within the tree stratum were black acacia [NL] with 47-percent cover and Pacific willow (*Salix lasiandra* var. *lasiandra* [FACW]) with 15-percent cover. Dominant species in the sapling/shrub stratum included California blackberry with 25-percent cover and Himalayan blackberry (*Rubus armeniacus* [FAC]) with 15-percent cover. The dominant species in the herb stratum was common horsetail with 25-percent cover. The dominant species in the woody vine stratum was English ivy with 60-percent cover. This vegetation did not meet the Dominance Test or the Prevalence Index.



The hydric soil indicators Histic Epipedon (A2) and Depleted Matrix (F3) were both observed at this location. Wetland hydrology indicators included High Water Table (A2), Saturation (A3), Dry-Season Water Table (C2), and Geomorphic Position (D2).

Two wetland parameters were directly observed while hydrophytic vegetation parameter was determined to be present due to abnormal conditions. This was the only TP that exhibited this combination of indicators. See Appendix 4 data forms for additional information.

8.2.2 Normal Circumstances Present

Representative Site: TP43 (31 test pits in total) Similar TPs in Group: TP6, TP9, TP11, TP12, TP14, TP17, TP19, TP20, TP21, TP25, TP29, TP31, TP33, TP35, TP36, TP39B, TP39D, TP39J, TP39L, TP39N, TP39Q, TP39R, TP44, TP50, TP51, TP53, TP54, TP57, TP60, TP62

Discussion

TP43 was one of 31 TPs where all three wetland indicators were recorded under normal conditions. Similar locations included TPs 6, 9, 11, 12, 14, 17, 19, 20, 21, 25, 29, 31, 33, 35, 36, 39B, 39D, 39J, 39L, 39N, 39Q, 39R, 44, 50, 51, 53, 54, 57, 60, 62. TP43 was excavated near the southwestern corner of the football field approximately 65 feet south of the southwestern corner of the bleachers (Figure 2; Appendix 1, Photos 14 and 16). This TP was the middle pit in a small transect of three TPs excavated to determine the wetland boundary on a small-fruited bulrush colony that contrasted sharply with surrounding vegetation. TP 42 was a nearby upland pit, while TP44 represented a wetter location with a water table at 10 inches and a higher density of small-fruited bulrush (Appendix 1, photo 15). Vegetation at TP43 met the Dominance Test. All three wetland parameters were recorded at this TP, so it is considered a wetland site that reflects natural wetland conditions. See Appendix 4 data forms for additional information.

Data

TP43 vegetation contained tree, sapling/shrub, and herbaceous stratums. The dominant species for the tree stratum was 30-percent red alder (*Alnus rubra* [FAC]). Dominant species in the sapling/shrub stratum included 2-percent California blackberry, which was not counted since it was under 5-percent. The dominant species in the herb stratum were 20-percent common horsetail and 50-percent small-fruited bulrush. This vegetation met the Dominance Test for hydrophytic vegetation.

The hydric soil indicator Redox Dark Surface (F6) was observed at this location. Wetland hydrology indicators included Saturation (A3) and secondary indicator FAC-Neutral Test (D5).

All three wetland parameters were observed.

8.23 Ordinary High Water Mark (OHWM)

Eight OHWMs were described around the study area (Figures 2 and 3). These OHWM delineation transects were all conducted within small channels draining the slopes encircling the project area. At these points, the texture differed between the sediments above and below the OHWMs. Other evidence included drift/wrack, erosion/scour, bank undercutting, shelving, and litter removal. These features are classified as "other waters." See Appendix 4 for data forms describing OHWM and stream conditions and Appendix 1, Photo 19 for OHWM 2, Photo 20 for OHWM 3, and Photo 21 for OHWM 7.



9.0 Conclusions

This region experienced drier-than-normal and normal seasonal rainfall volume in the three months preceding the August and September 2020 field work (Section 3.2 Site Hydrology). Based on topography, management, and soil conditions, the study area characteristics recorded and described in this report are representative of site upland and wetland conditions, despite the drier-than-normal rainfall period for the August and early September work. Freshwater forested/shrub wetlands were mapped intermittently throughout the study area, outside of the sports fields. These wetlands are classified as PFO1C – Palustrine Forested Broad-leaved Deciduous Seasonally Flooded (Figures 2 and 3). Figures 2 and 3 indicate the jurisdictional wetland boundaries, TP locations, and OHWM transects within the study area.

Eighty-three TPs were excavated across the site to clearly delineate the wetland boundaries. TPs were generally located to determine wetland boundaries using a step-out method with paired or small transects of three TPs. This method produced 43 upland test pits and 40 wetland TPs, with nine of the wetland TPs exhibiting abnormal conditions with either problematic vegetation or soils.

10.0Limitations

The results in this report represent conditions observed at the time of fieldwork. It is possible that some species were not observable at the time of the fieldwork and that conditions have changed since field work was completed. This report documents the investigation by using the best professional judgment of SHN's wetland ecologist and soil scientist. The conclusions should be verified by the USACE through receipt of a jurisdictional determination letter.

11.0References Cited

- Baldwin, B.G., D.H. Goldman, D.J. Keil, R. Patterson, T.J. Rosatti, and D.H. Wilken, editors. (2012). *The Jepson Manual: Vascular Plants of California, second edition*. Berkeley, CA: University of California Press, Berkeley.
- Calflora. (2020). Calflora database. Accessed March 2020 at: <u>http://calflora.org/</u>.
- California Data Exchange Center. (CDEC). (2020). Eureka, CA. Accessed October 2020 at: <u>http://cdec.water.ca.gov/dgi-progs/quesryMonthly?ERK</u>.
- California Department of Conservation. (2010). Geologic Map of California. California Geological Survey. Accessed April 2020 at: <u>https://maps.conservation.ca.gov/cgs/gmc/</u>.
- Consortium of California Herbaria. (2020). Consortium of California Herbaria database. Accessed March 2020 at: <u>http://ucjeps.berkeley.edu/consortium/</u>.
- Environmental Laboratory. (1987). Corps of Engineers Wetland Delineation Manual. Technical Report Y-87-1. Vicksburg, MS:USACE Waterways Experiment Station.
- Google Earth. (2020). NAIP 4/30/2019 imagery 40.797684° latitude and -124.144513° longitude. NR: Google Earth.
- Munsell Color (Firm). (2009). Munsell Soil Color Charts: with Genuine Munsell Color Chips. Grand Rapids, MI :Munsell Color.



- National Oceanic and Atmospheric Administration. (2020). *Climate Graphs*. National Weather Service Forecast Office, Eureka, California. Accessed at: <u>https://www.wrh.noaa.gov/climate/monthdisp.php?stn=KEKA&year=2020&mon=3&wfo=eka&p=temperature</u>.
- University of California, Berkeley. (2020). "Jepson eFlora." Accessed at: <u>http://ucjeps.berkeley.edu/eflora/.</u>
- U.S. Army Corps of Engineers. (2010). *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountain, Valleys, and Coast Region*, J.S. Wakeley, R.W. Lichvar, and C.V. Noble (eds) ERDC/EL TR-08-03. Vicksburg, MS: USACE Research and Development Center.
- ---. (2014). *A Guide to Ordinary High Water Mark (OHWM) Delineation for Non-Perennial Streams in the Western Mountains, Valleys, and Coast Region of the United States*, M. K. Mersel and R. W. Lichvar (eds) ERDC/CRREL TR-14-13. Vicksburg, MS: USACE Research and Development Center.
- ---. (2018). Western Mountains, Valleys, and Coast: 2018 Regional Wetland Plant List, Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin (eds), ERDC/CRREL. Vicksburg, MS: USACE Research and Development Center.
- U.S. Code of Federal Regulations. (1986). "33 CFR 328, 401, 403, 404. Title 33, Navigation and Navigable Waters; Chapter II; Army Corp of Engineers, Dept. of Defense, Part 328, Regulatory Program of the U.S. Army Corps of Engineers." NR: USACE.
- U.S. Department of Agriculture, Natural Resources Conservation Service. (2018). *Field Indicators of Hydric Soils in the United States, Version 8.2.* G.W. Hurt, L.M. Vasilas (eds.). NR: USDA, NRCS in cooperation with the National Technical Committee for Hydric Soils.
- ---. (2020a). WETS Database. Eureka WFO Woodley Island, CA. Accessed at: <u>http://agacis.rcc-acis.org/?fips=06023</u>.
- ---. (2020b). Web Soil Survey. Accessed at: <u>https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx.</u>
- U.S. Environmental Protection Agency. (EPA). (1986). (33 USC 1341) Clean Water Act Section 401: State Certification of Water Quality. Washington D.C.:EPA.
- U.S. Fish and Wildlife Service. (USFWS) (March 2020). National Wetlands Inventory. Accessed at: <u>http://www.fws.gov/wetlands/data/mapper.HTML/.</u>
- U.S. Geological Survey. (2020). USGS US Topo 7.5-minute map for Eureka, CA 2020: USGS National Geospatial Technical Operations Center (NGTOC). NR:USGS.



Site Photographs



Photo 1: Looking north along track and western edge of football field from TP40 location. Note water weeping from concrete retaining wall near TP40. Photo taken September 21, 2020.



Photo 2: Looking east across track from TP40. Note mixed coniferous forest on eastern slope of site with dense small-fruited bulrush stands above the green retaining wall. Photo taken September 21, 2020.





Photo 3: Looking southeast across the baseball diamond toward the agricultural facilities at the south end of the field. Photo taken September 15, 2020.



Photo 4: Typical dark sandy loam from upland TP56. Photo taken September 22, 2020.





Photo 5: Loamy sand typical of many subsurface horizons across the site. This gleyed horizon was too deep to meet hydric soil indicators at TP61. Photo taken September 22, 2020.



Photo 6: Dense stand of native hydrophytic vegetation with small-fruited bulrush dominance at TP17. Photo taken September 14, 2020.





Photo 7: Upland location (TP 1) displaying mostly non-native upland vegetation. Photo taken September 16, 2020.



Photo 8: Upland TP5 with pampas grass. Note flagpole base at top left. Photo taken September 16, 2020.





Photo 9: Muck soils over a depleted matrix at TP2. Note water table with saturation to the surface. Photo taken September 16, 2020.



Photo 10: Problematic vegetation (English ivy) at wetland TP2. Photo taken September 16, 2020.





Photo 11: Muck found in upper eight inches at TP2. Photo taken September 16, 2020.



Photo 12: Wetland conditions on the western edge of the baseball field adjacent to the batting cage and dugout looking SW. TP17 in center of photo. Note dominance of hydrophytic vegetation. Photo taken September 15, 2020.





Photo 13: Batting cage west of the baseball field with adjacent wetlands looking west. TP 16 in center of photo immediately west of concrete. Photo taken September 15, 2020.



Photo 14. Location of TP43 showing dark surface soil, small-fruited bulrush, and horsetail. Photo taken September 17, 2020.





Photo 15. TP44, which is like TP43 but further downhill with higher density of small-fruited bulrush. Note water table and saturation. Photo taken September 17, 2020.



Photo 16: Location of TPs 40-44 between the field house and bleachers. Wetlands extend from the retaining wall to midway upslope. Note red alder within wetlands. Photo taken September 17, 2020.





Photo 17: Wetlands adjacent to the field house south of the Albee stadium football field and track looking east. TPs 49 and 50 are in the center of the photo marked by the shovel and bucket. Photo taken September 17, 2020.



Photo 18: Wetlands adjacent to the field house south of the Albee stadium football field and track looking SW. TPs 45-48 are in the center of the photo heading up the hillslope. Photo taken September 17, 2020.





Photo 19: OHWM2 at the primary outfall point for the culvert that extends under the football and baseball fields looking south toward outfall which is obscured by vegetation. Note steep fill slopes that extend down from the baseball field. Also note Himalayan blackberry and concrete debris in stream channel. Photo taken August 24, 2020.



Photo 20: OHWM3 within a deeply incised undercut channel. The small stream drains the western side of the baseball field. Photo taken September 14, 2020.





Photo 21: OHWM7 showing surface flow and bare surface from scour and sedimentation. Note shadow along upper left showing bank undercutting. Photo taken September 21, 2020.



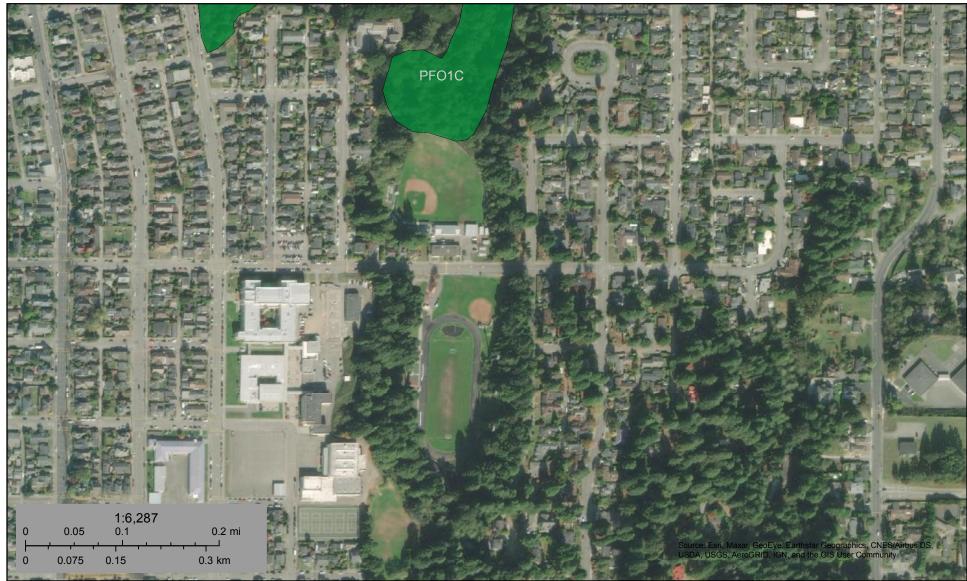
National Wetlands Inventory





U.S. Fish and Wildlife Service **National Wetlands Inventory**

Albee Stadium NWI Map



August 19, 2020

Wetlands



Estuarine and Marine Deepwater

Estuarine and Marine Wetland

- **Freshwater Pond**
- Freshwater Forested/Shrub Wetland

Freshwater Emergent Wetland

Lake Other Riverine This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Observed Botanical List

| Botanical Species Observed Eureka High School Athletic Facilities, Eureka, CA | | | | |
|---|-------------------------|------------------|----------|--|
| Scientific Name | Common Name | Family | Native? | |
| Trees | | | | |
| Abies grandis | grand fir | Pinaceae | Ya | |
| Acacia melanoxylon | blackwood acacia | Fabaceae | lp | |
| Acer macrophyllum | big-leaf maple | Aceraceae | Y | |
| Acer rubrum | red maple | Aceraceae | Nc | |
| Alnus rubra | red alder | Betulaceae | Y | |
| Betula papyrifera | paper birch | Betulaceae | N | |
| Eucalyptus globulus | bluegum | Myrtaceae | 1 | |
| Ficus carica | common fig | Moraceae | 1 | |
| Frangula purshiana ssp. | | | | |
| purshiana | cascara | Rhamnaceae | Y | |
| llex aquifolium | English holly | Aquifoliaceae | I | |
| Liquidambar styraciflua | liquidamber | Hamamelidaceae | N | |
| Picea sitchensis | Sitka spruce | Pinaceae | Y | |
| Pinus contorta ssp. contorta | beach pine | Pinaceae | Y | |
| Pinus radiata | Monterey pine | Pinaceae | N | |
| Pittosporum tenuifolium | short leaf box | Pittosporaceae | N | |
| Platanus x hispanica | London plane | Platanaceae | N | |
| Prunus cerasifera | wild plum | Rosaceae | I | |
| Prunus laurocerasus | English laurel | Rosaceae | N | |
| Prunus x | purple plum | Rosaceae | N | |
| Pseudotsuga menziesii | Douglas fir | Pinaceae | Y | |
| Pyrus calleryana | flowering pear | Rosaceae | 1 | |
| Pyrus communis | cultivated pear | Rosaceae | N | |
| Robinia pseudoacacia | black locust | Fabaceae | I | |
| Salix hookeriana | coast willow | Salicaceae | Y | |
| Salix lasiandra var. lasiandra | pacific willow | Salicaceae | Y | |
| Salix sitchensis | Sitka willow | Salicaceae | Y | |
| Salix x sepulcralis | weeping willow | Salicaceae | N | |
| Sequoia sempervirens | coast redwood | Cupressaceae | Y | |
| Sorbus aucuparia | mountain ash | Rosaceae | N | |
| Thuja plicata | western red cedar | Cupressaceae | Y | |
| Tsuga heterophylla | western hemlock | Pinaceae | Y | |
| Umbellularia californica | California bay laurel | Lauraceae | Y | |
| | | | | |
| Shrubs | | | | |
| Buddleja davidii | butterfly bush | Scrophulariaceae | | |
| Ceanothus thyrsiflorus var. | | | | |
| thyrsiflorus | blue blossom | Rhamnaceae | Y | |
| Cotoneaster franchetii | Franchett's cotoneaster | Rosaceae | <u> </u> | |
| Cotoneaster lacteus | milkflower cotoneaster | Rosaceae | | |
| Cotoneaster pannosus | wooly cotoneaster | Rosaceae | | |
| Cotoneaster simonsii | Simon's cotoneaster | Rosaceae | N | |
| Crataegus monogyna | English hawthorne | Rosaceae | | |
| Cytisus scoparius | Scotch broom | Fabaceae | | |
| Erica lusitanica | Spanish heather | Ericaceae | | |
| Fuchsia magellanica | hardy fuchsia | Onagraceae | N | |
| Gaultheria shallon | salal | Ericaceae | Y | |



| Botanical Species Observed | | | | |
|---|--|------------------|----------|--|
| | Eureka High School Athletic Eureka, CA | Facilities, | | |
| Scientific Name | Common Name | Family | Native? | |
| Juniperus sp. | Juniper cultivar | Cupressaceae | N | |
| Ligustrum ovalifolium | privet | Oleaceae | N | |
| Lonicera involucrata var. Iedebourii | coast twiphorry | Caprifoliacoao | Y | |
| | coast twinberry | Caprifoliaceae | Y | |
| Morella californica | California wax myrtle | Myricaceae | | |
| Rhododendron macrophyllum | California rhododendron Rhododendron cultivar | Ericaceae | Y | |
| Rhododendron sp. Rubus armeniacus | | Ericaceae | <u>N</u> | |
| | Himalayan berry | Rosaceae | | |
| Rubus parviflorus | thimbleberry | Rosaceae | Y Y | |
| Rubus spectabilis | salmonberry | Rosaceae | | |
| Rubus ursinus | California blackberry | Rosaceae | Y | |
| Sambucus racemosa var. racemosa | red elderberry | Adoxaceae | Y | |
| Vaccinium ovatum | evergreen huckleberry | Ericaceae | Y | |
| Vaccinium parviflorus | red huckleberry | Ericaceae | Y | |
| | | | | |
| Ferns and Allies | | | | |
| Athyrium filix-femina var. | | | | |
| cyclosorum | western lady fern | Woodsiaceae | Y | |
| Equisetum arvense | horsetail | Equisetaceae | Y | |
| Equisetum telmateia | giant horsetail | Equisetaceae | Y | |
| Polystichum munitum | sword fern | Dryopteridaceae | Y | |
| Pteridium aquilinum var. | | | | |
| pubescens | bracken fern | Dennstaedtiaceae | Y | |
| Struthiopteris spicant | deer fern | Blechnaceae | Y | |
| Sedges and Rushes | | | | |
| Carex harfordii | Harford sedge | Cyperaceae | Y | |
| Carex obnupta | slough sedge | Cyperaceae | Y | |
| Carex tumulicola | foothill sedge | Cyperaceae | Y | |
| Cyperus eragrostis | tall flat sedge | Cyperaceae | Y | |
| Juncus bolanderi | Bolander's rush | Juncaceae | Y | |
| Juncus breweri | Brewer's rush | Juncaceae | Y | |
| Juncus bufonius var. bufonius | toad rush | Juncaceae | Y | |
| Juncus effusus ssp. pacificus | common rush | Juncaceae | Y | |
| Juncus phaeocephalus var. | | | | |
| phaeocephalus | brownhead rush | Juncaceae | Y | |
| Juncus xiphioides | iris leaf rush | Juncaceae | Y | |
| Luzula comosa var. comosa | hairy woodrush | Juncaceae | Y | |
| Schoenoplectus pungens var. | | | | |
| longispicatus | common three square | Cyperaceae | Y | |
| Scirpus microcarpus | panicled bulrush | Cyperaceae | Y | |
| Grasses | | | | |
| Agrostis stolonifera | creeping bentgrass | Poaceae | 1 | |
| Anthoxanthum odoratum | sweet vernal grass | Poaceae | | |
| Arundo donax | giant reed | Poaceae | | |
| Avena barbata | wild oat | Poaceae | | |
| Briza maxima | large quaking grass | Poaceae | | |



| Botanical Species Observed | | | | |
|--|--------------------------|-----------------|---------|--|
| E | ureka High School Athlet | tic Facilities, | | |
| Coiontifio Nomo | Eureka, CA | Family | Nativa2 | |
| Scientific Name | Common Name | Family | Native? | |
| Briza minor Bromus catharticus var. | small quaking grass | Poaceae | N | |
| catharticus | rescue brome | Poaceae | N | |
| Bromus diandrus | rip-gut brome | Poaceae | | |
| Bromus hordeaceus | soft chess | Poaceae | | |
| Cortaderia jubata | pampas grass | Poaceae | i | |
| Cynodon dactylon | Bermuda grass | Poaceae | I | |
| Dactylis glomerata | orchard grass | Poaceae | | |
| Digitaria sanguinalis | crabgrass | Poaceae | N | |
| Festuca arundinacea | tall fescue | Poaceae | | |
| Festuca myuros | six-weeks grass | Poaceae | I | |
| Festuca perennis | Italian ryegrass | Poaceae | | |
| Festuca rubra | red fescue | Poaceae | Y | |
| Gastridium phleoides | nitgrass | Poaceae | N | |
| Holcus lanatus | velvet grass | Poaceae | | |
| Panicum acuminatum var. | voivet glass | | | |
| fasciculatum | pacific panic grass | Poaceae | Y | |
| Phalaris arundinacea | canary reedgrass | Poaceae | | |
| Poa annua | annual bluegrass | Poaceae | N | |
| Poa pratensis | Kentucky bluegrass | Poaceae | | |
| Polypogon monspeliensis | rabbits' foot | Poaceae | | |
| Trisetum cernuum | nodding trisetum | Poaceae | Y | |
| | | | | |
| Herbs | | | | |
| Allium triquetrum | white flowered onion | Alliaceae | N | |
| Bellis perennis | English daisy | Asteraceae | N | |
| Brassica nigra | black mustard | Brassicaceae | | |
| Calystegia silvatica ssp. disjuncta | large bindweed | Convolvulaceae | N | |
| Capsella bursa-pastoris | shepherd's purse | Brassicaceae | N | |
| Cardamine oligosperma | bittercress | Brassicaceae | Y | |
| Cerastium fontanum ssp. vulgare | common chickweed | Caryophyllaceae | N | |
| Cerastium glomeratum | large mouse ears | Caryophyllaceae | N | |
| Cichorium intybus | chicory | Asteraceae | N | |
| Cirsium vulgare | bull thistle | Asteraceae | | |
| Claytonia sibirica | spring beauty | Montiaceae | Y | |
| Conium maculatum | poison hemlock | Apiaceae | | |
| Convolvulus arvensis | field bindweed | Convolvulaceae | N | |
| Crocosmia x crocosmiiflora | montbretia | Iridaceae | | |
| Daucus carota | Queen Anne's lace | Apiaceae | N N | |
| Epilobium ciliatum var. ciliatum | willowherb | Onagraceae | Y | |
| Erodium cicutarium | coast heron's bill | Geraniaceae | | |
| Erodium moschatum | whitestem filaree | Geraniaceae | N | |
| Euphorbia peplus | petty spurge | Euphorbiaceae | N | |
| Fallopia japonica | Japanese knotweed | Polygonaceae | | |
| Galium aparine | cleaver plant | Rubiaceae | Y | |
| Galium parisiense | wall bedstraw | Rubiaceae | N N | |
| Geranium dissectum | cutleaf geranium | Geraniaceae | | |
| Geranium molle | crane's bill geranium | Geraniaceae | N N | |



| Botanical Species Observed | | | | | |
|--|---|-----------------|----------|--|--|
| E | Eureka High School Athletic Eureka, CA | Facilities, | | | |
| Scientific Name Common Name Family Native | | | | | |
| Geranium robertianum | Robert's geranium | Geraniaceae | N | | |
| Helminthotheca echioides | bristly ox-tongue | Asteraceae | 1 | | |
| Hirschfeldia incana | hoary mustard | Brassicaceae | | | |
| Hypochaeris radicata | hairy cat's-ear | Asteraceae | | | |
| Lapsana communis | nipplewort | Asteraceae | N | | |
| Lathyrus latifolius | sweet pea | Fabaceae | N | | |
| Lepidium didymum | swinecress | Brassicaceae | N | | |
| Linum bienne | flax | Linaceae | N | | |
| Lotus corniculatus | bird's-foot trefoil | Fabaceae | N | | |
| Lysichiton americanus | skunk cabbage | Araceae | Y | | |
| Lysimachia arvensis | scarlet pimpernel | Myrsinaceae | N N | | |
| Lythrum hyssopifolia | Lythrum loosestrife | Lythraceae | | | |
| Maianthemum dilatatum | false lily of the valley | Ruscaceae | Y | | |
| Malva parviflora | cheesewheel | Malvaceae | N N | | |
| | coast man-root | Cucurbitaceae | Y | | |
| Marah oregana Matricaria discoidea | | Asteraceae | Y | | |
| | pineapple weed black medic | Fabaceae | N N | | |
| Medicago lupulina | | | N | | |
| Medicago polymorpha | bur clover | Fabaceae | | | |
| Melilotus albus | white sweet clover | Fabaceae | N | | |
| Mentha pulegium | pennyroyal | Lamiaceae | | | |
| Oxalis articulata ssp. rubra | window box sorrel | Oxalidaceae | <u>N</u> | | |
| Oxalis oregana | redwood sorrel | Oxalidaceae | Y | | |
| Pectiantia ovalis | coastal miterwort | Saxifragaceae | Y | | |
| Plantago lanceolata | English plantain | Plantaginaceae | | | |
| Plantago major | common plantain | Plantaginaceae | N | | |
| Polycarpon tetraphyllum var. tetraphyllum | allseed | Caryophyllaceae | N | | |
| Polygonum aviculare ssp. | | | | | |
| depressum | prostrate knotweed | Plygonaceae | N | | |
| Potentilla anserina ssp. pacifica | pacific silverweed | Asteraceae | Y | | |
| Prosartes smithii | large flower fairybells | Liliaceae | Y | | |
| Prunella vulgaris var. lanceolata | selfheal | Lamiaceae | Y | | |
| Prunus vulgaris var. vulgaris | selfheal | Lamiaceae | N | | |
| Pseudognaphalium luteoalbum | Jersey cudweed | Asteraceae | N | | |
| Ranunculus repens | creeping buttercup | Ranunculaceae | | | |
| Raphanus sativus | wild radish | Brassicaceae | | | |
| Rumex acetosella | sheep sorrel | Polygonaceae | | | |
| Rumex crispus | curly dock | Polygonaceae | | | |
| Sagina procumbens | pearlwort | Caryophyllaceae | Y | | |
| Senecio vulgaris | common groundsel | Asteraceae | N | | |
| Sidalcea malviflora ssp. | | | | | |
| patulad | Siskiyou checkerbloom | Malvaceae | Y | | |
| , Sisyrinchium californicum | yellow-eyed grass | Iridaceae | Y | | |
| Soleirolia soleirolii | baby's tears | Urticaceae | N | | |
| Sonchus oleraceus | sow thistle | Asteraceae | N | | |
| Spergula arvensis | corn spurry | Caryophyllaceae | N | | |
| Spergularia rubra | pink sand spurry | Caryophyllaceae | N | | |
| Stachys ajugoides var. rigida | bugle hedgenettle | Lamiaceae | Y | | |
| Stachys chamissonis | hedge nettle | Lamiaceae | Y | | |



| Botanical Species Observed Eureka High School Athletic Facilities, Eureka, CA | | | | |
|---|---------------------|------------------|---------------|--|
| Scientific Name | Common Name | Family | Native? | |
| Stellaria media | chickweed | Caryophyllaceae | Ν | |
| Taraxacum officinale ssp. | | | | |
| officinale | common dandelion | Asteraceae | N | |
| Trifolium dubium | shamrock clover | Fabaceae | N | |
| Trifolium fragiferum | strawberry clover | Fabaceae | N | |
| Trifolium repens | white clover | Fabaceae | N | |
| Trifolium subterraneum | subterranean clover | Fabaceae | N | |
| Vancouveria planipetala | inside-out-flower | Berberidaceae | Y | |
| Veronica americana | American speedwell | Plantaginaceae | Y | |
| Veronica arvensis | speedwell | Plantaginaceae | N | |
| Vicia sativa ssp. sativa | spring vetch | spring vetch | N | |
| Vicia tetrasperma | four-seeded vetch | Fabaceae | N | |
| Viola sempervirens | redwood violet | Violaceae | Y | |
| Zantedeschia aethiopica | calla lily | Araceae | <u> </u> | |
| Vines | | | | |
| Hedera helix | English ivy | Araliaceae | I | |
| Lonicera hispidula | pink honeysuckle | Caprifoliaceae | Y | |
| Symphoricarpos albus var. laevigatus | creeping snowberry | Caprifoliaceae | Y | |
| Vitis vinifera | cultivated grape | Vitaceae | N | |
| Lichens and Bryophytes | | | | |
| Kindbergia praelonga | common feather moss | Brachytheciaceae | Y | |
| 188 Species | | | 38% Native | |

^a Y: Native species



^b I: Invasive species

^c N: Non-native species

^d Special-status species

Wetland Determination Data Forms



| WETLAND DETERMINATION DATA FORM – Western Mou | ntains, Valleys, and Coast Region |
|--|---|
| Project/Site: Albec Stadium City/County: Evrep | a Hunbold Sampling Date: 8/19/20 |
| Applicant/Owner: Eurchy City Schoold | State: Sampling Point: If 1 |
| Investigator(s): San Polly, Open Sale Section, Township, Rai | |
| Landform (hillslope, terrace, etc.): <u>Surich</u> , <u>fill</u> Subregion (LRR): <u>A-MLRA</u> , <u>4B</u> , Local relief (concave, or concave, or c | convex, none): None, Slope (%): 0-1 |
| | Long: -124.154803 Datum: W6584 |
| | NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _ | V |
| • • | Normal Circumstances" present? Yes No eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point lo | |
| | seations, transcets, important reatures, etc. |
| Hydrophytic Vegetation Present? Yes No Is the Sampled within a Wetland Hydric Soil Present? Yes No No Wetland Wetland Hydrology Present? Yes No No Wetland | ¥ I |
| Remarks: () at () () a a line () | corner. |
| 'j | |
| VEGETATION – Use scientific names of plants. | |
| Tree Stratum (Plot size: 30 ft) 1. Acacia Melanoxy on black aloua 1. Acacia Melanoxy on black aloua 25 ML | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: |
| 2 Salix husheriana 40 / FACW | Total Number of Dominant |
| 3 | Species Across All Strata: |
| 5 = Total Cover 32.5 | Percent of Dominant Species That Are OBL, FACW, or FAC: |
| Sapling/Shrub Stratum (Plot size: | Prevalence Index worksheet: |
| 1 | Total % Cover of: Multiply by: |
| 2 | OBL species x 1 = |
| 3 | FACW species x 2 = |
| 4 | FAC species x 3 = |
| 5 | FACU species x 4 = |
| Herb Stratum (Plot size: 54) = Total Cover | UPL species x 5 = |
| 1. Lotus corniculous 25 / TAC | Column Totals: (A) (B) |
| 2. Trifolium repers 18 FAC | Prevalence Index = B/A = |
| 3. Equisetum, arupse 10 FAC | Hydrophytic Vegetation Indicators: |
| 4. Holas lanatus 25 FAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Raninculus repas 20 V FAC | X 2 - Dominance Test is >50% |
| 6. Festuca perennis 1 FAC | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Anthexathing orderation 2 EACY | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Phalaris any dinacea 2 tACW | data in Remarks or on a separate sheet) |
| 9 | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | |
| 1 | Hydrophytic |
| 2 | Vegetation |
| Total Cover | Present? Yes <u>No</u> No |
| % Bare Ground in Herb Stratum | |
| | |
| | |
| | |

| SOIL | | 26 | Sampling Point: TP 1 |
|--|--|------------------------------------|--|
| Profile Description: (Describe to the | e depth needed to document the ind | icator or confirm | the absence of indicators.) |
| Depth Matrix | Redox Features | | |
| (inches) Color (moist) % | | Type ¹ Loc ² | Texture Remarks |
| 0-4 10YR2/2 10 | 0 | | L 60% Sawdust |
| U-9 INV9212 10 | | // | L Fill w/ bright red rostcover |
| T- D IN LIC IV | INDELT P | | The till of organica too |
| 8-15 2.549/1.5 | 10YR 7/4 2 | <u>C</u> M_ | |
| | - 10 YR 2/1 25 | CM | |
| | FUR 3/4 15 | C M | |
| IP ally TAND all T | | ~ hi | |
| 15-24+10YR2/1 6 | 57712,20 | N M | |
| | 2.5 YR 2.5/4 10 | C PL | |
| | INVR 416 ID | CM | |
| | | <u> </u> | |
| ¹ Type: C=Concentration, D=Depletion | | | |
| Hydric Soil Indicators: (Applicable | |) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (| except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A1 | | | 3 |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | | unless disturbed or problematic. |
| Restrictive Layer (if present): | | | |
| Туре: | | | |
| Depth (inches): | | | Hydric Soil Present? Yes No A |
| IYDROLOGY | | | |
| Wetland Hydrology Indicators: | | | |
| Primary Indicators (minimum of one re | avired: check all that apply) | | Secondary Indicators (2 or more required) |
| | 1.023 | (DO) (among the | |
| Surface Water (A1) | Water-Stained Leaves | | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and | 1 4B) | 4A, and 4B) |
| Saturation (A3) | Salt Crust (B11) | | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (| | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor | · (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres | along Living Root | s (C3) Geomorphic Position (D2) |
| Algal Mat or Crust (B4) | Presence of Reduced I | ron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction | in Tilled Soils (C6) | FAC-Neutral Test (D5) |
| Surface Soil Cracks (B6) | Stunted or Stressed Plant | ants (D1) (LRR A) | Raised Ant Mounds (D6) (LRR A) |
| Inundation Visible on Aerial Image | ry (B7) Other (Explain in Rema | arks) | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Sur | ace (B8) | 2 | |
| Field Observations: | | | |
| Surface Water Present? Yes | No 🔀 Depth (inches): | | |
| Water Table Present? Yes | No Depth (inches): | A | |
| | | | |
| Saturation Present? Yes (includes capillary fringe) | No X Depth (inches): | wetia | nd Hydrology Present? Yes No |
| | e, monitoring well, aerial photos, previ | ous inspections). if | f available: |
| | 5 · · · · · · · · · · · · · · · · · · · | , | |
| Pomarka | | | |
| Remarks: | | | |
| 7 | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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| WETLAND DETERMINATION DATA FORM - Western Mo | |
|--|---|
| Project/Site: Albee Stadium City/County: Eur- | ekg/Humbold Sampling Date: 08/19/20 |
| Applicant/Owner: EURLIA CITY Schools | State: (A Sampling Point: TP2 |
| Investigator(s): Josephaler, Saler, Som Polly Section, Township, F | Range: NWG, Sec. 25, THN, R1W, HBI |
| Landform (hillslope, terrace, etc.): Sylch Fill Local relief (concave | e, convex, none): Concave Slope (%): O-1 |
| Subregion (LRR): A, MLRA - 4B Lat: 40.790988 | Long: Long: Datum: W65 84 |
| Soil Map Unit Name: 257 Lepoil-Condy Mtn Complex 2-15% Jo | pes NWI classification: Me |
| | (If no, explain in Remarks.) |
| | e "Normal Circumstances" present? Yes No |
| | needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point | t locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Is the Sampl | ed Area |
| Wetland Hydrology Present? Yes X No within a Wet | and? Yes <u>No</u> No |
| Remarks: 33.5 At NEJ Barchall Fonce CUTVE, 16 H | - NE of Agtence corner |
| SEE VEG CEMARU S VEGETATION – Use scientific names of plants. | 195 |
| | Dominance Test worksheet: |
| Tree Stratum (Plot size: 3047) <u>% Cover</u> Species? Status | Number of Dominant Species 3 |
| 2. Acacia MP ONOXY OFFL acacia 47 NL | That Are OBL, FACW, or FAC: (A) |
| 3. Sylik lasiandra w. lasiandra 15 PACH | Total Number of Dominant 6 Species Across All Strata: 6 |
| Sapling/Shrub Stratum (Plot size: 5ff) 67 = Total Cover $\frac{33}{73}$ | Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B) |
| 1. Rubus armentacus 15 V tAC | Prevalence Index worksheet: |
| 2. Rubus Unsinus 25 / FACU | $ \frac{1}{4} \frac{1}{0 \text{ OBL species}} \frac{1}{2} x = 1 $ |
| 3 | FACW species 20 $x_2 = 40$ |
| 4 5 | FAC species 47 x 3 = 14 |
| C() = Total Cover $\frac{10}{8}$ | FACU species $85 \times 4 = 340$ |
| Herb Stratum (Plot size: 24) 1. Caverenia, Silvatica SD. disjuncta 5 NL | UPL species 52 x 5 = 260 Column Totals: 205 (A) 782 (B) |
| 1. Calvetenia Silvatica sop. disjuncta 5 NL 2. Athrnium Filix-femina var. cyclosonium 7 FAC | |
| 3 Equisition avenue 25 r FAC | Prevalence Index = B/A = 3.8 Hydrophytic Vegetation Indicators: |
| 4. Holcus anatus 5 FAC | _ 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Scirpus microcarpusOBL | 2 - Dominance Test is >50% |
| 6 | 3 - Prevalence Index is ≤3.0 ¹ |
| 8 | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 5TT) | |
| 1. Hedera Lelix 60 V HACU | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum 57% | Present? Yes <u>X</u> No |
| Remarks; | |
| * Invasive Ledera Lelix and Acacia Melar Zominance by Upland vegetation | oxylon creating fabe |
| US Army Corps of Engineers | Western Mountains, Valleys, and Coast - Version 2.0 |

| Profile Description: (Describe to the dep | th needed to docume | nt the indicator | or contirn | n the absence | of indicators.) |
|--|---|--|--|---|---|
| Depth Matrix | Redox F | | | | |
| (inches) Color (moist) % | Color (moist) | %Type ¹ | Loc ² | Texture | Remarks |
| 0-8 10YB2/2 100 | | | - | Ma | |
| 8-16 51 4/1 80 | 2.5 × 3/1 | 5 C | M | SUL | |
| 0 10 -1 1 + 00 | 5V 11/2 | IA D | M | -901 | |
| | EURIA - | E V | ol | | • |
| | 2417- | 24 | TH | 11 61 | |
| 16-24+2.543/ 65 | 104K 3/6 | 5 C | PL | VGrSCL | |
| | 5 AY 3/2 | 5 D | M | | |
| ~ ~ ~ | 5V 5/3 | 5 C | M | · · · · · · · · · · · · · · · · · · · | |
| | 514/1 | 20 0 | M | | |
| | | | 1 | 2 | |
| ¹ Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to all | | | ed Sand G | rains. Loc | ation: PL=Pore Lining, M=Matrix. rs for Problematic Hydric Soils ³ : |
| | | | | | n Muck (A10) |
| Histosol (A1) Histic Epipedon (A2) | Sandy Redox (S5) Stripped Matrix (S | | | | Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Min | | t MLRA 1) | | Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Ma | | | | er (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | X Depleted Matrix (F | | | | 19 |
| Thick Dark Surface (A12) | Redox Dark Surfa | - | | ³ Indicato | rs of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Su | rface (F7) | | wetla | nd hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depression | ns (F8) | | unles | s disturbed or problematic. |
| Restrictive Layer (if present): | | | | | |
| Туре: | | | | | X |
| Depth (inches): | | | | Hydric Soil | Present? Yes / No |
| | | | | ing and a data | |
| Remarks: | | | | | |
| HYDROLOGY | | | | | |
| HYDROLOGY Wetland Hydrology Indicators: | | | | | ndary Indicators (2 or more required) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require | d; check all that apply) | ed Leaves (B9) (| except | <u>Seco</u> | ndary Indicators (2 or more required) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) | d; check all that apply) Water-Staine | ed Leaves (B9) (2. 4A. and 4B) | except | <u>Seco</u> | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) | d; check all that apply) Water-Staine MLRA 1, | 2, 4A, and 4B) | except | <u>Secon</u> V | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) | d; check all that apply) Water-Staine MLRA 1, Salt Crust (B | 2, 4A, and 4B) 311) | except | <u>Secon</u> V | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | d; check all that apply) Water-Staine MLRA 1, Salt Crust (B Aquatic Inve | 2, 4A, and 4B) 311) rtebrates (B13) | except | <u>Secon</u> V | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | d: check all that apply) Water-Staine MLRA 1, Salt Crust (B Aquatic Inve Hydrogen St | 2, 4A, and 4B) 311) artebrates (B13) ulfide Odor (C1) | | | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | d; check all that apply) Water-Staine MLRA 1, Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rh | 2, 4A, and 4B) 311) Intebrates (B13) ulfide Odor (C1) izospheres along | Living Ro | <u>Secon</u> V V Z C S S | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) seomorphic Position (D2) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | d; check all that apply) Water-Staine MLRA 1, Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of | 2, 4A, and 4B) 311) Intebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C | Living Ro | <u>Secon</u> ∨ ∑ pots (C3) ∑S | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | d; check all that apply) Water-Staine MLRA 1, Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron | 2, 4A, and 4B) 311) Intebrates (B13) Ilfide Odor (C1) Izospheres along Reduced Iron (C Reduction in Tilli | Living Ro 4) ed Soils (C | <u>Secon</u> V ∑ C pots (C3) ∑ S S S S S | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | d; check all that apply) Water-Staine MLRA 1, Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron Stunted or S | 2, 4A, and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Tilli Stressed Plants (I | Living Ro 4) ed Soils (C | <u>Secon</u> V pots (C3) ∑ C S S S S S S S S S | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) seomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) asised Ant Mounds (D6) (LRR A) |
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| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface | d: check all that apply) — Water-Staine MLRA 1, — Salt Crust (B — Aquatic Inve — Hydrogen St — Oxidized Rhi — Presence of — Recent Iron — Stunted or S 37) — Other (Expla | 2, 4A, and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Tilli Stressed Plants (I | Living Ro 4) ed Soils (C | <u>Secon</u> V pots (C3) ∑ C S S S S S S S S S | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) seomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) asised Ant Mounds (D6) (LRR A) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface of Field Observations: | d; check all that apply) Water-Staine MLRA 1, Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron Stunted or S 87) Other (Expla | 2, 4A, and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Tilli Stressed Plants (I ain in Remarks) | Living Ro 4) ed Soils (C | <u>Secon</u> V pots (C3) ∑ C S S S S S S S S S | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) seomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) asised Ant Mounds (D6) (LRR A) |
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| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? | d; check all that apply) Water-Staine MLRA 1, Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron Stunted or S 37) Other (Explain (B8) No Depth (inch No Depth (inch | 2, 4A, and 4B) 311) Intebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduced Iron (C Reduction in Tilli Stressed Plants (I ain in Remarks) mes): | Living Ro 4) ed Soils (C D1) (L RR A | <u>Secon</u> V pots (C3) ∑ C S S S S S S S S S | ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) beomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) laised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |

Remarks:

SOIL

| WETLAND DETERMINATION DAT | TA FORM - | Western Mo | ountains, Valleys, and Coast Region |
|--|---|----------------------------------|---|
| Project/Site: Albee Stadium | City/ | County: Ewe | ka/Humboldt |
| Applicant/Owner: Eurelia City Schools | | | State: A Sampling Point: TP 3 |
| Investigator(s): Sam Polly, Jareph Saler | Sec | tion, Township, I | Range: NWY Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): GUON Fill | Loc | al relief (concav | e, convex, none): None Slope (%): 0-1 |
| Subregion (LRR): A, MLRA- 4B | Lat: 40.7 | | Long: -124.154 861 Datum: W&S 84 |
| Soil Map Unit Name: 257-Lepsil Candy Mtn. | Complex | 2-15% | Slopes NWI classification: NONE |
| Are climatic / hydrologic conditions on the site typical for this | time of year? | Yes X No | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology sig | gnificantly distu | ırbed? Ar | e "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology na | aturally problem | natic? (If | needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map s | howing sa | mpling poin | locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No | X | Is the Sampl | en Area |
| Hydric Soil Present? Yes <u>Yes</u> No Wetland Hydrology Present? Yes <u>Yes</u> No | ~ | within a Wet | |
| | The second se | | |
| TP3is Oft West of TP2, | 2647 | NEOF PO | weball force corner, 13ft Not |
| | | | Ag tence como. |
| VEGETATION – Use scientific names of plant | s. | | |
| Tree Stratum (Plot size: 30 ft) | | minant Indicato ecies? Status | |
| 1. Acacia Melanoxylan | 15% | < NL | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2. Salix hookeriana | 20 1 | <u>FACU</u> | Total Number of Dominant |
| 3. | | | Species Across All Strata: (B) |
| 4 | 95 =1 | 4).5 | Percent of Dominant Species 5()? |
| Sapling/Shrub Stratum (Plot size: 54 | <u></u> =1 | otal Cover | That Are OBL, FACW, or FAC: (A/B) |
| 1. Rubus instrus | 12 | 1 HCL | Prevalence Index worksheet: Total % Cover of: Multiply by: |
| 2. Rubus armeniacus | 35 | TAC | OBL species x 1 = |
| 3 | | | FACW species x 2 = |
| 4 | 1 | | - FAC species x 3 = |
| FÚ | 50 =1 | otal Cover 25 | FACU species x 4 = |
| Herb Stratum (Plot size: 247) | 5 | De | UPL species x 5 = |
| 2. Rannaulus repers | <u>u</u> – – | -KC | _ Column Totals: (A) (B) |
| 3. Holcus anotus | 3- | A C | Prevalence Index = B/A = |
| 4. Crocosnia X crocosniflora | 25 . | FAC | Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Attyrium filix-toning var. cyclonu | m2 | FAC | _ 2 - Dominance Test is >50% |
| 6. Galium aparine | 1 | -FACI | 1 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Calysteaid silvatica sol. disjunda | 2 | - ORI | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Scitpur Marcon V | -> | UDL | data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ |
| 10. | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | 5 | ¹ Indicators of hydric soil and wetland hydrology must |
| 5(+ | <u>45</u> =T | otal Cover 9 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 5ft) 1. Henora herix | 40 | FACL | L |
| | | | Vegetation |
| EE | 40 = T | otal Cover | Present? Yes No X |
| % Bare Ground in Herb Stratum | | | |
| | | | |

.

2

| Profile Description: (Description: (Descr | SOIL | | Sampling Point: TP 3 |
|---|---------------------------------------|--|---|
| Color (moist) So Color (moist) So Taskure Remarks Yea | Profile Description: (Describe to the | e depth needed to document the indicator or confirm | n the absence of indicators.) |
| 0-4 10 74 2/1 10 75 74 3/3 15 G PL 9-8 10 74 2/1 10 75 74 3/3 15 G PL 9-15 10 74 2/1 10 75 74 3/3 15 G PL 9-16 10 74 2/1 10 75 74 3/3 15 G PL 9-16 25 57 57/4 10 C M 5L 15 2.5 57 57/4 10 C M SL 16 2.5 75/4 10 C M SL 15 10 75 76 3/3 10 C 10 C M 15 10 75 76 3/3 10 C 10 C M 15 10 75 76 3/3 10 C 10 C 10 C 15 11 75 76 3/3 10 C 10 C 10 C 10 C 15 11 10 C | Depth Matrix | | |
| 4 - 8 2.5 Y 2/1 35 7.5 Y 3/3 5 C PL 5 8 - 5 10 Y R 4/4 35 2.5 Y 2/4 5 D A JL 9 - 5 10 Y R 4/2 50 X A A JL X 15 - 24+ 2.5 Y 2/4 2.5 Y 2/4 D C M X <td></td> <td>Color (moist) % Type¹ Loc²</td> <td></td> | | Color (moist) % Type ¹ Loc ² | |
| B-B IOYK4/A 7.5 2.5 IO SL 7.5 IO X 10 C M Image: Concentration P-Depletion R Image: Concentration PL=Pore Lining, M=Matrix Image: Concentration P-Depletion R Image: Concentration PL=Pore Lining, M=Matrix Image: Concentration P-Depletion R Image: Concentration PL=Pore Lining, M=Matrix Image: Concentration Public Solid R Image: Concentration PL=Pore Lining, M=Matrix Image: Concentration Public Solid R Image: Concentration PL=Pore Lining, M=Matrix Image: Concentration Public Solid R Image: Concentration PL=Pore Lining, M=Matrix Image: Concentration Public Solid R Image: Concentration Public Solid R Public Solid R Image: Concentration Public Solid R Image: Concentration Public Solid R Public Solid P | 0-4 10712212 10 | | LS Denseroot mgt |
| Start 10 | 4-8 2.573/1 8 | 5 7.578313 5 6 PL | 15 |
| Start 10 | 8 16 INVRAIN S | EAEVULA ED MA | 0 |
| OVR 2/1 5 C M Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. *Location: PL=Pore Lining, M=Matrix Histicsol (A1) Sandy Redox (S5) Indicators for Problematic Hydric Soli Histic Epipedion (A2) Stripped Matrix (S6) 2 cm Muck (A10) Histic Epipedion (A2) Stripped Matrix (S6) Red Parent Material (F12) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Depleted Batk Surface (A12) Depleted Matrix (F3) Other (Explain in Remarks) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) *Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type: Depleted Matrix (F3) Indicators: Depleted Matrix (S4) Redox Depressions (F8) Water-Stained Leaves (B9) (except Matrix (S4) Very Shallow date (F7) Sandy Rices (Minimum of one required: check at that apply) Secondary Indicators: Secondary Indicators: Very Shallow date (F1) Surface Water (A1) Water-Stained Leaves (B9) (except Matrix (S4) Depleted Matrix (S4) Depleted Matrix (S4) Surface Water Table (A2) MLRA 1, 2, 41, 41 Dintappessite (Minimum of one required: check at that appl | | A EVENT TO CH | 22 |
| OVR 2/1 5 C M Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. *Location: PL=Pore Lining, M=Matrix Histicsol (A1) Sandy Redox (S5) Indicators for Problematic Hydric Soli Histic Epipedion (A2) Stripped Matrix (S6) 2 cm Muck (A10) Histic Epipedion (A2) Stripped Matrix (S6) Red Parent Material (F12) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Depleted Batk Surface (A12) Depleted Matrix (F3) Other (Explain in Remarks) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) *Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type: Depleted Matrix (F3) Indicators: Depleted Matrix (S4) Redox Depressions (F8) Water-Stained Leaves (B9) (except Matrix (S4) Very Shallow date (F7) Sandy Rices (Minimum of one required: check at that apply) Secondary Indicators: Secondary Indicators: Very Shallow date (F1) Surface Water (A1) Water-Stained Leaves (B9) (except Matrix (S4) Depleted Matrix (S4) Depleted Matrix (S4) Surface Water Table (A2) MLRA 1, 2, 41, 41 Dintappessite (Minimum of one required: check at that appl | | 1.7177 IV C M | |
| OVR 2/1 5 C M Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. *Location: PL=Pore Lining, M=Matri Histosol (A1) Sandy Redux (S5) Inflicators for Problematic Hydric Soli Histosol (A2) Stripped Matrix (S5) Red Parent Material (F2) Hydra Soli Indicators: Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Sandy Mucky Mineral (S1) Depleted Matrix (C3) Other (Explain in Remarks) Sandy Mucky Mineral (S1) Depleted Matrix (C3) Very Shallow Dark Surface (F6) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Indicators: (2 or more required: check all that apple dark Surface (F7) Depleted Matrix (S4) Redox Depressions (F8) Very Shallow Cark Surface (F1) Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLRA 4), and 48) Sati Cruct (A2) MLRA 1, 2, 4A, and 48) Dariage Patients (B10) Drinage Patients (B10) Sati Cruct (A3) Sati Cruct (A1) Presence of Reduced Iron (C4) Shallow Aquilard (C3) Secondary Indicators: (B2) Hydringen Suifide Cdor (C1) Satiatation Visible on Aeria | | - 7.5YR4/4 10 C M | |
| OVR 2/1 5 C M Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. *Location: PL=Pore Lining, M=Matri Histicsol (A1) Sandy Redux (S5) Inflicators for Problematic Hydric Soli Histic Epipedion (A2) Stripped Matrix (S6) 2 cm Muck (A10) Histic Epipedion (A2) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) Very Shallow Dark Surface (TF12) Depleted Batix (F3) Depleted Matrix (F3) 'Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Depleted Matrix (F3) 'Indicators: Type: Depleted Matrix (F3) 'Indicators: Primary Indicators: Redox Depressions (F8) 'Indicators (12 metric) No Secondary Indicators: No Primary Indicators: Secondary Indicators: (2 or more required: check all that apply) Secondary Indicators: (2 or more required: check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLRA 4, and 48) Saturation Visible on Aerial Imager (V1) Matrix (2 4, and 48) Drainage Patiens (B10) Secondary Indica | 15-24+2.544/2 60 | 5 4/6 10 C. M | SCL |
| Type: C <td></td> <td>TOVE 2/1 5 C M</td> <td></td> | | TOVE 2/1 5 C M | |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soil | | - EV0 3 /3 10 C 01 | |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soil | | 10 C FE | |
| | | | |
| Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A12) Depleted Dark Surface (F7) wetland hydrology must be present; Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present; Type: | | | |
| Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Blaw Dark Surface (A12) Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Gleyed Matrix (S4) Redox Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: Hydric Soil Present? Yes No. Remarks: 1.5 Y/L 4/G 15 7. C M Hydric Soil Present? Yes No. Wetland Hydrology Indicators: Primarv indicators (Indicators (10 more required: check all that apply) Secondary Indicators (2 or more required: Secondary Indicators (2 or more required: Check all that apply) Secondary Indicators (2 or more required: Check all that apply) Sufface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLR 4, 2, 4A, and 4B) A, and 4B) Saturation (A3) Saturation (A5) Saturation (A5) Saturation (A6) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sufface Odr (C1) Dry-Season Water Table (C2) Saturation (C4) Shatlow Aquitard (02) Algal Mat or Crust (B1) Oxidized Rhizospheres along L | | | |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A12) Redx Dark Surface (F6) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Redx Darks (F6) ` | | | |
| □ Depieted Below Dark Surface (A11) □ Depieted Matrix (F3) *Indicators of hydrophytic vegetation and stack (F7) □ Sandy Mucky Mineral (S1) □ Depieted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: | | | |
| | | | |
| Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: | | | ³ Indicators of hydrophytic vegetation and |
| | | Contraction of the second | |
| Restrictive Layer (if present): Type: | | | |
| Type: | | | |
| Deptn (inches): Hydric Soil Present? Yes No. Remarks: 1.5 YL 4/6 157. CM Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required; check all that apply) | | / | |
| Remarks: 1,5 YR 4/6 15 % CM YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required; check all that apply) | | | Hydric Soil Present? Yes X No |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required; check all that apply) | | | |
| Wetland Hydrology Indicators: Secondary Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLR 4A, and 4B) High Water Table (A2) MLRA 1, 2, 4A, and 4B) 4A, and 4B) Saturation (A3) Sait Crust (B11) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Image Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Teild Observations: No Depth (inches): NIA Water Table Present? Yes No Depth (inches): NIA Water Table Present? Yes No Depth (inches): NIA Water Table Present? Y | | | |
| Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required; Surface Water (A1) | | 0 | |
| Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLR High Water Table (A2) MILRA 1, 2, 4A, and 4B) 4A, and 4B) Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Image Magal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): N/A Water Table Present? Yes No Depth (inches): N/A Depth (inches): N/A Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): N/A Depth (inches): N/A Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): N/A Depth (inches): N/A Wetland Hydrology Present? Yes <t< th=""><th></th><th>a word, sharp all that analy</th><th>Sacandany Indicators (2 or more required)</th></t<> | | a word, sharp all that analy | Sacandany Indicators (2 or more required) |
| High Water Table (A2) MLRA 1, 2, 4A, and 4B) 4A, and 4B) Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Image Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): N/A Field Observations: No Depth (inches): N/A Saturation Present? Yes No Depth (inches): N/A Water Table Present? Yes No Depth (inches): N/A Bepth (inches): M/A Wetland Hydrology Present? Yes No Cincludes capillary fringe) Depth (inches): | | | |
| | · · | | |
| Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Image Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): N/A Water Table Present? Yes No Saturation Present? Yes No Depth (inches): N/A Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): N/A Wetland Hydrology Present? Yes No Deptrie Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Saturations) Saturations) Saturations) Saturations) Saturation Present? Yes No | | | |
| Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Image Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): N/A Mathematical Magery (B7) Saturation Present? Yes No Depth (inches): N/A Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): N/A Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Saturations) Saturations) Saturation Present? Yes No | | | |
| Drift Deposits (B3) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): N/A Depth (inches): N/A Wetland Hydrology Present? Yes No Depth (inches): N/A Wetland Hydrology Present? Yes No | | | |
| Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): No Depth (inches): NIA NIA Depth (inches): NIA NIA | | | |
| Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Pepth (inches): N/A Field Observations: Surface Water Present? Yes No Surface Water Present? Yes No Depth (inches): N/A Water Table Present? Yes No Depth (inches): N/A Saturation Present? Yes No Depth (inches): N/A Uncludes capillary fringe) Depth (inches): N/A Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Stantable: No | | | · · · · · · · · · · · · · · · · · · · |
| Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): N/A N/A Depth (inches): N/A N/A | • | | |
| Inundation Visible on Aerial Imagery (B7)Other (Explain in Remarks)Frost-Heave Hummocks (D7)Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? YesNoDepth (inches):NADepth (inches):NA | | | |
| Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches):/A Water Table Present? Yes No Depth (inches): NA Saturation Present? Yes No Depth (inches): MA Saturation Present? Yes No Depth (inches): MA (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | | |
| Field Observations: Surface Water Present? Yes No Depth (inches): N/A Water Table Present? Yes No Depth (inches): N/A Saturation Present? Yes No Depth (inches): N/A Gincludes capillary fringe) Depth (inches): N/A Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: No | | | Frost-Heave Hummocks (D7) |
| Surface Water Present? Yes No Depth (inches): N/A Water Table Present? Yes No Depth (inches): N/A Saturation Present? Yes No Depth (inches): N/A Saturation Present? Yes No Depth (inches): N/A Wetland Hydrology Present? Yes No Cincludes capillary fringe) Depth (inches): N/A Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Stream gauge | | | |
| Water Table Present? Yes No Depth (inches): N/A Saturation Present? Yes No Depth (inches): N/A Wetland Hydrology Present? Yes No (includes capillary fringe) Depth (inches): N/A Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Stream gauge No | | | |
| Saturation Present? Yes No Depth (inches): N/A Wetland Hydrology Present? Yes No Concerning Well, aerial photos, previous inspections), if available: | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | | V |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | No Depth (inches):N (fr Wet | tland Hydrology Present? Yes No 🔼 |
| Remarks: | | ge, monitoring well, aerial photos, previous inspections) |), if available: |
| Remarks: | | | |
| | Remarks: | | |
| | | | |
| | | | |

| WETLAND DETERMINATION DA | TA FORM - | Western Mou | ntains, Valleys, and Coast Region |
|---|--------------------------|--------------------------------|--|
| Project/Site: Albee Stadium | City/C | County: Evelo | (Humbold Sampling Date: 8/19/20 |
| Applicant/Owner: Fuella City Schools | | | State: A Sampling Point: TP 4 |
| Investigator(s): Som Polly, Josep Saler | Secti | on, Township, Rar | nge: NWG Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): | | | convex, none): NOCE Slope (%): 1 |
| Subregion (LRR): A, MLRA - 46 | Lat: 40.7 | | Long: -124.154874° Datum: WGS 84 |
| | | | -5% NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this | | | |
| Are Vegetation, Soil, or Hydrology si | - ignificantly distur | rbed? Are " | Normal Circumstances" present? Yes 📈 No |
| Are Vegetation, Soil, or Hydrology n. | aturally problem | atic? (If ne | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | showing san | npling point lo | ocations, transects, important features, etc. |
| | X | | 0 |
| Hydric Soil Present? Yes No Wetland Hydrology Present? Yes X | | Is the Sampled within a Wetlan | |
| Remarks: Inside Ag Compound ne | ear shed | in scina | ssand , |
| 8ft from force corner (| | | force amer (NW) |
| VEGETATION – Use scientific names of plant | | | |
| 1) 05 | | minant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size: 30 H) | 30 Spe | Status | Number of Dominant Species 2 (A) |
| 2 | | | Total Number of Dominant |
| 4 | | | Species Across All Strata: (B) |
| EH. | 30 = To | otal Cover | Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B) |
| Sapling/Shrub Stratum (Plot size: 5ft) 1. Rubus asmeniacus | 5 4 | 1 ac | Prevalence Index worksheet: |
| 2. Rubur Wrinw | 1 1 | - DOLL | Total % Cover of: Multiply by: |
| 3 | | - 71001 | OBL species x 1 = |
| 4. | (// | | FACW species x 2 = |
| 5. | | | FAC species x 3 = |
| FIF | 🧊 = To | otal Cover | FACU species x 4 = |
| Herb Stratum (Plot size: 51) | 10 | | UPL species x 5 = |
| 1. Scirpus Nicrocarpus 2. Edwartum, arvansc | 40 - | TAC | Column Totals: (A) (B) |
| 3. Holcust lanotus | | TAC | Prevalence Index = B/A = |
| 4. Calystegia silvatica sp. disjuncta | 1 | - THU | Hydrophytic Vegetation Indicators: |
| 5. Lotus corniculation | 8 | FAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 6. Anthoxathun adaratum | 5 | ACU | 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Rominculus, repers | 15 | FAC | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Agrostis stolonitera | 10 | FAC, | data in Remarks or on a separate sheet) |
| 9. Triffilim repers | 6 | FAC | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | 150 | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | Tot | tal Cover 54.5 | be present, unless distarbed of problematic. |
| 1, | | | Hydrophytic |
| 2 | | | Vegetation |
| % Bare Ground in Herb Stratum | = Tot | tal Cover | Present? Yes No |
| Remarks: | <u> </u> | | |
| | | | |
| | | | |
| | | | |

6

Sampling Point: ______

| | A | 4ha aha 71 | -1 |
|---|---|--|--|
| | opth needed to document the indicator or confirm | the absence of indic | ators.) |
| Depth Matrix | <u>Redox Features</u> Color (moist) % <u>Type¹ Loc²</u> | Texture | Remarks |
| (inches) Color (moist) % | <u>Color (moist)</u> <u>%</u> <u>Type¹</u> <u>Loc²</u> | Texture | ist not sqt |
| 0-10 107R L/1 100 | me la in a | 694 16 | 127 1101 291 |
| 10-12 543/1 85 | 5453, 10 C M | 15 | |
| | 2588416 5 C. PL | | |
| 12-24+ 104 4/1 85 | 5V 5/3 10 C M | 15 | |
| 12 21 10 11 85 | | <u> </u> | |
| | 54K9/6 5 C PL | | |
| | A Mark M | | |
| | | | |
| · | · · · · · · · · · · · · · · · · · · · | | |
| | | | |
| | M=Reduced Matrix, CS=Covered or Coated Sand Gr | | L=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to a | II LRRs, unless otherwise noted.) | Indicators for P | roblematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (| - |
| Histic Epipedon (A2) | Stripped Matrix (S6) | | Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | | v Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Expla | in in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | 31_ 11 . 1. | den de die voe station of t |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | | drophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | | blogy must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | | oed or problematic. |
| Restrictive Layer (if present): | | | \sim |
| Туре: | | | X |
| Depth (inches): | | Hydric Soil Presen | t? Yes No |
| Remarks: Micsed All by | 0.5 value = transition o | 1 000- | |
| The fire of | 0.5 Value = 189 3110 0 | Polit | |
| / | | | |
| | | | |
| | | | |
| | | | |
| HYDROLOGY | | | |
| | | | |
| Wetland Hydrology Indicators: | red: check all that apply) | Secondary In | dicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requi | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-St | ained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-St 4A, a | ained Leaves (B9) (MLRA 1, 2, ad 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-St 4A, ar Drainage | ained Leaves (B9) (MLRA 1, 2, I d 4B) Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-St 4A, ar Drainage Dry-Seas | ained Leaves (B9) (MLRA 1, 2, a d 4B) Patterns (B10) on Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-St 4A, an Drainage Dry-Seas Saturatio | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) n Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rock | Water-St 4A, an Drainage Dry-Seas Saturatio ts (C3) Geomorp | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) |
| Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) | Water-St 4A, an Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-St 4A, ar Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow /) FAC-Neu | ained Leaves (B9) (MLRA 1, 2, nd 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second sec | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-St 4A, ar Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A | ained Leaves (B9) (MLRA 1, 2, id 4B) Patterns (B10) on Water Table (C2) in Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) int Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second sec | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Water-St 4A, ar Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A | ained Leaves (B9) (MLRA 1, 2, nd 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second sec | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Water-St 4A, ar Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A | ained Leaves (B9) (MLRA 1, 2, id 4B) Patterns (B10) on Water Table (C2) in Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) int Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second sec | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Water-St 4A, ar Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A | ained Leaves (B9) (MLRA 1, 2, id 4B) Patterns (B10) on Water Table (C2) in Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) int Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second sec | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4 Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) e (B8) | Water-St 4A, ar Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A | ained Leaves (B9) (MLRA 1, 2, id 4B) Patterns (B10) on Water Table (C2) in Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) int Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) Depth (inches): N/A | Water-St 4A, ar Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A | ained Leaves (B9) (MLRA 1, 2, id 4B) Patterns (B10) on Water Table (C2) in Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) int Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second sec | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) No Depth (inches): NA Depth (inches): NA | Water-St 4A, ar Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow /) FAC-NeL Raised A Frost-He | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) Int Mounds (D6) (LRR A) ave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Gaturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B7) Depth (inches): No Depth (inch | Water-St 4A, an Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A Frost-He | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) Int Mounds (D6) (LRR A) ave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Gaturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) No Depth (inches): NA Depth (inches): NA | Water-St 4A, an Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A Frost-He | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) Int Mounds (D6) (LRR A) ave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Gaturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B7) Depth (inches): No Depth (inch | Water-St 4A, an Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A Frost-He | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) Int Mounds (D6) (LRR A) ave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second of | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B7) Depth (inches): No Depth (inch | Water-St 4A, an Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A Frost-He | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) Int Mounds (D6) (LRR A) ave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Gaturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B7) Depth (inches): No Depth (inch | Water-St 4A, an Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A Frost-He | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) Int Mounds (D6) (LRR A) ave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second of | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Depth (inches): No Depth (inches): Depth (inches): No Dep | Water-St 4A, an Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A Frost-He | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) Int Mounds (D6) (LRR A) ave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second of | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Depth (inches): No Depth (inches): Depth (inches): No Dep | Water-St 4A, an Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A Frost-He | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) Int Mounds (D6) (LRR A) ave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second of | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Depth (inches): No Depth (inches): Depth (inches): No Dep | Water-St 4A, an Drainage Dry-Seas Saturatio ts (C3) Geomorp Shallow / FAC-NeL Raised A Frost-He | ained Leaves (B9) (MLRA 1, 2, ad 4B) Patterns (B10) on Water Table (C2) In Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) Int Mounds (D6) (LRR A) ave Hummocks (D7) |

| WETLAND DETERMINATION DATA FORM - V | Vestern Mountains, Valleys, and Coast Region |
|---|---|
| Project/Site: Abee Stadium City/Co | punty: Eurcha Atumbul ct sampling Date: 08/19/28 |
| Applicant/Owner: Durella (ITY) huels | State: A Sampling Point: 1 PS |
| | n, Township, Range: NW4 Sec. 25, T4N, RIW, HBM |
| | relief (concave, convex, none): Slope (%): -2 |
| Subregion (LRR): A, MLRA, 4B Lat: 40.79 | 1217 Long: -124.154906 Datum: WGS 84 |
| | 2-15% stopes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Ye | |
| Are Vegetation, Soil, or Hydrology significantly disturb Are Vegetation, Soil, or Hydrology naturally problemation | |
| SUMMARY OF FINDINGS – Attach site map showing sam | |
| | ping point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No | Is the Sampled Area |
| Wetland Hydrology Present? Yes No X | within a Wetland? Yes No |
| Remarks: By flag folg & fald sign (| |
| 7.5ft east of BD force, 8.5ft | SE at Scomer scoreboord. |
| VEGETATION – Use scientific names of plants. | |
| Tree Stratum (Plot size: 30 ft) Absolute Domi % Cover Spec | inant Indicator Dominance Test worksheet: |
| 1. Salix hookeriana 50 v | Number of Dominant Species 2 (A) |
| 2 | Total Number of Dominant |
| 3 | Species Across All Strata: (B) |
| 4 | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 54) (0 | al Cover That Are OBL, FACW, or FAC: (A/B) |
| 1. KULAN ACMENACUS | FAC Prevalence Index worksheet: |
| 2. Rubus unsinus 30 V | Total % Cover of: Multiply by: |
| 3 | OBL species x 1 = FACW species x 2 = |
| 4 | FAC species x 2 = |
| 5 | EACU species x 4 = |
| Herb Stratum (Plot size: 544) | UPL species x 5 = |
| 1 Equiscrup averse, 25 V | Column Totals: (A) (B) |
| 2. Rapinculus repes 12 | Prevalence Index = B/A = |
| 3. (satim aparine | Hydrophytic Vegetation Indicators: |
| 4 Costaderia jubata 25 v | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Agrostis stiloditera 2 | 2 - Dominance Test is >50% |
| 6 | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. | |
| 9 | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | ¹ Indicators of hydric soil and wetland hydrology must |
| Weadly Vian Statum (Dist size) | I Cover 15 be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) 1 | |
| 2 | |
| OCX = Tota | Present? Vos No |
| | |
| Remarks: * litre | |
| In Litika | |
| | |

L

| Profile Description: (Describe to the dep | th needed to document the indicator or confirm | the absence of indicators.) |
|--|--|---|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-4 10 YR 2/1 100 | <u> </u> | St kill |
| 4-13 254 3/2 90 | 2.543/3 10 C M | SL fill |
| 12.74 54 3/1 00 | 75V024 20 C. PI | 15 |
| 13-21 31 31 00 | 1. J 1 2 - 1- | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | 2 |
| ¹ Type: C=Concentration, D=Depletion, RM | =Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| Hydric Soil Indicators: (Applicable to al | | |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) Red Parent Material (TF2) |
| Histic Epipedon (A2) Black Histic (A3) | Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | V |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| WETLAND DETERMINATION DATA FORM – West | ern Mountains, Valleys, and Coast Region |
|---|--|
| Project/Site: Albee Stadium City/County | Estalia /Hunbult 8/10/20 |
| enjieduny: | |
| | State: CA Sampling Point: TP 6 |
| | vnship, Range: NWY Sec. 25, T4N, RIW, HBM |
| | (concave, convex, none): None Slope (%): 1 |
| Subregion (LRR): A. MLKA-4B Lat: 40.1912 | 21 Long: -124. 154875 Datum: W65 84 |
| Soil Map Unit Name: 237 Lepoil-Candy Man. Complex 2-15 | NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes | No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? | Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problematic? | (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling | point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No | |
| | e Sampled Area |
| vvetand Hydrology Present? Yes No | |
| 6.5 ft east of TP5, 14 ft east of BB | tence, 14 ft SE of Scorner of |
| VEGETATION – Use scientific names of plants. | |
| Tree Stratum (Plot size: 30-ff) Absolute Dominant % Cover Species? | Status |
| 1. A AUS LUCA 5 | That Are OBL, FACW, or FAC:(A) |
| 2. Salix losiandra var lasiandra 25 | FACW |
| 3. Salix Looheriana 30 | Total Number of Dominant Species Across All Strata: |
| 4 | 10-1 |
| | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size: 54) | CN/11 Prevalence Index worksheet: |
| 2. Rubus ormania cus 5 | Total % Cover of: Multiply by: |
| | OBL species x 1 = |
| 4 | FACW species x 2 = |
| 5. | FAC species x 3 = |
| = Total Cov | FACU species x 4 = |
| Herb Stratum (Plot size:) | UPL species x 5 = |
| 1. Equistrum arvere 18 | Column Totals: (A) (B) |
| 2. Cartadoria jubata 40 V | Prevalence Index = B/A = |
| 3. Ranunculus Appense 15 | Hydrophytic Vegetation Indicators: |
| 4. Coasmin x crocismittora 25 V. | 1 - Rapid Test for Hydrophytic Vegetation |
| | AC 2 - Dominance Test is >50% |
| | |
| 7, | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | ¹ Indicators of hydric soil and wetland hydrology must |
| Woody Vine Stratum (Plot size: | er 51.5 be present, unless disturbed or problematic. |
| House Chatan (not size. | 20.6 |
| 1 | Hydrophytic |
| 2 | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum | |
| Remarks: | |
| | |
| | |
| | |

| Profile Description: (Describe to the dept | th needed to document the indicator or confirm | the absence of indicators.) |
|--|--|---|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-10 104R3/2 85 | 104R414 10 C M | L |
| > | 104R4/6 5 C M | / |
| 10-16 INY 3/1 05 | AVO3 14 5 C PL | 15 |
| | | 15 |
| 16-19+ N 2/ 100 | | |
| | | |
| | | |
| | | |
| · · · · · · · · · · · · · · · · · · · | | |
| | | 2 |
| | Reduced Matrix, CS=Covered or Coated Sand Gra L BBo, upleas otherwise noted) | ins. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| Hydric Soil Indicators: (Applicable to all | | |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) Red Parent Material (TF2) |
| Histic Epipedon (A2) | Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Black Histic (A3) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Hydrogen Sulfide (A4) | Depleted Matrix (F3) | |
| Depleted Below Dark Surface (A11) Thick Dark Surface (A12) | X Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | · · · · · · · · · · · · · · · · · · · |
| Type: | | 4.4 |
| Depth (inches): | | Hydric Soil Present? Yes 📈 No |
| Remarks: | | |
| Kelliaka. | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| | | |
| Wetland Hydrology Indicators: | d: check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) 7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (C Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): NA Depth (inches): NA Depth (inches): WA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (C Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (C Field Observations: Surface Water Present? Yes Saturation Present? Yes Quarter Table Present? Yes Describe Recorded Data (stream gauge, m | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): NA Depth (inches): NA Depth (inches): WA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| WETLAND DETERMINATION DA | | Western Mour | ntains, Valleys, and Coast Region |
|---|--------------------|----------------------|---|
| Project/Site: Albee Stadium | Citv/C | County: Evela | Humbold Sampling Date: 8/19/20 |
| Applicant/Owner: Ewerla (ity Schools, | | | State: CA Sampling Point: TP 7 |
| Investigator(s): Sampolly, Daseph Sale | Section | on, Township, Ran | ge NW & Sec. 25, THN, RIW, HBM |
| Landform (hillslope, terrace, etc.): Gulch Fill | Loca | l relief (concave, c | convex, none): <u>Concave</u> Slope (%): <u>0-1</u> |
| Subregion (LRR): A MURA 46 | Lat: 40.7 | O LEAL | Long: - 124. 54958 Datum: W6584 |
| Soil Map Unit Name: 151- Lepoil Candy A | Atn Comple | x 2-15%. | Shees_ NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this | • | | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology s | | | Normal Circumstances" present? Yes No |
| Are Vegetation, Soil, or Hydrology r | | | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | | npling point lo | ocations, transects, important features, etc. |
| | o | Is the Sampled | Area |
| | o o | within a Wetlan | \sim |
| Remarks: see Vegremarus | | | |
| | | | |
| VEGETATION – Use scientific names of plan | te | | |
| | | ninant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | <u>% Cover</u> Spe | cies? Status | Number of Dominant Species 🦪 |
| 1. Licea sitchensis 2. Ilex aquitation | To V | TACIA | That Are OBL, FACW, or FAC: (A) |
| 3. Salix bookers and | 5 | FACW | Total Number of Dominant 5 (B) |
| 4. Bendotsuja Merciesii | 5 | FACU | |
| Sapling/Shrub Stratum (Plot size: 5-14) | <u> </u> | tal Cover 원 | Percent of Dominant Species That Are OBL, FACW, or FAC: 40 % (A/B) |
| 1. Rubus ursinus | 20 1 | FACU | Prevalence Index worksheet: |
| 2 | | | Total % Cover of: Multiply by: OBL species 0 x 1 = 0 |
| 3. | | | FACW species $5 \times 2 = 30$ |
| 5 | | | FAC species 90 x 3 = 270 |
| | 21) = To | tal Cover | FACU species 6/ x 4 = 26 % |
| Herb Stratum (Plot size: 5+1) | 20 | 1 FAC | UPL species x 5 = Column Totals: 172 (A) 568 (B) |
| 1. Equiset Um averc 2. Certadoria Illiata | 10 - | FACI | 22 |
| 3. Dact Y/15 abmerata | 2 | FACU | Prevalence Index = B/A = Hydrophytic Vegetation Indicators: |
| 4 | | - +4 | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | | 2 - Dominance Test is >50% |
| 6 | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 8 | | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | 37 | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 5ft) | = Tot | al Cover | |
| 1. Hedera heix | 20 1 | FACU | Hydrophytic 🔨 |
| 2 | 10 | | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum | <u>20</u> = Tot | al Cover | |
| Remarks: | 1 400 00 | | |
| Hederalelix and Contactoria ju | | station (| dominance. and are giving |
| US Army Corps of Engineers | 1 0 | | Western Mountains, Valleys, and Coast – Version 2.0 |

| Profile Description: (Describe to the depth n | leeded to document the indicator of commit | the absence of indicators.) |
|---|---|--|
| Depth Matrix | Redox Features | - Demokra |
| (inches) Color (moist) % | Color (moist) % Type' Loc ² | Texture Remarks |
| U-8 1.9 YK4.96 60 10 | NRGI 40 C M | <u>Ma</u> |
| 8-16 N2.5/ 00 - | | |
| 16-24+ 5GY3/1 100 - | ~ | CL |
| State State State | · · · · · · · · · · · · · · · · · · · | |
| | | |
| | | |
| | | |
| | | |
| | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Re | duced Matrix, CS=Covered or Coated Sand Gra | ins. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all LR | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | X 2 cm Muck (A10) |
| K Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | 3. H. A. El Justi Barrado Concert |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) Redox Depressions (F8) | unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) Restrictive Layer (if present): | | |
| Type: | | N 1 |
| Depth (inches): | | Hydric Soil Present? Yes X No |
| | | |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| | heck all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: | heck all that apply) Water-Stained Leaves (B9) (except | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Contraction of the second s | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) | Water-Stained Leaves (B9) (except | X Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (|
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (|
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) Saturation (D2) Saturation (D2) Saturation (D2) Saturation (D2) Saturation (D3) Saturation (D5) Saturation (D5) Sa |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) Saturation (D2) Saturation (D2) Saturati |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) Saturation (D2) Saturation (D2) Saturati |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) Saturation (D2) Saturation (D2) Saturati |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) (C9) Saturation Visible on Aerial Imagery (C9) Saturation (D2) Saturation (D2) Saturati |
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| WETLAND DETERMINATION D | ATA FORM - | Western Mou | ntains, Valleys, and Coast Region |
|---|-----------------------------|----------------------|---|
| Project/Site: Albee Stadium | City/C | County: Eurelie | 1/ Humboldt Sampling Date: 8/19/20 |
| Applicant/Owner: Eureka, City Schools | | | State: Sampling Point: TP 8 |
| Investigator(s): DOSCO Sale Son Pally | | | 19e: NW4, Sec. 25, T4N, R.IW, HBM |
| Landform (hillslope, terrace, etc.): (541Ch, Fill | Loca | l relief (concave, o | convex, none): None Slope (%): 3 1/ |
| Subregion (LRR): A MURA - 48 | Lat: 40.7 | | Long: -124.154980 Datum: WGS 84 |
| Soil Map Unit Name: 257- Lepsil Candy | Mtn. Compl | ex 2-15% | Stope NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for th | is time of year? Y | ′es 🔀 No | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology | significantly distur | bed? Are " | Normal Circumstances" present? Yes X |
| Are Vegetation, Soil, or Hydrology | naturally problem | atic? (If ne | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | showing san | npling point lo | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes N | | Is the Sampled | Aros |
| Hydric Soil Present? Yes Wetland Hydrology Present? Yes | | within a Wetlan | |
| Pomorka: | | | |
| 4ft west of tp7 | | | |
| VEGETATION – Use scientific names of plan | | | |
| Tree Stratum (Plot size: 30 H) | Absolute Don % Cover Spe | ninant Indicator | Dominance Test worksheet: |
| 1. Ficea Sitchersis | 70 1 | ZFAC | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2. Salix hookariana | 15 | FACW | Total Number of Dominant |
| 3. Ilex aquitation | 3 | - HACU | Species Across All Strata: (B) |
| 4 | 88 - | 44 | Percent of Dominant Species 7,5 1 |
| Sapling/Shrub Stratum (Plot size: 547) | | tal Cover 44 77.5 | That Are OBL, FACW, or FAC:(A/B) |
| 1. Rubus unsinus | 25 2 | - FACU | Prevalence Index worksheet: Total % Cover of:Multiply by: |
| 2 | | | OBL species x1 = |
| 3 | | | FACW species x 2 = |
| 4 | | | FAC species x 3 = |
| 5 | 25 = TO | tal Cover | FACU species x 4 = |
| Herb Stratum (Plot size: 777) | = 10 | | UPL species x 5 = |
| 1. Cortaderia jubata | - 50 V | FACU | Column Totals: (A) (B) |
| 2. Equisition Darrese | 10 | FAC | Prevalence Index = B/A = |
| 3 | | | Hydrophytic Vegetation Indicators: |
| 4 | | | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | | 2 - Dominance Test is >50% |
| 6 7 | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 8 | | | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| Woody Vine Stratum, (Plot size: 54 | 60_= Tot | al Cover 72 | be present, unless disturbed or problematic. |
| 1. Hedera helix | 5 v | FAIL | 0 |
| 2 | | | Hydrophytic Vegetation |
| | 5 = Tot | al Cover | Present? Yes No _X |
| % Bare Ground in Herb Stratum | | | |
| Remarks: | | | |
| | | | |

| Profile Description: (Describe to the dep | th needed to document the indicator or confi | In the absence of indicators.) |
|---|---|---|
| Depth <u>Matrix</u> | Redox Features | 15 |
| (inches) Color (moist) % | Color (moist) / % Type ¹ Loc ² | Texture Remarks |
| 0-10 10 YR 2/2 90 | 2.543/210 C M | SL |
| 10-74+ 57 3/2 80 | 540 3/4 20 C PL | LS |
| 10 21 11 5/2 00 | | |
| | | |
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| | | |
| | | |
| ¹ Type: C=Concentration, D=Depletion, RM | =Reduced Matrix, CS=Covered or Coated Sand | Grains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all | LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | 31. dt to - after the state of the second |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | |
| Restrictive Layer (if present): | | |
| Туре: | | Hydric Soil Present? Yes No 🔀 |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
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| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF 37) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF 37) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF 37) Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF 37) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF 37) Other (Explain in Remarks) (B8) No Depth (inches): N/A Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF 37) Other (Explain in Remarks) (B8) No Depth (inches): N/A Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes No |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF 37) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): N/A Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF 37) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): N/A Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF 37) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): N/A Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF 37) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): N/A Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) RA) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes No |

. 2

| WETLAND DETERMINATION D | ATA FORM – Western Mo | untains, Valleys, and Coast Region |
|---|------------------------------------|---|
| Project/Site: Albee Jad Non | City/County: | elig Sampling Date: 08/24/20 |
| Applicant/Owner: Eurcha City School | 5 | State: CA Sampling Point: TP9 |
| Investigator(s): Sam Polly, Joseph Salar | Section, Township, R | ange: NWY, Sec. 25, TYN, RIW, HBM |
| Landform (hillslope, terrace, etc.): Mil Sopc | | , convex, none): None Slope (%): 6 % |
| Subregion (LRR): A MLRA - 4B | | Long: -124,154904° Datum: WES 84 |
| Soil Map Unit Name: 257 - LeDoil Condy Mtn | | |
| Are climatic / hydrologic conditions on the site typical for th | nis time of year? Yes X No | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology | S 285 | "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology | | needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | showing sampling point | locations, transects, important features, etc. |
| | No | |
| | No Is the Sample within a Wetla | V |
| Wetland Hydrology Present? Yes Yes | NU | |
| Remarks: NE Comer of Sweball fi | to new green 4 | " pipe discharying to offer in |
| VEGETATION – Use scientific names of plan | nts. | |
| - 6 0 | Absolute Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size: <u>30 H</u>) | % Cover Species? Status | Number of Dominant Species |
| 1. Ilex accintation | - <u>-</u> | That Are OBL, FACW, or FAC: (A) |
| 2. Se quoid sempervinens 3. Alieus rubra | AO V FAC | Total Number of Dominant |
| 4. Francula ousbana | - TO FAC | Species Across All Strata: (B) |
| Picelasitohesis | = Total Cover PAC | Percent of Dominant Species 60 1/ |
| Sapling/Shrub Stratum (Plot size:) | 95 | That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: |
| 1. Rubus Unsinus | <u><u> </u></u> | Total % Cover of: Multiply by: |
| 2, | | OBL species 0 $x_1 = 0$ |
| 3 | | FACW species 15 x 2 = 30 |
| 5. | | FAC species 45 x 3 = 285 |
| FCL. | = Total Cover | FACU species $\underline{70}$ x 4 = $\underline{280}$ |
| Herb Stratum, (Plot size: | | UPL species $2 \times 5 = \frac{105}{105}$ |
| 1 Equiserum telmateia | 15 FACW | Column Totals: <u>185</u> (A) <u>620</u> (B) |
| 2. Strathioptinis Spicart | 10 V FAC | Prevalence Index = B/A = 3.35 |
| 3 | | Hydrophytic Vegetation Indicators: |
| 4 5 | | 1 - Rapid Test for Hydrophytic Vegetation |
| 6 | | 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^{1}$ |
| 7 | | 3 - Prevalence index is \$3.0 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | 75 125 | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 5++ | 12.5 = Total Cover 12.5 | be precent, and a distance of problematic. |
| 1. Medera helix | 60 FACU | Hydrophytic |
| 2 | | Vegetation V |
| % Bare Ground in Herb Stratum | 60 = Total Cover | Present? Yes No |
| Remarks: Hodgers and wast acound on | | |
| * He doe low is readily | involve and is an | int foto , almal unsolation dominante. |
| r menerality is increasely i | INVALVE ALCIS UN | ing TODE Whand very alion animitate |
| US Army Corps of Engineers | U | Western Mountains, Valleys, and Coast - Version 2.0 |

| Profile Description: (Describe to the de | pth needed to document the indicator or confi | m the absence of indicators.) |
|--|---|--|
| DepthMatrix | Redox Features | Texture Remarks |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | |
| 0-11 10YK2/1 100 | EVal de a d | Muse |
| 1-13 N 3/, 55 | 57 3/1 45 U M | |
| 13-24+ 10 YR'4/4 85 | OYR2/1 5 C PL | L |
| | 1041 10 C M | |
| | | |
| | · · · · · · · · · · · · · · · · · · · | |
| | | - <u> </u> |
| | | |
| | | |
| | M=Reduced Matrix, CS=Covered or Coated Sand | Grains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to a | III RRs unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histosol (A1) Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Minerał (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | X |
| Depth (inches): | · | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one requi | | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| X Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | X Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Living R | |
| Aigal Mat or Crust (B4) | Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled Soils (| |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1) (LRR | |
| Inundation Visible on Aerial Imagery | | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Surface | e (B8) | |
| Field Observations: | | |
| Surface Water Present? Yes | No Depth (inches):/A | |
| Water Table Present? Yes | No X Depth (inches): | \checkmark |
| Saturation Present? Yes X | _ No Depth (inches): Surface w | etland Hydrology Present? Yes 🔼 No |
| (includes capillary fringe) | | a) if available: |
| Describe Recorded Data (stream gauge, | monitoring well, aerial photos, previous inspection | s), if available: |
| | - | |
| Remarks: | | |
| | | |
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| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|---|
| Project/Site: Albee Stadium City/County: Evela /Humboldt Sampling Date: 08/24/20 |
| Applicant/Owner: Ewelig Gty Schools State: CA Sampling Point: 710 |
| Investigator(s): San Poly, Joseph Saler Section, Township, Range: NW4, Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): Fill 510 pe Local relief (concave, convex, none): Slope (%): 8 |
| Subregion (LRR): A, MLRA-4B Lat: 40.791876° Long: -124.155084° Datum: W65 94 |
| Soil Map Unit Name: 257-Lepoil Condy Mtn. Complex 2-15% Slopes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 📈 No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No |
| Hydric Soil Present? Yes No X Is the Sampled Area |
| Wetland Hydrology Present? Yes No X within a Wetland? Yes No X |
| Remarks: photo w/ 10 is TP 11, TP 10, Then OHWMith2 |
| VEGETATION – Use scientific names of plants. |

| 300 | Absolute Dominant Indicator | Dominance Test worksheet: |
|---|---------------------------------------|--|
| Tree Stratum (Plot size: 3044) | <u>% Cover Species?</u> Status | Number of Dominant Species 7 |
| 1. Allous rubra | 45 × FAC | That Are OBL, FACW, or FAC: (A) |
| 2 | | Total Number of Dominant |
| 3 | · · | Species Across All Strata: (B) |
| 4 | | Percent of Dominant Species 2 2 1 |
| Sapling/Shrub Stratum (Plot size: 574) | 45 = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| 1. SAMBACUS MACRAOSA | 40 FACIL | Prevalence Index worksheet: |
| 2. Rubus UPSINUS | 15 V FACU | Total % Cover of:Multiply by: |
| 3. Ilex aquifelia | | OBL species x 1 = |
| 4. Rubin armeniacus | | FACW species x 2 = |
| | 10 | FAC species x 3 = |
| 5 | 73 = Total Cover 36.5 | FACU species x 4 = |
| Herb Stratym (Plot size: 5+++) | = Total Cover | UPL species x 5 = |
| 1 Polystichum munitum | 15 V FACU | Column Totals: (A) (B) |
| 2. Athrown filix -tening | 20 × FAC | |
| 3. Calificação Silvarica | | Prevalence Index = B/A = |
| 4 Equisetion orverse | 5 EAC | Hydrophytic Vegetation Indicators: |
| 5. | IAC | 1 - Rapid Test for Hydrophytic Vegetation |
| | | 2 - Dominance Test is >50% |
| 6 | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| | | 5 - Wetland Non-Vascular Plants ¹ |
| 9 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10 | · · · · · · · · · · · · · · · · · · · | ¹ Indicators of hydric soil and wetland hydrology must |
| 11 | 14 72 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 5++ | = Total Cover | |
| 1. Hedera helix | 55 V FNI | |
| 2. | | Hydrophytic Vegetation |
| | 55 = Total Cover | Present? Yes No <u>No</u> |
| % Bare Ground in Herb Stratum 66%* | | |
| Remarks: | | · |
| Hodora and iter | | |
| ment are lilla | | |
| | | |

*

| | - | 201 | IN |
|----------|--------|-----|----|
| Sampling | Point: | I P | V |

| Profile Description: (Describe to the dep | | and the second |
|---|--|---|
| Depth Matrix | Redox Features | 11 11 11 11 11 11 11 11 11 11 11 11 11 |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-17 2.543/2 100 | | b til |
| 7-24+ 10 V 3/1 65 | 543/1 30 C M | LS FIL |
| The state of | EVP 3/2 5 (01 | |
| | JANJO D PL | ()()() |
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| | | |
| | | 3 |
| | =Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| Remarks: | | |
| | | |
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| | | |
| | | |
| HYDROLOGY | | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| Wetland Hydrology Indicators: | ed: check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MI RA 1 2 |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) 37) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) 37) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) 37) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Store (Explain in Remarks) (B8) Depth (inches): NA Depth (inches): NA Wetta | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| WETLAND DETERMINATION DATA FOR | RM – Western Mountains, Valleys, and Coast Region | |
|--|--|---|
| Project/Site: Albee Stadium | _ City/County: Eureka Humbold Sampling Date: 8/24/20 | 0 |
| Applicant/Owner: Ewella City Schools | State; (A Sampling Point: TP11 | |
| Investigator(s): Som RIV, Joseph Saler | _ Section, Township, Range: <u>NWY, Sec. 25, TYN, RIW, HBM</u> | |
| Landform (hillslope, terrace, etc.); Gully | _ Local relief (concave, convex, none): Nove Slope (%): 0-1 | 1 |
| Subregion (LRR): A-MLRA ~ 4B Lat: 40 | 40.79 894° Long: -124. 155054° Datum: WG584 | 1 |
| Soil Map Unit Name: 257- Lepoil Condy Mtn. Compl | plax 2-15% 5/oper NWI classification: PF01C | |
| Are climatic / hydrologic conditions on the site typical for this time of ye | year? Yes X No (If no, explain in Remarks.) | |
| Are Vegetation, Soil, or Hydrology significantly | ntly disturbed? Are "Normal Circumstances" present? Yes 🔀 No | _ |
| Are Vegetation, Soil, or Hydrology naturally pre- | problematic? (If needed, explain any answers in Remarks.) | |
| | | |

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

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

VEGETATION – Use scientific names of plants.

| 16(), | Absolute Dominant Indicator | Dominance Test worksheet: |
|--|--|---|
| Tree Stratum (Plot size: 30 H) | <u>% Cover</u> <u>Species?</u> <u>Status</u> | Number of Dominant Species |
| 1. Alous rubra | KU FAC | That Are OBL, FACW, or FAC: (A) |
| 2 | | Total Number of Dominant |
| 3 | | Species Across All Strata: |
| 4 | | Percent of Dominant Species / / / |
| Sapling/Shrub Stratum (Plot size: 577) | = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| 1. Rubus ursigus | 35 V FACU | Prevalence Index worksheet: |
| 2. Ilex aquitoium, | 8 PACU | Total % Cover of: Multiply by: |
| 3. Lonicord into acrota | 3 | OBL species x 1 = |
| 3: Sotte of the sotte of the | | FACW species x 2 = |
| 4 | • | FAC species x 3 = |
| 5 | 46 = Total Cover | FACU species x 4 = |
| Herb Stratum (Plot size: 5++) | T6 = Total Cover 1.2 | UPL species x 5 = |
| 1 | | Column Totals: (A) (B) |
| 2 Equisctum telmateia | 7 FACW | Browelence Index - B/A - |
| 3. Rahunculus repes | 15 V FAC | Prevalence Index = B/A = Hydrophytic Vegetation Indicators: |
| 4. | | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Veconica americana | 3 OBL | 2 - Dominance Test is >50% |
| 6. Calvspaia silvatica | .Z VNL | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. CroEpsmia × Grocesmittera | 15 M FAC | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Athrium filix-tening | 10 · fAc | data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| | <u>62</u> = Total Cover 31 | be present, unless disturbed or problematic. |
| Woody Vine Stratum, (Plot size: 54) | | |
| 1. Hedera helix | 4* FAC4 | Hydrophytic |
| 2 | | Vegetation |
| 291 | = Total Cover | Present? Yes <u>No</u> No |
| % Bare Ground in Herb Stratum 38% | | |
| Remarks: Herdera not caused as a | dominant due to low | the 51 |
| a the could be all | oundraw when to par | S IIm /. Cher. |
| | | |

| Profile Description: (Describe to the d | epth needed to document the indicator or confirm | the absence of indicators.) |
|---|--|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-8 10YR2/2 95 | 54R 3/3 5 C PL | SL |
| 8-24+N5/ 80 | IOVR 3/1 ID C M | SL |
| | 2.5 4/3 5 C P | |
| | EVA NICE COL | |
| | 21K 4/0 2 0 10 | · · · · |
| | | |
| | · · · · · · · · · · · · · · · · · · · | |
| | | |
| | | |
| | | |
| Hydric Soil Indicators: (Applicable to | M=Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| | | 2 cm Muck (A10) |
| Histosol (A1) Histic Epipedon (A2) | Sandy Redox (S5) Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | 🔀 Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | × |
| Туре: | | L. L. |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| | D | |
| HYDROLOGY | | |
| | | |
| Wetland Hydrology Indicators: | ired: check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1 2 |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requination) Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requination (M1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Try-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requination of the requination of t | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one requination of the requination of t | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): NA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requination of the equination of the equinatic of the equination of the equination of the equinati | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): N/A Depth (inches): 2221N | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): N/A Depth (inches): WHA No Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): N/A Depth (inches): 2221N | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| WET | LAND DE | TERMINATION D | ATA FORM – Wester | r <mark>n Moun</mark> tains, Valleys, and | d Coast Region |
|---------------------------|--------------|---------------------------|--------------------------|---|-------------------------|
| Project/Site: | ee Ste | diun | City/County: _ | Eurelia | Sampling Date: 08/24/20 |
| Applicant/Owner: | reha C | ity Scools | | State: CA | Sampling Point: 11912 |
| Investigator(s): 005e | ph S | aler, San P | Section, Towr | nship, Range: NW4 Sec.25 | TYN, RIW, HBM |
| Landform (hillslope, ter | race, etc.): | Gultch till | | oncave, convex, none): | Slope (%): 3 |
| Subregion (LRR): | MLRA | 1-4B | Lat: 40.7920 | 60° Long: 24. 1556 | 27° Datum: WGS 84 |
| Soil Map Unit Name: | 257-6 | epoil Condy | Mtn. Complex 2- | 15% Stopes NWI classific | cation: PF01C |
| Are climatic / hydrologie | c conditions | on the site typical for t | his time of year? Yes 🔀 | No (If no, explain in F | Remarks.) |
| Are Vegetation, | Soil | , or Hydrology | significantly disturbed? | Are "Normal Circumstances" | present? Yes 🔨 No |
| Are Vegetation, | Soil | , or Hydrology | naturally problematic? | (If needed, explain any answe | ers in Remarks.) |
| | | | | | |

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

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

VEGETATION – Use scientific names of plants.

| 201 | Absolute Dominant Indicator | Dominance Test worksheet: |
|--|---------------------------------------|---|
| Tree Stratum (Plot size:) | % Cover Species? Status | Number of Dominant Species |
| 1. Alous rubra | <u>5</u> <u>+AC</u> | That Are OBL, FACW, or FAC: (A) |
| 2. Picea Sitchensis | 95 V FAC | |
| 3. Salix windra | 3 FACW | Total Number of Dominant Species Across All Strata: 7 (B) |
| A | | |
| * | TO3 = Total Cover SIS | Percent of Dominant Species 715 |
| Sapling/Shrub Stratum (Plot size: 5FF) | 103 = Total Cover 51.5 | That Are OBL, FACW, or FAC:/ / / (A/B) |
| | 15 FAC. | Prevalence Index worksheet: |
| 1. Lonicera involucrata | | Total % Cover of: Multiply by: |
| 2. Rubus Ursinus | 10 V FACU | OBL species x 1 = |
| 3 | | |
| 4 | | FACW species x 2 = |
| 5. | | FAC species x 3 = |
| | 25 = Total Cover 13.5 | FACU species x 4 = |
| Herb Stratum (Plot size: 5+5) | = Total Cover 5 | UPL species x 5 = |
| 1. Caret obnupty | 10 V OBL | Column Totals: (A) (B) |
| 2 Athrium Filix-ferring | 15 V FAC | Dravalance laday - D/A - |
| 3. Lystaliton americanus | 10 V OBL | Prevalence Index = B/A = |
| 4. Caustegia silvatica | Q NI | Hydrophytic Vegetation Indicators: |
| | | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Equisedum arvense | 5 TAC | 2 - Dominance Test is >50% |
| 6 | · · · · · · · · · · · · · · · · · · · | 3 - Prevalence Index is ≤3.0 ¹ |
| 7, | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | data in Remarks or on a separate sheet) |
| | | 5 - Wetland Non-Vascular Plants ¹ |
| 9 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 119 24 | be present, unless disturbed or problematic. |
| Woody Wine Stratum (Plot size: 54) | Total Cover 21 | |
| Woody whe stratum (Plot size:) | 15 1 FACIL | |
| 1. Hedera belix | LJ V TACU | Hydrophytic |
| 2 | | Vegetation X |
| 2 | 25 = Total Cover | Present? Yes <u>No</u> No |
| % Bare Ground in Herb Stratum | | |
| Remarks: | | |
| | | |
| | | |

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| Profile Description: (Describe to the de | pth needed to document the indicator or confirm | the absence of indicators.) |
|---|---|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | <u>Color (moist)</u> <u>%</u> <u>Type¹</u> <u>Loc²</u> | Texture Remarks |
| 0-8 104K211 100 | | |
| 8-14 N3/ 95 | 104R3/4 5 C PL | SCL |
| 14-24+ 10Y'4/1 90 | 104R3/4 ID C PL | 51 |
| | +++++++++++++++++++++++++++++++++++++++ | |
| | | |
| | | |
| 2 <u></u> | · · · · · · · · _ · _ · _ · _ · _ · _ · _ · _ · _ · _ · _ · _ · _ · _ · · _ · · _ · · _ · | |
| | · · · · · · · · · · · · · · · · · · · | |
| | | |
| | 1=Reduced Matrix, CS=Covered or Coated Sand Gra | |
| Hydric Soil Indicators: (Applicable to a | II LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | X 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) Other (Explain in Remarks) |
| Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) | Loamy Gleyed Matrix (F2) Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Kedox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | X |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | ······ |
| | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requires Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required in the second sec | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required in the second sec | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (| Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required structure) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| WETLAND DETER | RMINATION DA | ATA FOR | M – Wes | tern Mou | ntains, Valleys, | and Coast Re | gion |
|--|------------------------|----------------|-------------|-------------|--|--|----------------------|
| Project/Site: Albee Star | lium, | | City/County | Eur | ella | Sampling Da | te: 08/28/20 |
| Applicant/Owner: Eurelia Cit | y Schools | | | V | State: C/ | 4 Sampling Po | |
| Investigator(s): Joreh Salec | Som folly | | | ownship, Ra | inge: NWY Sec. | 25, T4N, R | IW, HBM |
| Landform (hillslope, terrace, etc.): Fill | Slope 1 | | Local relie | | convex, none): | | Slope (%): <u>20</u> |
| Subregion (LRR): A, MLKA-4B | - Anna - I | Lat: 40 | .792 | 246" | _ Long: -124.1 | 55625 | Datum: WGS 84 |
| Soil Map Unit Name: 257- Lepo | il Condy M | 1tn. Con | nplex | 2-15% | Shopes NWI cla | ssification: <u>PF</u> | 010 |
| Are climatic / hydrologic conditions on th | e site typical for thi | is time of yea | ar? Yes | K No | (If no, explain | n in Remarks.) | X |
| Are Vegetation, Soil, or I | Hydrology : | significantly | disturbed? | Are | "Normal Circumstand | ces" present? Yes | XNo |
| Are Vegetation, Soil, or I | Hydrology | naturally pro | blematic? | (If ne | eeded, explain any a | nswers in Remarks | .) |
| SUMMARY OF FINDINGS - A | ttach site map | showing | samplir | ng point l | ocations, transe | ects, importan | t features, etc. |
| Hydrophytic Vegetation Present? | Yes N | No X | | | | | |
| Hydric Soil Present? | | lo X | | he Sampleo | | No | |
| Wetland Hydrology Present? | | lo X | With | hin a Wetla | na <i>r</i> res _. | No <u>/</u> | <u> </u> |
| Remarks: mixed MJgn | ity pre | ere-t | | | | | |
| 8ft South of | TP'12 | | | | | | |
| VEGETATION – Use scientific | names of plar | nts. | | | | | |
| 30[+ | | Absolute | | t Indicator | Dominance Test | worksheet: | |
| Tree Stratum (Plot size: 30++ |) | % Cover | Species? | FAC | Number of Domina That Are OBL, FA | | 2 (A) |
| 2 | | | | | Total Number of D | | |
| 3 | | | | | Species Across Al | | (B) |
| 4 | | 00 | | | Percent of Domina | ant Species | 521 |
| Sapling/Shrub Stratum (Plot size: 5 | ft , | 48 | = Total Co | over | That Are OBL, FA | | <u>)///</u> (A/B) |
| 1. Rybus Varsials | | 60 | ~ | FACU | Prevalence Index | | |
| 2. Loncera involucrata | | 10 | | FAC | Total % Cover | | Iltiply by: |
| 3 | | 1261 | | | | x 1 = | |
| 4 | | | | | | x 2 = | |
| 5 | | | | 45 | A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONT | x 3 = x 4 = | |
| Herb Stratum (Plot size: 5ff | ă. | 10 | = Total Co | over 2 | CONTRACTOR CONTRA | x 5 = | |
| 1. Calystegia silverica |) | 20 | | NL | | (A) | |
| 2. Eduschum averse | | 20 | V | FAC | | | |
| 3. Poly stichup mutur | | 2 | | FACU | | ndex = B/A = | |
| 4. Athrown tilix-tening | | 3 | | FAC | | t for Hydrophytic Ve | |
| 5. Contx obnupta | | 5 | | OBL | 2 - Dominance | | goizaon |
| 6 | | | | | 3 - Prevalence | e Index is ≤3.0 ¹ | |
| 7 | | | | | 4 - Morpholog | ical Adaptations ¹ (F | Provide supporting |
| 8 | | | | · | | marks or on a sepa | |
| 9 | | | | | | on-Vascular Plants | |
| 10 | | | ě. | | | lydrophytic Vegetal ic soil and wetland | |
| 11 | | 50 | = Total Co | .22 | | disturbed or proble | |
| Woody Vine Stratum (Plot size: | | | | 10 | | | |
| 1 | | | | | Hydrophytic | | 1 |
| 2 | | 1 | | | Vegetation Present? | Yes No | X |
| % Bare Ground in Herb Stratum 50 |) | | Total Co | ver | | | |
| Remarks: | | | | | | | |
| | | | | | | | |
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| L | | | | | | | |

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| SOIL |
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Sampling Point: TP 3

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| - 59410440 | pth needed to document the indicator or confirm | the absence of indicators.) |
|---|---|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-12 10 YR 2/1 100 | | SL |
| 12-24+2.5 13/ 85 | 54R 3/4 10 C PL | SE |
| | 25443 5 C M | |
| · | <u>=)///</u> | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | 3 Di Barris Di Barris Mallativ |
| 'Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to a | I=Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| | | 2 cm Muck (A10) |
| Histosol (A1) Histic Epipedon (A2) | Sandy Redox (S5) Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loarny Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | - |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | V |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | 6 C 1 |
| HYDROLOGY | | |
| | | |
| | | |
| Wetland Hydrology Indicators: | | Secondary Indicators (2 or more required) |
| Primary Indicators (minimum of one requir | 010.00 | Secondary Indicators (2 or more required) |
| Primary Indicators (minimum of one requir Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) HAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one required in the second seco | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) HAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) HAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) HAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|---|
| Project/Site: Albee, Stadium City/County: Eurelia Sampling Date: 9/14/20 |
| Applicant/Owner: Evreka City School, State: CA Sampling Point: TP 14 |
| Investigator(s): Sam Poly, Joseph Jales Section, Township, Range: NW4 SEC.25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): Hillslope Slope Local relief (concave, convex, none): None Slope (%): 5 |
| Subregion (LRR): A. MLRA - 4B Lat: 40.792106 Long: -124.156186 Datum: WGS 84 |
| Soil Map Unit Name: 257-Lepoil Condy Mtn. Complex 2-15% Shopes NWI classification: PFO IC |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |
| |

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

VEGETATION – Use scientific names of plants.

| 30 (1 | Absolute Dominant Indicator | Dominance Test worksheet: |
|--|--------------------------------|---|
| Tree Stratum (Plot size: 30 ff) | <u>% Cover Species? Status</u> | Number of Dominant Species |
| 1. Francy 19 purshiana | LO V TAC | That Are OBL, FACW, or FAC: (A) |
| 2. Ther aquitbia | 45 V FACU | Total Number of Dominant |
| 3. Alnus raubra | 10 FAC | Species Across All Strata:(B) |
| 4 | | |
| | Total Cover | Percent of Dominant Species 67 1 |
| Sapling/Shrub Stratum (Plot size: 54) | | That Are OBL, FACW, or FAC: (A/B) |
| 1. Rubus unsinus | 10 FACU | Prevalence Index worksheet: |
| 2. Loncera involucrata | 20 × FAC | Total % Cover of: Multiply by: |
| | | OBL species x 1 = |
| 3 | · · · | FACW species x 2 = |
| 4 | · · · | FAC species x 3 = |
| 5 | 30 = Total Cover | FACU species x 4 = |
| Herb Stratum (Plot size:) | = Total Cover - C | UPL species x 5 = |
| 1 Lysiditon americanus | 75 V OBL | Column Totals: (A) (B) |
| 2. Athraim Hilix TEMina | 20 V FAC | |
| 3. Equiption telmated | 1 600 | Prevalence Index = B/A = |
| s the segment testimoted | | Hydrophytic Vegetation Indicators: |
| | · | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | · | X 2 - Dominance Test is >50% |
| 6 | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | · | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 96 = Total Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 5++) | | |
| 1. Hedera helix | 2" HACU | Hydrophytic |
| 2. | | Vegetation |
| 18 8/ | 2 = Total Cover | Present? Yes 🔼 No |
| % Bare Ground in Herb Stratum 4% | | |
| Remarks: | | |
| * Less than 5% cover, not cover | idered dominant. | |
| The second secon | | |
| | | |

US Army Corps of Engineers

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Sampling Point: TP 14

1

| Profile Description: (Describe to the | | NATO CONTRACTOR CONTRACTOR (CONTRACTOR) |
|---|---|--|
| Depth <u>Matrix</u> | <u> Redox Features</u> Color (moist) % <u>Type¹ Loc²</u> | Texture Remarks |
| (inches) Color (moist) % | <u>Color (moist)</u> <u>%</u> <u>Type'</u> <u>Loc</u> ² | M |
| D-13 IUN Z/C III | 5 7.5 YR3/4 35 C PL | |
| 13-14 2.79 9/1 6= | 5 1.7 YKJY 37 C PL | _3L |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | RM=Reduced Matrix, CS=Covered or Coated Sand Gra | |
| Hydric Soil Indicators: (Applicable to | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2) | Very Shallow Dark Surface (TF12) Other (Explain in Remarks) |
| Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11 | | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| X Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | V |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | 176.01 |
| | | |
| | | |
| Wetland Hydrology Indicators: | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) ry (B7) Other (Explain in Remarks) ace (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) ry (B7) Other (Explain in Remarks) ace (B8) No Depth (inches): 0.251 No Depth (inches): 0.251 | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) ry (B7) Other (Explain in Remarks) ace (B8) No Depth (inches): 0.251 No Depth (inches): 0.251 No Depth (inches): 0.251 Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| WETLAND DETERMINATION DATA FORM – We | estern Mountains, Valleys, and Coast Region |
|---|---|
| Project/Site: Albee Stadium City/Cou | nty: Eureka Sampling Date: 9/14/20 |
| Applicant/Owner: Europa City Schools | State: A Sampling Point: 7775 |
| Investigator(s): Josephale, Sam Poly Section, | Township, Range: NW4 Sec. 25, T4N, R1W, HBM |
| | lief (concave, convex, none): None Slope (%): |
| Subregion (LRR): A, MLRA-4B ' Lat: 40.79 | 996° Long: -124. 156189° Datum: W6584 |
| Soil Map Unit Name: 257- Lepoil Candy Mtn. Complex 2 | 2-15% Slopes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes | No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed | d? 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 sample | ling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No | the Semaled Area |
| | the Sampled Area |
| Wetland Hydrology Present? Yes No | |

VEGETATION – Use scientific names of plants.

100

Remarks:

| 226 | Absolute Dominant Indicator | Dominance Test worksheet: |
|--|---------------------------------------|---|
| Tree Stratum (Plot size 30 + | % Cover Species? Status | Number of Dominant Species |
| 1. Flex aquitaint | 40 FACU | That Are OBL, FACW, or FAC: (A) |
| 2. Piceasitalenis | 60 V FAC | |
| 3. | | Total Number of Dominant |
| 4 | · · · · · · · · · · · · · · · · · · · | Species Across All Strata: (B) |
| 4. | 100 = Total Cover | Percent of Dominant Species 50% (A/P) |
| Sapling/Shrub Stratum (Plot size: 544) | 100 = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| Saping/Sindo Stratum (Plot size) | 10 / DALL | Prevalence Index worksheet: |
| 1. Rubur yrsinus | TO P TACU | Total % Cover of:Multiply by: |
| 2 | | $\overline{OBL \text{ species } 7} x = 7$ |
| 3 | · · · · · · · · · · · · · · · · · · · | |
| 4 | | |
| 5 | | FAC species $60 \times 3 = 80$ |
| | = Total Cover | FACU species x 4 = X 0 |
| Herb Stratum (Plot size: 51) | | UPI species x 5 = |
| 1 Staches Alugoides. | 6 V OBL | Column Totals: 207 (A) 707 (B) |
| 2. Equiserum telmateia | 20 FACW | 21 |
| 3. Sdiraws microcarow | 1 OBL | Prevalence Index = B/A = 3.4 |
| | | Hydrophytic Vegetation Indicators: |
| 4 | | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | 2 - Dominance Test is >50% |
| 6 | · · · · · · · · · · · · · · · · · · · | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | 4 - Morphological Adaptations ¹ (Provide supporting |
| θ, | | data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 27 = Total Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 5++) | Total Cover 54 | |
| 1. Hedera helix | 70 V FACIL | |
| | | Hydrophytic Vegetation |
| | 10 | Present? Yes No |
| % Bare Ground in Herb Stratum 73ん | <u>70</u> = Total Cover | |
| Bomarka: | | |
| Invertive Hedrahelix and Ilex qu | suifation asim L | Le unland regetition Jaine in |
| THE LICE LICE THE THE STATE | your juny ta | or your of laving on manal |
| | | · V |
| | | |

US Army Corps of Engineers

SOIL

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| Profile Description: (Describe to the de | oth needed to document the indicator or confirm | the absence of indicators.) |
|--|---|---|
| Depth Matrix | Redox Features | |
| (inches) Color (moist), % | Color (moist)%Type ¹ Loc ² | Texture Remarks |
| 0-4 2.5/25/ 65 | 7.5 YR 2.5/2 5 C PL | SL |
| | 104R2/130 C M | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| IL-13 754825/1 (0 | 1512.53 40 C M | 15 |
| 12- 7542/1 | PCUR)EL C C PI | |
| 5- 21573/1 00 | LISTICOS S C TC | <u>>-</u> |
| | 104102/1 35 C M | Much |
| | | |
| | | 9 |
| · · · · · · · · · · · · · · · · · · · | | |
| | | 21 |
| Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to al | I=Reduced Matrix, CS=Covered or Coated Sand Gr. | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| - | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histosol (A1) Histic Epipedon (A2) | Stripped Matrix (S6) | 2 cm Muck (ATO) Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Kedox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | · · · · · · · · · · · · · · · · · · · | |
| Туре: | | V |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| | 4 1 1 1 | |
| HYDROLOGY | | in the second |
| Wetland Hydrology Indicators: | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roce Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) S) FAC-Neutral Test (D5) An and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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i.

| WETLAND DETERMINATION DATA | FORM – V | Vestern Mour | ntains, Valleys, and Coast Region |
|--|--|-----------------------------------|--|
| Project/Site: Albee Stadium | City/Co | ounty: Eve | Sampling Date: 9/14/20 |
| Applicant/Owner: Eureha Gty Schools | 0.0,00 | | State: A Sampling Point: TP16 |
| Investigator(s): San Poly, Jos (Plaster, | Sectio | n, Township, Ran | ge NW4 Sec. 25, T4N, R1W, HBN |
| Landform (hillslope, terrace, etc.): Allenc hourty till | | relief (concave, c | |
| | at: 40.79 | 71679° | Long: -124. 156 183° Datum: WG5 84 |
| Soil Map Unit Name: 257- Lepoil Condy MH | n. Comple | x 2-15% s | NWI classification: NONE |
| Are climatic / hydrologic conditions on the site typical for this tim | ne of year? Ye | | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology signi | | | Normal Circumstances" present? Yes X |
| Are Vegetation, Soil, or Hydrology nature | rally problemat | tic? (If nee | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map sho | owing sam | pling point lo | cations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes X No | | | |
| Hydric Soil Present? Yes No | ¥ I | Is the Sampled A within a Wetland | x |
| Wetland Hydrology Present? Yes No Remarks: Image: Control of the second seco | <u> </u> | | |
| 12in. West at force Midway be | etween l | pareball di | igat and N. tence corner |
| VEGETATION – Use scientific names of plants. | | | V |
| | cover Spec | inant Indicator | Dominance Test worksheet: |
| 1. Picca sitchensis 2 | | FAC | Number of Dominant Species That Are OBL, FACW, or FAC; 4 (A) |
| 2. SAIX SIDA Dra | 35 V | FACW | |
| 3. I tex a quitalia | 0 | FACY | Total Number of Dominant Species Across All Strata: |
| 4 | F | 115 | Percent of Dominant Species 160.1 |
| Sapling/Shrub Stratum (Plot size: 51) | 65_ = Tota | al Cover 13 | That Are OBL, FACW, or FAC:(A/B) |
| 1. Rybus Unsinus | 2 | FACU | Prevalence Index worksheet: |
| 2 | | | Total % Cover of:Multiply by: |
| 3 | | | OBL species x 1 = FACW species x 2 = |
| 4 | | | FAC species x 2 = |
| 5 | 0 | | FACU species x 4 = |
| Ilerb Stratum (Plot size: 54 | U = Tota | al Cover | UPL species x 5 |
| 1. SCIPAUS MILTO CAPPUS 5 | ,0 v | OBL | Column Totals: (A) (B) |
| 2. Ranuncilus repens | 15 V | FAC | Prevalence Index = B/A = |
| 3. Holcus langtus | 5 | FAC | Hydrophytic Vegetation Indicators: |
| 4 Equisetun talmatea | <u> </u> | +HCW | A 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Calistopia si varica 6. Agrosfis stanifera | | - Ch- | X 2 - Dominance Test is >50% |
| 7. Raphanus Sativa | | - TAU | 3 - Prevalence Index is $\leq 3.0^1$ |
| 8. | | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | A Here | | ¹ Indicators of hydric soil and wetland hydrology must |
| Woody Vine Stratum, (Plot size: 544) | US_= Tota | I Cover 52.5 | be present, unless disturbed or problematic. |
| 1. Actor of leix | 3 | FACU | |
| 2 | · · · · · · | | Hydrophytic Vegetation |
| - A - | <u>3 </u> | I Cover | Present? Yes <u>No</u> |
| % Bare Ground in Herb Stratum | -21 | | |
| Hederaldix and Rubus wrights | nave he | os than | 5% cover and are not |
| Considered dominants. | | | |

US Army Corps of Engineers

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SOIL

Sampling Point: TP 16

| Profile Description: (Describe to the dep | (1012) | |
|--|--|--|
| Depth Matrix | Redox Features | Televis |
| (inches) Color (moist) % | <u>Color (moist)</u> % <u>Type¹</u> Loc ² | Texture Remarks |
| 0-6 1.3 YR 4.3/1 100 | | |
| 6-15 2.513/2 70 | 10YR 3/3 10 C M | LS |
| | 10YR 3/4 20 C M | \sim |
| 15-24+ 542 512 00 | | 1 |
| 19 21 12.10 100 | · <u> </u> | <u> </u> |
| a | | |
| | | |
| | | |
| | | |
| | | ains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to al | =Reduced Matrix, CS=Covered or Coated Sand Gra | Indicators for Problematic Hydric Soils ³ : |
| | | 2 cm Muck (A10) |
| Histosol (A1) Histic Epipedon (A2) | Sandy Redox (S5) Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | <u> </u> |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | V |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| | ed; check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | ed; check all that apply) Water-Stained Leaves (B9) (except | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roor | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rooi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) To Other (Explain in Remarks) (B8) No | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) 37) Other (Explain in Remarks) (B8) No Depth (inches): NA Depth (inches): NA NA No | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roor Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): NA Depth (inches): NA Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roor Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): NA Depth (inches): NA Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roor Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): NA NA Depth (inches): NA Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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10.04

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| WETLAND DETERMINATION DA | TA FORM – Western Mou | ntains, Valleys, and Coast Region |
|---|--|---|
| Project/Site: Albee Stadium | City/County: Eure | 9/14/20 |
| Applicant/Owner: Ewelig Cty, School | | Ch TO 19 |
| | | State: <u>OA</u> Sampling Point: <u>IP IT</u> |
| | | nge: NWY Sec. 25, J4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): | Local relief (concave, | |
| Subregion (LRR): AMLKA-98 | Lat: 40. 191468 | Long: - 129. 156256 Datum: WG584 |
| Soil Map Unit Name: 43/- 4001 Condy / | Hn. Complex 2-15% | Slepc NWI classification: None |
| 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 Hydrology s | ignificantly disturbed? Are | 'Normal Circumstances" present? Yes 📈 No |
| Are Vegetation, Soil, or Hydrology n | aturally problematic? (If ne | eeded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | showing sampling point l | ocations, transects, important features, etc. |
| | ° | |
| | o Is the Sampled within a Wetlar | |
| | | |
| 14A Not Conex box, 15A | Wert of force. | |
| VEGETATION – Use scientific names of plan | ts. | |
| Tree Stratum (Plot size; 30 Ft) | Absolute Dominant Indicator % Cover Species? Status | Dominance Test worksheet: |
| 1. Salix lasiandra | 15 ACW | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2. Salix sitchersis | FACW | |
| 3. Salix hookeriana | 5 V FACW | Total Number of Dominant Species Across All Strata: |
| 4, | | 1001 |
| \sim | 24 = Total Cover 12 | Percent of Dominant Species 100%. (A/B) |
| Sapling/Shrub Stratum (Plot size:) | 4.8 | Prevalence Index worksheet: |
| 1 | | Total % Cover of: Multiply by: |
| 2 | · · · · | OBL species x 1 = |
| 3 | | FACW species x 2 = |
| 5 | | FAC species x 3 = |
| | = Total Cover | FACU species x 4 = |
| Herb Stratum (Plot size. | | UPL species x δ = |
| 1. CYLINS eraposts | 3 HACW | Column Totals: (A) (B) |
| 2. Scippus microcorpu | ZO OBL | Prevalence Index = B/A = |
| 3. Rannaulus repers | 40 FAC | Hydrophytic Vegetation Indicators: |
| 4. Tritolium repleus | 15 - FAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 California Silvatica | 3 FAC | X 2 - Dominance Test is >50% |
| 6 testucal perennis | 15 V FAC | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Holow lanatus | 15 V FAC | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. (Salium a porine | 5 PAC | data in Remarks or on a separate sheet) |
| 9. Aprostis Stateritera | | 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10. testuca, armainicea 11. Fawschun tel Mateià | FAC FAC | ¹ Indicators of hydric soil and wetland hydrology must |
| | | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | = Total CoveOBL | |
| 1. RUMEX CRISPINS | 1 FAC | Hydrophytic |
| 2. Taraxoum officinate | 2 FACU | Vegetation |
| R | = Total Cover | Present? Yes No |
| % Bare Ground in Herb Stratum | 21 21.2 | 1 |
| Remarks: | | |
| | | Υ. |

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SOIL

Sampling Point: TP 17

| I tome becomption. (Decembe to the dept | h needed to document the indicator or confirm | the absence of indicators.) |
|--|---|---|
| Depth Matrix | Redox Features | 25. 3 |
| (inches) Color (moist) % | Color (moist) <u>%</u> Type ¹ Loc ² | Remarks |
| 0-2 10YR 2/2 100 | | |
| 2-6 514/2 100 | | VGrGSL |
| 6-24+5/3/1 100 | | S Mixed fill at top of horizon |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| ¹ Type: C=Concentration, D=Depletion, RM= | Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all I | _RRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2) | Very Shallow Dark Surface (TF12) X Other (Explain in Remarks) |
| Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | \times |
| Depth (inches): | | Hydric Soil Present? Yes A No |
| Remarks: | | |
| Remarks: Positive A-A-1 |) (a) Jin | |
| | ~ | |
| | | |
| | | |
| | | |
| | = | |
| Wetland Hydrology Indicators: | - check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) Wigh Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) tron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (f | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Sa8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roof Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): N/A Depth (inches): 7 in | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) tron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes <u>No</u> |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) tron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roof Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes <u>No</u> |
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| WETLAND DET | ERMINATION DATA FORM | - Western Mountains, Valleys, a | and Coast Region |
|---|---|-------------------------------------|-------------------------------|
| Project/Site: Albee St | adium city | //County: Eurelia | Sampling Date: 9/15/20 |
| Applicant/Owner: Eurela (| ity Schools | State: CA | Sampling Point: TP 18 |
| Investigator(s): San Poly | Josep Saler See | ction, Township, Range: NW4, See | .25, T4N, R1W, HBM |
| Landform (hillslope, terrace, etc.): | | cal relief (concave, convex, none): | |
| Subregion (LRR): A, MURA - | -4B Lat: 40. | 791459° Long: -124.15 | 56206 Datum: WG5 84 |
| Soil Map Unit Name: 257-4 | puil Condy Mtn. Comple | x 2-15% Slopes NWI class | sification: None |
| Are climatic / hydrologic conditions of | n the site typical for this time of year? | Yes X No (If no, explain | in Remarks.) |
| Are Vegetation, Soil, | or Hydrology significantly disi | turbed? Are "Normal Circumstance | es" present? Yes 📈 No |
| Are Vegetation, Soil, | or Hydrology naturally proble | matic? (If needed, explain any and | swers in Remarks.) |
| SUMMARY OF FINDINGS - | Attach site map showing sa | mpling point locations, transe | cts, important features, etc. |
| Hydrophytic Vegetation Present? | Yes 🔀 No | In the Compled Area | |

| Hydropnytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes No Yes No Yes No | Is the Sampled Area within a Wetland? | Yes No |
|---|----------------------------|---------------------------------------|--------|
| Remarks: Within Mowe | d baseball field | | |

| | Abartuka | Densie and Judicates | Dentinence Testenelistest |
|------------------------------------|----------|---------------------------------------|---|
| Tree Stratum (Plot size:) | | Dominant Indicator Species? Status | Dominance Test worksheet: |
| 1 | 70 00401 | | Number of Dominant Species |
| | | · · · · · · · · · · · · · · · · · · · | That Are OBL, FACW, or FAC: (A) |
| 2 | <u> </u> | | Total Number of Dominant |
| 3 | <u></u> | | Species Across All Strata: (B) |
| 4 | - | | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot sizes) | 1 | = Total Cover | That Are OBL, FACW, or FAC:(A/B) |
| | | | Prevalence Index worksheet: |
| 1 | | | Total % Cover of:Multiply by: |
| 2 | | | OBL species x 1 = |
| 3 | | | FACW species x 2 = |
| 4 | | | FAC species x 3 = |
| 5 | | | FACU species x 4 = |
| Herb Stratum, (Plot size: 5++) | ~ | = Total Cover | UPL species x 5 = |
| 1. Ranuaculus (Plot size:) | 5 | - FAL | Column Totals: (A) (B) |
| | 1 | FAC | |
| 2. Kunex crispus | 20 | TAC | Prevalence Index = B/A = |
| 3. Agrostis Solartera | 1 | FAC | Hydrophytic Vegetation Indicators: |
| 4 Trifolium reports | + | | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Bellis perene | 1 | NL | X 2 - Dominance Test is >50% |
| 6. Holas anotus | 2 | TAC | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Plantago Major | 2 | FAC | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Jacaxorum Votticinale | 1 | FACM | data in Remarks or on a separate sheet) |
| 9. Prinella vulgaris self ha | 8 | FACU | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 101 | = Total Cover 50.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | Se V de | - Total Cover 20.2 | |
| 1 | | | Hydrophytic |
| 2 | | | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum | - | = Total Cover | Present? Yes A No |
| Remarks: | 1 11 | C 11 1 | 1 |
| Veg reflects imigated base | eba// | hield cond | itions |

US Army Corps of Engineers

| Sampling Point: | 1 | TP | 18 |
|-----------------|---|----|----|
| Sampling Point: | - | | 10 |

| | | the shows a standard and a second |
|---|--|---|
| Profile Description: (Descril | be to the depth needed to document the indicator or confirm | the absence of indicators.) |
| Depth <u>Matrix</u> | | Tanking Demokratic |
| (inches) Color (moist) | | Texture Remarks |
| 0-3 2.54 3/1 | | ExGralls Grave fil |
| 3-8 7.5/8 3/1 | 60 7.5YR 3/2 40 C. PL | SL TORSOIL FUL |
| Q-12 10 211 | 55 MYR3/ 45 C M | LS Drainage sand fill |
| | | DIDING DOTO TIL |
| 12-24 04 3/1 | | S til |
| | | |
| 3 . | | |
| | | |
| | | |
| | | |
| | | rains. ² Location: PL=Pore Lining, M=Matrix. |
| | Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Gr Dicable to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| | | |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surf | | 31 |
| Thick Dark Surface (A12) | | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1 | | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | | unless disturbed or problematic. |
| Restrictive Layer (if present) |): | 1 2 |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| 011) | 1 to be and about at the | |
| Fill Norizans have | abrupt, clear boundaries (photo ta | ken to cocument |
| | and the second s | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY Wetland Hydrology Indicato | rs: | |
| Wetland Hydrology Indicato | rs: of one required; check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicato | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicato | of one required; check all that apply) | |
| Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) | of one required; check all that apply) Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicato Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) | of one required; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicato Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | of one required; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
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| Wetland Hydrology Indicato Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | of one required; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) |
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| WETLAND DETERMINATION DATA FORM - | Western Mountains, Valleys, and Coast Region |
|---|--|
| Project/Site: Alber Stadiona City/C | County: Eureha Sampling Date: 9/15/20 |
| Applicant/Owner: Eureka, City Schools | State: CA Sampling Point: TP 19 |
| Investigator(s): South Ster, Son Polly Section | on, Township, Range: <u>NWY Sec. 25, T4N, R1W, HBM</u> |
| Landform (hillslope, terrace, etc.): Athletic tacility till Loca | I relief (concave, convex, none): None Slope (%): 0 |
| Subregion (LRR): A. MLRA - 4B Lat: 40.74 | 91344° Long: -124.156401° Datum: WES 84 |
| Soil Map Unit Name: 257-Lepoil Candy Mtn. Complex | 2-15% Stope NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Y | /es No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly distur | bed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problema | atic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sam | pling 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 A No |
| Remarks: 16in. West at botting case foundation | |

batting case foundation

VEGETATION - Use scientific names of plants.

| 127 | Absolute | Dominant Indicator | Dominance Test worksheet: |
|------------------------------------|----------|--------------------|--|
| Tree Stratum (Plot size:) | % Cover | Species? Status | Number of Dominant Species 7 |
| 1 | | | That Are OBL, FACW, or FAC: |
| 2 | | | |
| | | | Total Number of Dominant 2 |
| 3 | | 1 | Species Across All Strata: (B) |
| 4 | | | Percent of Dominant Species |
| | 1 | = Total Cover | That Are OBL, FACW, or FAC: |
| Sapling/Shrub Stratum (Plot size:) | | | Prevalence Index worksheet: |
| 1 | | | |
| 2 | | | Total % Cover of: Multiply by: |
| 3 | | | OBL species x 1 = |
| 4 | | | FACW species x 2 = |
| 5. | <u> </u> | | FAC species x 3 = |
| | 1 | = Total Cover | FACU species x 4 = |
| Herb Stratum (Plot size:) | | | UPL species x 5 = |
| 1. Paspalum dilatatum | 13 | FAC | Column Totals: (A) (B) |
| 2. Ranunculus repens | 19 | 1 FAC | Prevalence Index = B/A = |
| 3. Holcus lanatus | 4 | FAC | Hydrophytic Vegetation Indicators: |
| 4. Equisetum talmateg | 8 | FACW | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Juncus Effusus | 9 | FACW | 2 - Dominance Test is >50% |
| 6. Cyperus eragrostis | 5 | FACW | 3 - Prevalence Index is $\leq 3.0^1$ |
| 7. Agrostis Stolanifery | 40 | FAL | |
| 8. Trifolium rever | 5 | FAC | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9. JUNCUS Phaesce, Malw | 1 | FACIN | 5 - Wetland Non-Vascular Plants ¹ |
| 10. Lotus configuration | 1 | FAC | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. Cerostrum alomeratian | 1 | TAT | ¹ Indicators of hydric soil and wetland hydrology must |
| Coloring and | TAT | 54 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 100 | = Total Cover 54 | |
| 1 | | Lug | |
| | | | Hydrophytic Verstation |
| 2 | | | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum | - | = Total Cover | |
| Remarks: | | | |
| | | | |
| | | | |
| | | | |

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Sampling Point: TP 19

| Prome Description. (Describe to the de | oth needed to document the indicator or confirm | the absence of mulcators. |
|---|--|---|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-8 543/ 90 | 2.54R2.5410 C PL | SL |
| 8-24+ 56Y 3/1 100 | | |
| 8-61 20111 100 | | |
| | | |
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| | | |
| and the set of an east set there and | | |
| ¹ Type: C=Concentration, D=Depletion, RM | Reduced Matrix, CS=Covered or Coated Sand Gr | ains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to a | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | 3 Martin Martin Martin Martin Martin |
| Thick Dark Surface (A12) | X Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | X |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| | ed; check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roce | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wett | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): <u>N/A</u> No Depth (inches): <u>Sin</u> | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wett | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wett | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, r | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wett | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, r | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wett | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, r | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wett | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |

| WETLAND DETERMINATION DATA FORM - V | Vestern Mountains, Valleys, and Coast Region |
|--|--|
| Project/Site: Alber Stadium City/Ca | punty: Furena Sampling Date: 9/15/20 |
| Applicant/Owner: Europea City Schools | State; CA Sampling Point: TP 20 |
| Investigator(s): Sam Polly, Joseph Saler Section | n, Township, Range: NW Sec. 25, T4N, R1W, HBM |
| | relief (concave, convex, none): NOAP Slope (%): 0-1 |
| Subregion (LRR): A MLRA - 4B Lat: 40.74 | 91358° Long: -124. 56473 Datum: WRS 84 |
| Soil Map Unit Name: 257-Lepoil Condy Mtn. Comple | X 2-15% Shipes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Ye | es X No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturb | ed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problemation | tic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sam | pling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No | X |
| | Is the Sampled Area |
| Wetland Hydrology Present? Yes X No | within a Wetland? Yes No |

Remarks:

| | Absolute | Dominant Indic | |
|--|----------------|-----------------|---|
| Tree Stratum (Plot size:) | <u>% Cover</u> | Species? Stat | us Number of Dominant Species |
| 1 | | | That Are OBL, FACW, or FAC: |
| 2 | | | |
| 3 | | | Total Number of Dominant |
| | s() | | Species Across All Strata: (B) |
| 4 | | | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 5ft) | | = Total Cover | That Are OBL, FACW, or FAC: |
| Sapling/Shrub Stratum (Plot size:) | 7 | 0 | Prevalence Index worksheet: |
| 1. Rubus utsinus | -3 | | Total % Cover of: Multiply by: |
| 2 | · | | OBL species x 1 = |
| 3 | | | FACW species x 2 = |
| 4 | | | FAC species x 3 = |
| 5 | 3 | - T-1-1-0 | FACU species x 4 = |
| Herb Stratum (Plot size:) | | = Total Cover | UPL species x 5 = |
| 1 Scirpus micro curpus | 45 | V OB | |
| 2. Ranúnculus repens | 22 | FAC | |
| 3. Equisetum talmateg | 34 | FAC | Prevalence Index = B/A = |
| 4 Lottus Corniculatus | - | FA | |
| 5 Callsty gig salvatica | 2 | | ∠ X 1 - Rapid Test for Hydrophytic Vegetation |
| | - | | 2 - Dominance Test is >50% |
| 6. Phalaris arundin alles | | FAG | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. stachys girgoides | 4 | 00 | 4 - Morphological Adaptations ¹ (Provide supporting |
| B. Agrostis statenitery | 2 | PA | data in Remarks or on a separate sheet) |
| 9. Crocosnig & crocosniflora | 2 | +A | 5 - Wetland Non-Vascular Plants ¹ |
| 10. Galium apanne | 1 | - FAC | U Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 105 | = Total Cover 5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | | 2 | 1 |
| 1 | | | Hydrophytic |
| 2 | | | Vegetation |
| Ø | 2 | = Total Cover | Present? Yes X No |
| % Bare Ground in Herb Stratum | | - Total Cover | |
| Remarks: | | | |
| Rubus usinus lestha 5% con | | lie at | carcidned dominance. |
| Interest and the ter the 10 can | v w\c | | |
| | | | |
| | | | |

Sampling Point: 7P20

| Profile Desc | ription: (Describe | to the dep | oth needed to docum | ent the | indicator | or confir | m the absen | ce of indicators.) |
|--------------|-----------------------|-------------|--------------------------|------------|-------------------|-------------------|------------------|--|
| Depth | Matrix | | | Feature | 110 | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | _Loc ² | Texture | Remarks |
| 0-3 | 7.5 YR 2.5/1 | 100 | \sim | | _ | | MUL | |
| 3-11 | 2.54 3/1. | 97 | 2.5 YR 2.5/3 | 3 | C | PL | GSL | |
| 11-24+ | 56V3/1 | 100 | | | - | | 5 | |
| 11 61 | -61-11 | 100 | | | · | | | |
| . <u></u> | | | · | | | | | |
| | | · | | | | | 0 | |
| | | | | | | . <u></u> | | |
| | | | | | | | | |
| | V | · | | | | | | |
| 17 0.0 | | lation DM | =Reduced Matrix, CS | -Course | d or Contr | d Sand C | 2 | Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil | Indicators: (Applic | able to all | LRRs, unless other | wise not | ed.) | u Sanu C | Indic | ators for Problematic Hydric Soils ³ : |
| Histosol | | | Sandy Redox (S | | , | | | cm Muck (A10) |
| | pipedon (A2) | | Stripped Matrix | | | | | Red Parent Material (TF2) |
| | istic (A3) | | Loamy Mucky M | | 1) (excep | t MLRA 1 | | /ery Shallow Dark Surface (TF12) |
| | en Sulfide (A4) | | Loamy Gleyed N | Aatrix (F2 | 2) | | _ (| Other (Explain in Remarks) |
| Deplete | d Below Dark Surfac | e (A11) | Depleted Matrix | | | | | |
| | ark Surface (A12) | | X Redox Dark Sur | | | 5 | | ators of hydrophytic vegetation and |
| | Mucky Mineral (S1) | | Depleted Dark S | | | | | etland hydrology must be present, nless disturbed or problematic. |
| | Gleyed Matrix (S4) | | Redox Depress | ons (F8) | | | | less disturbed of problematic. |
| | Layer (if present): | | | | | | | |
| Type: | | | | | | | Hudric S | Soil Present? Yes X No |
| | iches): | | | | | | nyunc a | |
| Remarks: | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| HYDROLO | OGY | | | | | | | |
| Wetland Hy | drology Indicators | | | | | | | |
| | | | ed; check all that apply | /) | | | Se | econdary Indicators (2 or more required) |
| | Water (A1) | | Water-Stai | | ves (B9) (e | except | | Water-Stained Leaves (B9) (MLRA 1, 2, |
| 57 | ater Table (A2) | | - | | and 4B) | | | 4A, and 4B) |
| X Saturati | | | Salt Crust | | | | | Drainage Patterns (B10) |
| | Marks (B1) | | Aquatic Inv | · · | es (B13) | 14.1 | X | Dry-Season Water Table (C2) |
| | ent Deposits (B2) | | Hydrogen | Sulfide C | dor (C1) | | 8 | Saturation Visible on Aerial Imagery (C9) |
| _ | posits (B3) | | Oxidized F | hizosph | eres along | Living Re | oots (C3) | _ Geomorphic Position (D2) |
| | at or Crust (B4) | | Presence | of Reduc | ed Iron (C | 4) | _ | Shallow Aquitard (D3) |
| Iron De | posits (B5) | | Recent Iro | n Reduc | tion in Tille | d Soils (C | C6) | _ FAC-Neutral Test (D5) |
| Surface | Soil Cracks (B6) | | Stunted or | Stresse | d Plants (D | 01) (LRR | A) | _ Raised Ant Mounds (D6) (LRR A) |
| Inundat | ion Visible on Aerial | Imagery (f | 37) Other (Exp | olain in R | emarks) | | | _ Frost-Heave Hummocks (D7) |
| Sparsel | ly Vegetated Concav | e Surface | (B8) | | | | | |
| Field Obser | rvations: | | | | N/A | | | |
| Surface Wa | ter Present? | /es | No X Depth (in | ches): 📃 | VIA | | | 10 |
| Water Table | e Present? | res X | No Depth (in | ches): | 10 in | _ | | |
| Saturation F | Present? | res X | No Depth (in | ches): | Jurtac | 🍋 🛛 We | etland Hydro | logy Present? Yes 🕂 No |
| (includes ca | pillary fringe) | Mar Mar | | - | | | | |
| Describe Re | ecorded Data (stream | n gauge, n | nonitoring well, aerial | photos, p | revious in | spections | s), il available | |
| | | | | | | | | |
| Remarks: | | | | | | - 47 | | |
| | | | | | | | | |
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| | | | | | | | | - |
| | | | | | | | | |

| WETLAND DETERMINATION DATA FOR | RM – Western Mountains, Valleys, and Coast Region 🔶 🕧 |
|--|---|
| Project/Site: Albee Stadium | City/County: Eurelia Sampling Date: 9/15/20 |
| Applicant/Owner: Eurelia GTV Schools | State: A Sampling Point: 79 21 |
| Investigator(s): Joseph Saker, Sam Poly | Section, Township, Range: NWG Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): Hillslope | Local relief (concave, convex, none): None Slope (%): 5% |
| Subregion (LRR): A MLRA - 4B | 0.791537° Long: -124.156800° Datum: WG584 |
| Soil Map Unit Name: 22-Urban and - Halfbluf-Re | asonds Complex 0-5% NWI classification: NONE, |
| Are climatic / hydrologic conditions on the site typical for this time of ye | ear? Yes No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly | v disturbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally pr | oblematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing | g sampling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes X No | |
| Hydric Soil Present? Yes No | Is the Sampled Area |
| Wetland Hydrology Present? Yes No | within a Wetland? Yes <u>No</u> No |

VEGETATION – Use scientific names of plants.

Remarks:

| 30(+ | Absolute Dominant Indicato | r Dominance Test worksheet: |
|--|--|--|
| 1. Salid houser and | <u>% Cover</u> <u>Species?</u> <u>Status</u> | Number of Dominant Species (A) |
| 2 | | Total Number of Dominant |
| 3 | | _ Species Across All Strata: (B) |
| 4 | | Percent of Dominant Species 7 5 1 |
| Sapling/Shrub Stratum (Plot size: 544) | = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: 75% (A/B) |
| 1. RUDU UKSINUS | 20 V HACH | Prevalence Index worksheet: |
| 2 | | Total % Cover of: Multiply by: |
| 3 | | OBL species x 1 = |
| 4 | | FACW species x 2 = |
| | | - FAC species x 3 = |
| 5 | | - FACU species x 4 = |
| Herb Stratum (Plot size:) | = Total Cover | UPL species x 5 = |
| 1 Scirpus microcarpus | 27 V OBL | Column Totals: (A) (B) |
| 2 Stachy 5 adjugaider | 10 067 | |
| 3. Equisetum temateia | 15 FAO | Prevalence Index = B/A = |
| 4. Crocosma & crocosmiflora | IR FAC | Hydrophytic Vegetation Indicators: |
| 5. Athraum tilix-temina | 20 540 | 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% |
| 6. Calistegia Silvatica | - TA - TO | |
| | 10 | _ 3 - Prevalence Index is ≤3.0 ¹ |
| 8 | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10 | | ¹ Indicators of hydric soil and wetland hydrology must |
| - 0(| 10()_= Total Cover 50 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 5++ | | |
| 1. Hedera heily | 3 FACU | |
| 2 | | A Hydrophytic Vegetation |
| | = Total Cover | Present? Yes No |
| % Bare Ground in Herb Stratum5% | | |
| Remarks: | 1 1- | |
| Hederahelix harfers than 5 | % cover and is r | of ansidered dominat. |
| | | |

Sampling Point: TP2

1

| Profile Description: (Describe to the d | epth needed to document the indicator or confirm | the absence of indicators.) |
|--|---|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-6 10YR 2/1 93 | 7.5 YR 2.5/2 5 C PL | L Extremely high organic |
| | 75VR2.5/3 2 C PL | contest J J |
| 7 12 INVO2/1 02 | EVILA O M | |
| 6-13 1011 43 | $-\frac{5}{4}$ | <u> </u> |
| | 2.5 YR 2.54 5 C PL | - |
| 13-24+ 57 4/1 60 | 5V15/1 7 C M | < |
| 13-24 21 11 00 | | |
| | 10YR 4/4 35 C M | |
| | 5VR 3/4 5 C PL | |
| | | |
| | | |
| ¹ Type: C=Concentration, D=Depletion, F | RM=Reduced Matrix, CS=Covered or Coated Sand Gra | ains. 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) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | | , |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| | Redox Depressions (F8) | unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) Restrictive Layer (if present): | | |
| | | |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | × |
| | | |
| | | |
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| | | |
| | | |
| HYDROLOGY | | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| Wetland Hydrology Indicators: | ired: check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Room | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) See (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) te (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) Depth (inches): MA Depth (inches): MA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) Depth (inches):A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): M/A Depth (inches): M/A No Depth (inches): WHA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) Depth (inches): MA Depth (inches): MA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): M/A Depth (inches): M/A No Depth (inches): WHA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): M/A Depth (inches): M/A No Depth (inches): WHA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): M/A Depth (inches): M/A No Depth (inches): WHA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): M/A Depth (inches): M/A No Depth (inches): WHA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): M/A Depth (inches): M/A No Depth (inches): WHA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |

| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|--|
| Project/Site: <u>Albee</u> Stadium <u>City/County: <u>Bureha</u> Sampling Date: <u>9/15/20</u> Applicant/Owner: <u>Europha</u> <u>City/County: <u>Bureha</u> Sampling Date: <u>9/15/20</u> nvestigator(s): <u>Joseph Sale</u>, <u>Sam folly</u> Section, Township, Range: <u>NW4 Sec. 25</u>, <u>T4N</u>, <u>R1W</u>, <u>HBM</u> Landform (hillslope, terrace, etc.): <u>Hillslope</u> Local relief (concave, convex, none): <u>Nove</u> Slope (%): <u>8</u>% Subregion (LRR): <u>A</u>, <u>MLRA</u> - <u>Halfbuff-Recsonds</u> (<u>omplex 0-5% Slopes</u> NWI classification: <u>Nove</u></u></u> |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No No Remarks: No No <t< td=""></t<> |

| 20(1 | Absolute Dominant Indicator | Dominance Test worksheet: |
|--------------------------------------|-----------------------------|---|
| Tree Stratum (Plot size: 30 ++) | % Cover Species? Status | Number of Dominant Species |
| 1. Alow rubge | 10 FACU | That Are OBL, FACW, or FAC: (A) |
| 2. I ex aquitolium | 5 V FACY | |
| 3. Sarbus laucuparia | 3 NL | Total Number of Dominant |
| 1 | | Species Across All Strata: (B) |
| | 10 9 | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 54 | = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| 1. RUDUS OMANACIU | 30 1 500 | Prevalence Index worksheet: |
| | - E - THU | Total % Cover of: Multiply by: |
| 2. Rubus UNSINUS | +ACM | OBL species 15 x 1 = 15 |
| 3. Sambucus racemoso | 40 V PACU | |
| 4. Berberis darwinij | 12 NL | FACW species 20 x 2 = 40 |
| 5. | | FAC species 42 x 3 = 55 |
| 10-27-2010 | 87 = Total Cover 43.5 | FACU species $82 \times 4 = 328$ |
| Herb Stratum (Plot size: 54 | | UPL species 77 x 5 = 85 |
| 1. Lysidaton ancricani | 15 V 081 | Column Totals: 179 (A) 603 (B) |
| | | |
| | - ZU V TACW | Prevalence Index = $B/A = 3.3$ |
| 3. Hagdin aquitipun | - Z - ZACU | Hydrophytic Vegetation Indicators: |
| 4. Athrive thix tening | <u>5</u> <u>-</u> PAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. GOODSMIG × CROROSMITORD | 15 V FAC | 2 - Dominance Test is >50% |
| 6. Calvotesia silvatica | $\overline{2}$ | |
| 7. Je Surveren | | 3 - Prevalence Index is ≤3.0 ¹ |
| | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 59 = Total Cover 14.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 54) | Total Cover TI.8 | |
| 1. Hedera helix | 20 / FA(11 | |
| | | Hydrophytic |
| 2 | | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum 45%* | = Total Cover | |
| % Bare Ground in Hero Stratum | | |
| Remarks: | | |
| איינעודט | 1 (]. | |
| - Towasive, Hopenholix and | Tlex aduitellin | have given tabe upland downand |
| - Invasive Hedrahelix and | | |
| US Army Corps of Engineers | 7 | Western Mountains, Valleys, and Coast - Version 2.0 |

| SOIL | | 0. II | 5 | | Sampling Point: 1P22 |
|--|-------------------------------|--------------------|----------------------|-----------------------|---|
| Profile Description: (Describe to the | depth needed to docume | ent the indicator | or confirm | the absence | of indicators.) |
| | | Features | | | |
| Depth Matrix (inches) Color (moist) % | | %Type ¹ | Loc ² | Texture | Remarks |
| 0-6 10VR 2/2 10 | 0 | | | 1 | |
| 1-12 10 40 2/1 - | 9 IN YR 2/1 | 20 0 | PI | 1 | 8 |
| 6-12 10/12/1 / | 0 10 11 10 | 100 | 11 | <u> </u> | |
| | 7.57K4/4 | CC | re | | |
| 12-18 54 7/2 6 | S 107R 3/6 | 10 C | M | SL | Saturated |
| | 5 424/6 | 51 | PL | | |
| | | 20 - | M | | |
| No Cynt A | 2.57 4/3 | VO C | M | 1= | |
| 18-24+ 2.>74/2 51 | <u> (1574/2</u> | 45 C | m | 45 | Fat |
| | SYR 1/6 | 5 C | PL | | |
| ¹ Type: C=Concentration, D=Depletion, | RM=Reduced Matrix CS= | Covered or Coat | ed Sand Gra | ains. ² Lo | cation: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable t | o all LRRs, unless otherw | vise noted.) | | | ors for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (St | | | 2 C | m Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (| | | | d Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mi | | t MLRA 1) | Ver | y Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed M | | | Oth | er (Explain in Remarks) |
| Depleted Below Dark Surface (A1 | 1) Depleted Matrix (| (F3) | | _ | |
| Thick Dark Surface (A12) | Kedox Dark Surf | | | | ors of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark St | | | | and hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressio | ons (F8) | | unle | ss disturbed or problematic. |
| Restrictive Layer (if present): | | | | | |
| Туре | | | | | X |
| Depth (inches): | | | | Hydric Soi | l Present? Yes 🔼 No |
| IYDROLOGY | | | | | 25 |
| Wetland Hydrology Indicators: | | | 1 | 124 | No. |
| Primary Indicators (minimum of one re- | quired; check all that apply |) | | Seco | ondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stain | ed Leaves (B9) (| except | | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1 | , 2, 4A, and 4B) | | | 4A, and 4B) |
| Saturation (A3) | Salt Crust (| B11) | 100 | 5 | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Inve | ertebrates (B13) | 1820 | X | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen S | Sulfide Odor (C1) | the second second | | Saturation Visible on Aerial Imagery (C9 |
| Drift Deposits (B3) | Oxidized RI | hizospheres alon | Living Roo | ts (C3) | Geomorphic Position (D2) |
| Aigal Mat or Crust (B4) | Presence o | f Reduced Iron (C | :4) | _ | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron | Reduction in Till | ed Soils (C6 | i) | FAC-Neutral Test (D5) |
| Surface Soil Cracks (B6) | Stunted or : | Stressed Plants (| 01) (LRR A) |) | Raised Ant Mounds (D6) (LRR A) |
| Inundation Visible on Aerial Image | ery (B7) Other (Expl | ain in Remarks) | | a pre- | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Surf | face (B8) | | | 1.2 1.32 | |
| Field Observations: | N | | | | |
| Surface Water Present? Yes | NoX Depth (inc | hes): N/A | 11 1 100 | | |
| Water Table Present? Yes | | hes): 18 in | 1 | | |
| Saturation Present? Yes | K No Depth (inc | | Wetla | and Hydrolo | gy Present? Yes <u>X_</u> No |
| (includes capillary fringe) | | | | | |
| Describe Recorded Data (stream gaug | ge, monitoring well, aerial p | hotos, previous ir | spections), | if available: | |
| Remarks: C (1 1 C (2 | 11 | | | _ | |
| Remarks: Saturated @ 12 | 6.90 | | | | |
| | 2. 1 | 0 | Ŧ | | |
| | 18 | | | | - |
| | | | | | - |
| | | | | | |

| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region | | | | | |
|--|---|--|--|--|--|
| Project/Site: Albee Stanium City/County: Eureha | Sampling Date: 9/15/20 | | | | |
| Applicant/Owner: Eugeha City Schools | State: CA Sampling Point: IP 23 | | | | |
| Investigator(s): Dech Section, Township, Range: | NW& Sec. 25, TYN, R1W, HBM | | | | |
| Landform (hillslope, terrace, etc.): | | | | | |
| Subregion (LRR): A, MLRA - 4B Lat: 40.791149° Lot | ng: <u>~124.156769°</u> Datum: <u>W6584</u> | | | | |
| Soil Map Unit Name? 57 Lepoil - Condy Mtn. Complex, 2-15% stope | NWI classification: None | | | | |
| | _ (If no, explain in Remarks.) | | | | |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Norm | nal Circumstances" present? Yes X No | | | | |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed | d, explain any answers in Remarks.) | | | | |
| | | | | | |

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

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

VEGETATION – Use scientific names of plants.

| 3066 | Absolute Dominant Indicator | Dominance Test worksheet: |
|--|--------------------------------|---|
| Tree Stratum (Plot size:) | <u>% Cover Species? Status</u> | Number of Dominant Species |
| 1. Sequeires somewires | 25 - NL | That Are OBL, FACW, or FAC: |
| 2. Salix sighdra | 10 FACW | |
| | | Total Number of Dominant |
| 3. | | Species Across All Strata: (B) |
| 4 | | Percent of Dominant Species 57 1 |
| TEL | 35 = Total Cover 17.5 | Percent of Dominant Species 57% (A/B) |
| Sapling/Shrub Stratum (Plot size: 544) | 2 | |
| 1. RUDUS UNSINUS | 2 FACU | Prevalence Index worksheet: |
| 2. Sambucus raconosa | 25 FACU | Total % Cover of:Multiply by: |
| 3. Ligustrum ovalifolium | 5 NL | OBL species x 1 = |
| 4. Rubu Spectapil | T5 V FAC | FACW species x 2 = |
| 5. | | FAC species x 3 = |
| 3 | 47 = Total Cover 23.5 | FACU species x 4 = |
| Herp Stratum (Plot size: 54) | = Total Cover 9.4 | UPI species x 5 = |
| 1 Polysticum Munitum | 35 V FACU | Column Totals; (A) (B) |
| 2. Crocos mia x crocosmittora | 30 V FAC | Developer la dev. D/A |
| 3. Athrium itilix temina | 18 VEAC | Prevalence Index = B/A = |
| | 4 | Hydrophytic Vegetation Indicators: |
| 4. Holdis anatis | T THE | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Equisition televoteia | FACW | 2 - Dominance Test is >50% |
| 6. | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 96 - 43 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 544) | 86_= Total Cover -12 | |
| Ha doca hatiy | 2 FALL | |
| 1. Hedera helix | 2 1109 | Hydrophytic |
| 2 | <u> </u> | Vegetation |
| | 3 = Total Cover | Present? Yes No |
| % Bare Ground in Herb Stratum | | |
| Remarks: | | |
| Hedera helix not avoidered domin | at loss + 5% | CONT |
| THOUGH THOMAS THAT OPPOTING CO (ANAA) | 100 into 27 . | |
| | | |

US Army Corps of Engineers

far

Sampling Point: TP 23

| Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) | | | | |
|---|--|--|--|--|
| Depth <u>Matrix</u> | Redox Features | Deved | | |
| (inches) Color (moist) % | <u>Color (moist) % Type1 Loc2</u> | Remarks | | |
| 0-5 104K2/2 100 | | <u> </u> | | |
| 5-12 2.544/4 100 | | 12 | | |
| 12-21 54 5/2 70 | 2.544/430 C M | | | |
| 21-21 54 5/7 70 | 1544/4 30 C M | LS Siver saturated liquitred | | |
| Log JIJIL IV | | | | |
| | 3 <u></u> | | | |
| | | | | |
| | | | | |
| | | | | |
| Trues C=Concentration D=Depletion PM | Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. | | |
| Hydric Soil Indicators: (Applicable to al | I LRRs. unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : | | |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) | | |
| Left Histosol (A1) | Stripped Matrix (S6) | Red Parent Material (TF2) | | |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) | | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) | | |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | | | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and | | |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, | | |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. | | |
| Restrictive Layer (if present): | | 1 | | |
| Туре: | | X | | |
| Depth (inches): | | Hydric Soil Present? Yes No | | |
| Remarks | | | | |
| | | | | |
| | | | | |
| HYDROLOGY | | | | |
| | | | | |
| Wetland Hydrology Indicators: | ed; check all that apply) | Secondary Indicators (2 or more required) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C9) (C9) (C9) (C9) (C9) (C9) (C9) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C9) (C9) (C9) (C9) (C9) (C9) (C9) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C9) (C9) (C9) (C9) (C9) (C9) (C9) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C9) (C9) (C9) (C9) (C9) (C9) (C9) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stallow Aquitard (D3) Shallow Aquitard (D3) Stallow And Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): <u>12.5</u> Wetta | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) Shallow Aquitard (D3) Shallow Aquitard (D5) Shallow Additard (D6) (LRR A) Srost-Heave Hummocks (D7) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) Shallow Aquitard (D3) Shallow Aquitard (D5) Shallow Additard (D6) (LRR A) Srost-Heave Hummocks (D7) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): <u>12.5</u> Wetta | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) Shallow Aquitard (D3) Shallow Aquitard (D5) Shallow Additard (D6) (LRR A) Srost-Heave Hummocks (D7) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): <u>12.5</u> Wetta | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) Shallow Aquitard (D3) Shallow Aquitard (D5) Shallow Additard (D6) (LRR A) Srost-Heave Hummocks (D7) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): <u>12.5</u> Wetta | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) Shallow Aquitard (D3) Shallow Aquitard (D5) Shallow Additard (D6) (LRR A) Srost-Heave Hummocks (D7) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): <u>12.5</u> Wetta | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) Shallow Aquitard (D3) Shallow Aquitard (D5) Shallow Additard (D6) (LRR A) Srost-Heave Hummocks (D7) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): <u>12.5</u> Wetta | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) Shallow Aquitard (D3) Shallow Aquitard (D5) Shallow Additard (D6) (LRR A) Srost-Heave Hummocks (D7) | | |

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| WETLAND DETERMINATION DA | ATA FORM We | stern Mou | ntains, Valleys, and Coast Region |
|--|------------------------|------------------------------|--|
| Project/Site: Albee Stadium | City/Cours | ty: Eure) | (0 Sampling Date: 9/15/20 |
| Applicant/Owners Entering (ity Schools | | ly. <u>0000</u> | State: A Sampling Point: TP 24 |
| Investigator(s): Sam POLV, Joseph Salar | | ownshin Ra | nge: NW 4 Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): Hillsope | | | convex, none): None Slope (%): 75% |
| Subregion (LRR): A. MLRA - 4B. | Lat: 40.79 | 149 | Long: -124. 156153" Datum: W&S 84 |
| | molex 2-15 | 7. Slop | |
| Are climatic / hydrologic conditions on the site typical for thi | | | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology | | | Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology | naturally problematic? | (If ne | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | showing sampli | ng point le | ocations, transects, important features, etc. |
| | lo_X | | N |
| | | the Sampled thin a Wetlar | × |
| Wetland Hydrology Present? Yes N Remarks: | | | |
| 4 A NE & TP 23 | | | |
| VEGETATION – Use scientific names of plan | its. | | |
| Tree Stratum (Plot size: 30) | 219/22 | nt Indicator | Dominance Test worksheet: |
| 1. Sed wai a server liner | <u>% Cover</u> Species | ? <u>Status</u> | Number of Dominant Species 2 (A) |
| 2. Salix asianara | 12 2 | FACIN | |
| 3. | | | Total Number of Dominant Species Across All Strata: |
| 4 | | | |
| Sapling/Shrub Stratum (Plot size: 5.17) | <u>42</u> = Total C | over 31 | Percent of Dominant Species That Are OBL, FACW, or FAC: 40% (A/B) |
| 1. Samphicus racenasa | 10 1 | FACU | Prevalence Index worksheet: |
| 2 | | | Total % Cover of:Multiply by: |
| 3 | | | OBL species $\frac{2}{17}$ x 1 = $\frac{2}{211}$ |
| 4 | | | FACW species $1/2$ $x = 34$ FAC species 38 $x = 14$ |
| 5 | | | FAC species 3 x 3 = 14 FACU species 40 x 4 = $6()$ |
| Herth Stratum (Plot size: 554 | = Total C | Cover | UPL species $30 \times 5 = 150$ |
| 1. Crocosmia X crocosmittor a | 30 | FAC | Column Totals: 127 (A) 460 (B) |
| 2. Paystichum Mutum | 30 1/ | FACU | |
| 3. Attacium tix -fining | 8 | FAC | Prevalence Index = B/A = <u>3.6</u> Hydrophytic Vegetation Indicators: |
| 4. Ealization tel mateia | | FACW | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Sciptous Microcarpus | 2 | OBL | 2 - Dominance Test is >50% |
| 6 | | - | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 75 = Total C | over 37.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: | | 15 | |
| 1 | | • • • • • • | Hydrophytic |
| 2 | | | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum 25/ | = Total C | over | |
| Remarks: | | | |
| | | | |

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Sampling Point: TP 24

| Depth Matrix | | Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) | | | | | |
|--|--|---|--|--|--|--|--|
| | Redox Features | | | | | | |
| (inches) Color (moist) % | <u>Color (moist)</u> % <u>Type¹</u> Loc ² | Texture Remarks | | | | | |
| 0-5 OYR 3/2 100 | | <u> </u> | | | | | |
| 5-14 2.54 5/3 98 | SYR4/4 2 C PL | LS | | | | | |
| 14-21 51 5/3 70 | 754R4/4 30 C M | LS Saturated | | | | | |
| 1-24+ IND 5/1 45 | INVR4/3 5 (DI | <u>()</u> | | | | | |
| 21-21 101K 11 13 | IUTE J C FL | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | 2 and the Disperse Links Mathematics | | | | | |
| "Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to all | =Reduced Matrix, CS=Covered or Coated Sand Gra | hins. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solls ³ : | | | | | |
| | | | | | | | |
| Histosol (A1) | Sandy Redox (S5) Stripped Matrix (S6) | 2 cm Muck (A10) Red Parent Material (TF2) | | | | | |
| Histic Epipedon (A2) Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) | | | | | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Cother (Explain in Remarks) | | | | | |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | | | | | | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and | | | | | |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, | | | | | |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. | | | | | |
| Restrictive Layer (if present): | | X | | | | | |
| Туре: | | X | | | | | |
| Depth (inches): | | Hydric Soil Present? Yes A No | | | | | |
| Remarks: | | | | | | | |
| Rsitive AAD read | | | | | | | |
| | | | | | | | |
| HYDROLOGY | | 5 | | | | | |
| Wetland Hydrology Indicators: | du chack all that apply) | Secondary Indicators (2 or more required) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) ∑ Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Stonted or Stressed Plants (D1) (LRR A) (B8) NI/N | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): NA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Mater Table Present? Yes Describe Recorded Data (stream gauge, maintering) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Mater Table Present? Yes Describe Recorded Data (stream gauge, maintering) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Mater Table Present? Yes Describe Recorded Data (stream gauge, maintering) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) | | | | | |

| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region | | | | | |
|---|--|--|--|--|--|
| oject/Site: Albee Stadium City/County: Eurella Sampling Date: 9/15/2 | | | | | |
| plicant/Owner: Eureka City Schools State: CA Sampling Point: TP25 | | | | | |
| restigator(s): Sam Polly, Soston Mer Section, Township, Range: NW & Sec. 25, T4 N, R1W, HBM | | | | | |
| ndform (hillslope, terrace, etc.): Alwin fon Local relief (concave, convex, none): None Slope (%): 3 | | | | | |
| il Map Unit Name: Lepoil- Condy MA. Complex, 2-15% Slopes NWI classification: None | | | | | |
| il Map Unit Name: Lepoil- Condy Mth. Complex, 2-15% Slopes NWI classification: None | | | | | |
| e climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) | | | | | |
| e Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No | | | | | |
| e Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) | | | | | |
| JMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. | | | | | |

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes No Yes No Yes No Yes No | Is the Sampled Area within a Wetland? | Yes No |
|---|---|--|--------|
| Remarks: 31 Ft SW of | 1P 20, 13 ft | NoFTP 26 | |

| 30 | Absolute | Dominant Indicator | Dominance Test workshee | et: |
|------------------------------------|----------------|---------------------------------------|---|--|
| Tree Stratum (Plot size:) | <u>% Cover</u> | Species? Status | Number of Dominant Specie | as 1 |
| 1 | | | That Are OBL, FACW, or FA | |
| 2 | | | | |
| | | | Total Number of Dominant | 1 |
| 3 | | | Species Across All Strata: | (B) |
| 4 | | | Demonst of Demissort Consis | 10-11 |
| | | = Total Cover | Percent of Dominant Specie That Are OBL, FACW, or FA | |
| Sapling/Shrub Stratum (Plot size:) | | | | |
| 1 | | | Prevalence Index workshe | eet: |
| 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 | |
| Herb Stratum (Plot size: 5ft) | | | UPL species | _ x 5 = |
| 1 SGRAND MICROCATPIN | 70 | OBL | Column Totals: | _ (A) (B) |
| 2. Croener gragostis | 3 | FACW | Desustance Index - D | <i>(</i>) _ |
| 3. Flowsrtum arverse | 1 | SAT | | /A = |
| 4. Ranunciulus repas | 10 | FAC | Hydrophytic Vegetation In | |
| | | | A 1 - Rapid Test for Hydro | ophytic Vegetation |
| 5. Ageostic stolowitera | 0 | FAC | 2 - Dominance Test is > | •50% |
| 6. Calvsteria, silvatica | 3 | NL | 3 - Prevalence Index is | |
| 7. Holais anatus 1 | 1 | FAC | | |
| | 5 | FACW | data in Remarks or d | tations ¹ (Provide supporting |
| 8. Equiserun tel Mateia | | | | |
| 9. Stachys ajugoides | 1 | OBL | 5 - Wetland Non-Vascu | lar Plants' |
| 10 | | | Problematic Hydrophyti | c Vegetation ¹ (Explain) |
| 11 | 412.00 | | ¹ Indicators of hydric soil and | wetland hydrology must |
| | 105 | = Total Cover 52.5 | be present, unless disturbed | or problematic. |
| Woody Vine Stratum (Plot size:) | 100 | - Total Cover-1 | * | |
| 1 | | | Hydrophytic 🔨 | |
| 2 | | | Vegetation | / |
| | - | | Present? Yes | No |
| % Bare Ground in Herb Stratum | | = Total Cover | | |
| Remarks: | | | | |
| i vinuno. | | | | |
| | | | | |
| | | | | |
| | | | | |

SOIL

Sampling Point: TP 25

| SOIL | | |
|--|---|--|
| Profile Description: (Describe to the dept | th needed to document the indicator or confirm | the absence of Indicators.) |
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-8 104×2/2 100 | | h |
| 8-16 254 3/2 05 | EVR 3/4 5 C PL | SL. |
| 10 1251 07 | 5012/1 2 0 M | |
| 16-18 N 2.3/ 87 | 2013/11 2 0 11 | JL |
| | 7.54R4/6 10 C M | |
| 8-24+10Y3/1 00 | | 5 |
| 10 10/0/10 100 | | |
| | | |
| | | |
| | | |
| ¹ Type: C=Concentration D=Depletion RM= | Reduced Matrix, CS=Covered or Coated Sand Gra | nins. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all | | Indicators for Problematic Hydric Soils ³ : |
| | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histosof (A1) Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | _ 、, |
| Thick Dark Surface (A12) | X Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (If present): | | |
| Туре: | | A |
| Depth (inches): | | Hydric Soil Present? Yes X_ No |
| Remarks: | | |
| Remarks: | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| | t shall all that apply) | Secondary Indicators (2 or more required) |
| Primary Indicators (minimum of one required | | |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | Z Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Living Root | ts (C3) Geomorphic Position (D2) |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled Soils (C6) |) X FAC-Neutral Test (D5) |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1) (LRR A) | Raised Ant Mounds (D6) (LRR A) |
| Inundation Visible on Aerial Imagery (B | 7) Other (Explain in Remarks) | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Surface (| B8) | |
| Field Observations: | x | |
| | No X Depth (inches): NA | |
| | No Depth (inches): | 1 |
| | | and Hydrology Present? Yes 📈 No |
| Saturation Present? Yes (includes capillary fringe) | No <u>X</u> Depth (inches): <u>1610</u> Wetla | ina nyarology Present r res / No |
| Describe Recorded Data (stream gauge, mo | onitoring well, aerial photos, previous inspections), i | if available: |

Remarks:

| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|---|
| Project/Site: Albee Statium City/County; Eurelia Sampling Date: 9/15/20 |
| Applicant/Owner: Euroka City Schools State; CA Sampling Point: 1026 |
| Investigator(s): Som Polly Josep Daler Section, Township, Range: NW4 Sec. 25, T4N, RIW, HBN |
| Landform (hillslope, terrace, etc.): Fill Local relief (concave, convex, none): None Slope (%): 2 |
| Subregion (LRR): A, MURA - 4B Lat: 40.791306° Long: -124, 156541° Datum: W6584 |
| Subregion (LRR): A, MLRA - 4B Lat: 40.791306° Long: 124, 156541° Datum: W6584 Soil Map Unit Name: 2001 - Condy Mtn. Complex, 2-15% Slopes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. |
| |

| Hydrophytic Vegetation Present? | Yes No | | \backslash 1 |
|---------------------------------|----------|--------------------------|----------------|
| Hydric Soil Present? | Yes NoX | Is the Sampled Area | X |
| Wetland Hydrology Present? | Yes No | within a Wetland? Yes No | |
| Remarks: 37 H N | of tp 27 | | |

| | Absolute | Dominant Indicator | Dominance Test worksheet: |
|-----------------------------------|----------------|--------------------|---|
| Tree Stratum (Plot size:) | <u>% Cover</u> | Species? Status | Number of Dominant Species |
| 1 | | | That Are OBL, FACW, or FAC: (A) |
| 2 | | | Total Number of Dominant |
| 3 | | | Species Across All Strata: (B) |
| 4 | | | |
| Sapling/Shrub Stratum (Plot size: | 1 | = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| | | | Prevalence Index worksheet: |
| 1 | | | Total % Cover of: Multiply by: |
| 3 | | | OBL species x 1 = |
| 4 | | | FACW species x 2 = |
| 5. | <u> </u> | | FAC species x 3 = |
| | $\overline{}$ | = Total Cover | FACU species x 4 = |
| Herb Stratum (Plot size: 544) | - | - Total Cover | UPL species x 5 = |
| 1 Scirpus Microcorpus | 45 | V OBL | Column Totals: (A) (B) |
| 2 Equisetion telmateia | 10. | FACW | Prevalence Index = B/A = |
| 3. Fistura perenis | 12 | FAC | Hydrophytic Vegetation Indicators: |
| 4. Agrostis Istalontera | 10 | FAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. festica, annairalea | 13 | FAC | _ 2 - Dominance Test is >50% |
| 6. Ranuncielus repers | 22 | FAC | 3 - Prevalence Index is < 3.01 |
| 7. | | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| ~ | 112 | = Total Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | | 21.4 | |
| 1 | | | Hydrophytic |
| 2 | | | Vegetation X |
| % Bare Ground in Herb Stratum | 1 | = Total Cover | Present? Yes <u>No</u> No |
| | | | |
| Remarks: | | | |
| | | | |
| | | | |
| | | | |

Sampling Point: TP26

| | th needed to document the indicator or confirm | the absence of indicators.) |
|---|--|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | <u>Color (moist)</u> % <u>Type¹</u> Loc ² | Texture Remarks |
| 0-4 104R2/1 00 | | GrSL Hydrophobic |
| 4-17 10YR 2/1 100 | | SL III |
| 17-24+ 10 2.5/1 85 | 10VR 3/4 15 C PL | LS |
| The West of | | |
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| l | | |
| | | |
| | | |
| | | 2 anotion: PI = Poro Lining M=Motrix |
| Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to all | =Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| | | 2 cm Muck (A10) |
| Histosol (A1) Histic Epipedon (A2) | Sandy Redox (S5) Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | X |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | 4 u |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | h- | |
| | | |
| Wetland Hydrology Indicators: | | Consider to the test of the second se |
| Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) |
| Primary Indicators (minimum of one require Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches):A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): Depth (inches): Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
| Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
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| Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Gaturation Present? Yes Saturation Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): Depth (inches): Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
| Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): Depth (inches): Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
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| Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): Depth (inches): Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No X |

| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|---|
| Project/Site: Albee Stadium City/County: Eureha Sampling Date: 9/15/20 |
| Applicant/Owner: Eureka (ity Schools State: CA Sampling Point: TP27 |
| Investigator(s): Desch alt, Som 16 1, Section, Township, Range: NW4 Sec. 25, T4N, R1W, HBM |
| Landform (hillslope, terrace, etc.): Alwighton Willope Local relief (concave, convex, none): None Slope (%): 3 |
| Subregion (LRR): A: MLKA-4B Lat: 40.79 153 Long: -124. 1565 50° Datum: W65 84 |
| Soil Map Unit Name: Lepoil - Condy Mtn. Complex, 2-15% spyes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes X No |

| Hydropnytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes Yes Yes | Is the Sampled Area within a Wetland? | Yes | No |
|---|-------------------|---------------------------------------|-----|----|
| Remarks: 18 Ft Not TP | 28 | | | |

| | Absolute | Dominant | | Dominance Test worksheet: |
|---|----------------|-------------|--------|---|
| Tree Stratum (Plot size:) | <u>% Cover</u> | 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 Co | ver | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size: 5ff) | | | 1000 | |
| 1. RUBUS ATMENIACUS | 2 | | FAC | Prevalence Index worksheet: |
| 2 | | | | Total % Cover of:Multiply by: |
| 3 | | | | OBL species x 1 = |
| | | | | FACW species x 2 = |
| 4 | | | | FAC species x 3 = |
| 5 | 0 | | | FACU species x 4 = |
| Herb Stratum (Plot size: 544) | L | = Total Co | ver | UPL species x 5 = |
| 1. SCIPUS M. CroCarpus | 16 | | OBL | Column Totals: (A) (B) |
| | 20 | | EL- | |
| 2. Festuca perennis | - | <u>×</u> _ | 1AC | Prevalence Index = B/A = |
| 3. pactolis glomerata | <u> </u> | | FACU | Hydrophytic Vegetation Indicators: |
| 4. Agrostis stolen Hery | 13 | | FAC | X 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Ranunculars repens | 14 | | FAC | 2 - Dominance Test is >50% |
| 6. Equisetum arvense | 5 | | FAC | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Talrax acum offichalo | 1 | | FACU | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Hollus langtus | 3 | | FAC | data in Remarks or on a separate sheet) |
| 9. Happohagris, radicate | 2 | | FACU | 5 - Wetland Non-Vascular Plants ¹ |
| 10. Festura arundinacea | 7 | _ | FAC | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. Calvateria Silvatica | 1 | | NL | ¹ Indicators of hydric soil and wetland hydrology must |
| | 102 | = Total Cov | 51 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 106 | - 10(2) 000 | 26.4 | |
| 1 | | | | Hydrophytic |
| 2 | | | | Manatation V |
| N | | = Total Cov | | Present? Yes No |
| % Bare Ground in Herb Stratum | | | 0 | <u> </u> |
| Remarks: | - | | | |
| Rubus armeniacus not consideren |)) | inst. | last | 51 |
| it with a lateration i les reputited | O dru | man 1 | 100 1 | MAN 17. COVER. |
| | | | | |

US Army Corps of Engineers

No.

Sampling Point: 1027

| Profile Description: (Describe to the de | oth needed to document the indicator or confirm | the absence of indicators.) |
|---|--|---|
| Depth Matrix | Redox Features Color (moist) % Type ¹ Loc ² | Texture Remarks |
| $\frac{\text{(inches)}}{O}$ $\frac{Color(moist)}{O}$ $\frac{\%}{100}$ | <u>Color (moist)</u> % <u>Type</u> ¹ Loc ² | |
| 0-4 10482/1 100 | | GrJL Hydrophobic |
| 4-17 10VR 2/1 100 | | |
| 17-24+ 10 1 2.5/ 1 85 | 10 YR3/4 15 C PL | |
| | | |
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| | | |
| | | |
| | | · |
| ¹ Type: C=Concentration, D=Depletion, RM | I=Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to al | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loarny Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | 3) dischars of hudson hudson sector and |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) Redox Depressions (F8) | unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) Restrictive Layer (if present): | | |
| | | |
| Type: | | Hydric Soll Present? Yes No |
| Depth (inches): Remarks: | | |
| Nondario. | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one require | ed; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Living Root | ts (C3) Geomorphic Position (D2) |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled Soils (C6) | |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1) (LRR A) | |
| Inundation Visible on Aerial Imagery (I | | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Surface | (B8) | |
| Field Observations: | × N/A | |
| Surface Water Present? Yes | No Depth (inches): | |
| Water Table Present? Yes | No Depth (inches):/ | |
| Saturation Present? Yes | No X Depth (inches): W/A Wetla | and Hydrology Present? Yes No 🔼 |
| (includes capillary fringe) | conitoring well aprici shotog provinus inspections) | f available: |
| Describe Recorded Data (stream gauge, n | nonitoring well, aerial photos, previous inspections), i | i availabit. |
| | | |
| Remarks: | | |
| | 74 | |
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| | | 244 g |
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| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|--|
| Project/Site: Albee Stadium City/County: Eurpha Sampling Date: 9/15/20 |
| Applicant/Owner: Eureka City Schools State; (A Sampling Point: TP 28 |
| Investigator(s): Joseph Daler, Jam Polly Section, Township, Range: NWY Sec. 25, TYN, R1W, HBM |
| Landform (hillslope, terrace, etc.): +11.5 ope Local relief (concave, convex, none): None Slope (%): 3 |
| Subregion (LRR): A MLRA - 48 Lat: 40.791114 Long: -124.156550 Datum: W6584 |
| Soil Map Unit Name: 257-Lepoil Candy Mtn. Complex, 2-15% Slokes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes X No |
| Hydric Soil Present? Yes No Xer Is the Sampled Area within a Wetland? Yes No |
| |
| Remarks: Near trail bese where 2 channels meet below pen insula will rund on it |
| Remarks: Near trail base where 2 channels meet below peninsula without and an it within meadow ~7'N. of stream 8ftN: of TP 29 |
| VEGETATION – Use scientific names of plants. |
| Tree Stratum (Plot size: 30 ff) Absolute Dominant Indicator Species? Status Number of Deminant Deminant Construction (20 ft) |

| Tree Stratum (Plot size:) | % Cover Species? Status | Number of Dominant Species |
|-----------------------------------|-------------------------|--|
| 1. Scanoia Sempervires | 25 V NL | That Are OBL, FACW, or FAC: (A) |
| 2 | | Total Number of Dominant |
| 3, | | Species Across All Strata:(B) |
| 4 | | |
| | 25 = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B) |
| Sapling/Shrub Stratum (Plot size) | 0 | Prevalence Index worksheet: |
| 1 | | Total % Cover of: Multiply by: |
| 2 | | |
| 3 | | OBL species x 1 = |
| 4 | | FACW species x 2 = |
| 5 | | FAC species x 3 = |
| C | = Total Cover | FACU species x 4 = |
| Herb Stratum (Plot size: 5ff)) | | UPL species x 5 = |
| 1. Konunculu repup | 30 V +AC | Column Totals: (A) (B) |
| 2. Sciepus MUSOCAPPUS | 20 UBL | Prevalence Index = B/A = |
| 3. Stachys a jugoides | 5 QBL | Hydrophytic Vegetation Indicators: |
| 4. Holcis/ anothers | 3 FAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Gairma a Darine | 1 FACU | Z 2 - Dominance Test is >50% |
| 6. Agrostis Jtoppiera | 50 FAC | $3 - Prevalence Index is \leq 3.0^{1}$ |
| 7. | | |
| 8 | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| N | = Total Cover 51.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 21.8 | |
| 1 | | Hydrophytic |
| 2 | | Vegetation |
| % Bare Ground in Herb Stratum | = Total Cover | Present? Yes <u>No</u> No |
| Remarks: | | |
| | | |
| | | |

| SOIL |
|------|
|------|

Sampling Point: TP 28

1

| Frome Description. (Describe to me | depth needed to document the indicator or confi | rm the absence of indicators.) |
|---|---|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Remarks |
| 0-9 104R2/2 100 | 1.1.1 | L |
| 9-20 10 18 3/1 91 | 10483/3 5 C P1. | SL KI |
| 120116 2 | | |
| | | |
| 34R 3/4, L | | |
| 20-24+ 2.542.5/1 98 | 107R 3/6 2 C PL | - 56 |
| | | |
| · · · · · · · · · · · · · · · · · · · | | |
| 2 | | |
| | | |
| ¹ Type: C=Concentration, D=Depletion, | RM=Reduced Matrix, CS=Covered or Coated Sand | Grains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to | all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11 | | ³ Indicators of hydrophytic vegetation and |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | wetland hydrology must be present, |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) Redox Depressions (F8) | unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) | | |
| Restrictive Layer (if present): | | |
| Туре: | | Hydric Soil Present? Yes No |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| | | |
| | | |
| Wetland Hydrology Indicators: | ······ | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec | 14.10 | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one recomposition) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) ↓ ↓ Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) ↓ ↓ Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR y (B7) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Goots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) A A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second seco | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR y (B7) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Goots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) A A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second seco | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR y (B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Goots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) A A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second seco | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR y (B7) Other (Explain in Remarks) ce (B8) No Depth (inches):A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Goots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) A A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second seco | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR y (B7) Other (Explain in Remarks) ice (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Coots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) (C6) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second seco | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR y (B7) Other (Explain in Remarks) tee (B8) No Depth (inches): Depth (inches | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Goots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) A A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second seco | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second seco | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR y (B7) Other (Explain in Remarks) ice (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second experiment) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second seco | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second experiment) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second experiment) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction of the second experiment) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |

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| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
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| roject/Site: Albee Stadium City/County: Eurela Sampling Date: 9/16/20 |
| pplicant/Owner: burchy City Schools State: CA Sampling Point: TP 29 |
| vestigator(s): Joseph Saler, Sam, Bally Section, Township, Range: NW4 Sec. 25, T4N, R1W, HBM |
| andform (hillslope, terrace, etc.): Borton a will be Local relief (concave, convex, none): Concave Slope (%): 0-1 |
| ubregion (LRR): A, MLRA - 4B Lat: 40.791099 Long: -124.156566 Datum: W6584 |
| oil Map Unit Name: 237- Legoil Candy Mtn. Complex, 2-157. Slafes NWI classification: None |
| re climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) |
| re Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 📈 No |
| re Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| UMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No |
| Hydric Soil Present? Yes No Is the Sampled Area |
| Wetland Hydrology Present? Yes No within a Wetland? Yes No |
| Remarks: Qft Not TP 30 h Stream near base of U:ds' trail through Ruds |

Ø.

| Tree Stratum (Plot size: 30 ft) | Absolute | Dominant Indicator | Dominance Test worksheet: |
|------------------------------------|----------|--------------------|---|
| | | Species? Status | Number of Dominant Species |
| 1. Seguaia Semper virens | 70 | V NL | That Are OBL, FACW, or FAC: (A) |
| 2 | | | Total Number of Dominant |
| 3 | | | Species Across All Strata: |
| 4 | | | |
| Sapling/Shrub Stratum (Plot size:) | 70 | = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: 75% (A/B) |
| 1 | | | Prevalence Index worksheet: |
| 2 | | | Total % Cover of: Multiply by: |
| 3. | ÷; | | OBL species x 1 = |
| | <u> </u> | | FACW species x 2 = |
| 4 | | | FAC species x 3 = |
| 5 | | | FACU species x 4 = |
| Herb Stratum (Plot size: | | = Total Cover | UPL species x 5 = |
| 1. Stychns ajuguides | 18 | V OBL | Column Totals: (A) (B) |
| 2. Equisetum talmatera | 35 | FACW | |
| 3. Athyrium felix-feming | 1 | FAC | Prevalence Index = B/A = |
| 4. Scirpus milrocaroul | 30 | VOBL | Hydrophytic Vegetation Indicators: |
| 5 Raninguis repais | | EAC. | 1 - Rapid Test for Hydrophytic Vegetation |
| 6. | | | Z 2 - Dominance Test is >50% |
| | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 8 | | | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | (#) | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. | - | | ¹ Indicators of hydric soil and wetland hydrology must |
| | an | = Total Cover 45 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | -112 | - Total Cover 11 | |
| 1 | | | Hydrophytic |
| 2 | | | Vegetation |
| | 1 | = Total Cover | Present? Yes 🔼 No |
| % Bare Ground in Herb Stratum | | | |
| Remarks: | | | |
| Muck | | | |
| | | | |
| | | | |

Sampling Point: <u>TP29</u>

| Profile Description: (Describe to the dep | th needed to document the indicator or confirm | the absence of indicators.) |
|---|---|---|
| Depth Matrix | Redox Features | Durada |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-7 104R212100 | | |
| 7-24+51 3/1 75 | 104R2/1 20 C M | SL |
| | 10641 5 D M | |
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| | | |
| ¹ Type: C=Concentration D=Depletion RM | Reduced Matrix, CS=Covered or Coated Sand Gra | ains. 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) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Kedox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | 1 |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes <u>No</u> |
| Remarks: | | |
| | | |
| | | |
| | | |
| | 1 | |
| HYDROLOGY | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | d: check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4Å, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) → Drainage Patterns (B10) → Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
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| WETLAND DETERMINATION DATA FORM - Western Mou | ntains, Valleys, and Coast Region |
|---|--|
| Project/Site: <u>Albee Stadium</u> City/County: <u>Eure</u> | ka Sampling Date: 9/16/20 |
| Applicant/Owner: Eurelig Gity, Schools | State;ASampling Point:730 |
| | Ige: NW & Sec. 25, TYN, RIW, HBM |
| | convex, none): None Slope (%): 20 |
| Subregion (LRR): A, MLRA - HB, Lat: 40.791081 | Long: -124.156584° Datum WGS 84 |
| | Slafes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No_ | |
| | Normal Circumstances" present? Yes X No |
| | eded, explain any answers in Remarks.) |
| | |
| SUMMARY OF FINDINGS – Attach site map showing sampling point to Hydrophytic Vegetation Present? Yes No | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Is the Sampled | Area |
| Wetland Hydrology Present? Yes No X within a Wetlan | |
| Remarks: 41 uphill of stream in Equisetim bed @ | base of kids frail down |
| Remarks: 41 uphill of stream in Equisetion bed @ through Rudgrove in SW Camp of area | (w. of trail) |
| VEGETATION – Use scientific names of plants. | |
| Absolute Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size: 2017) % Cover Species? Status | Number of Dominant Species |
| Sequeia sempervires 75 V NL | That Are OBL, FACW, or FAC: (A) |
| 3. | Total Number of Dominant Species Across All Strata: 3 (B) |
| 4 | |
| <u>15</u> = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: |
| 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 = |
| = Total Cover | FACU species x 4 = UPL species x 5 = |
| Herb Stratum (Plot size: 247) 1. Equised in Felmine 50 V FACW | Column Totals: (A) (B) |
| 2 Skirpus Migrocyrpus 25 VOBL | |
| 3. Helever tonatus r 5 FAC | Prevalence Index = B/A = Hydrophytic Vegetation Indicators: |
| 4. Athxnivin filix-temina 5 FAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Cracesnia × crocestniflara 2 FAC | Z 2 - Dominance Test is >50% |
| 6, | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8, | data in Remarks or on a separate sheet) |
| 9 | 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10 11 | ¹ Indicators of hydric soil and wetland hydrology must |
| ST = Total Cover 43.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | |
| 1 | Hydrophytic |
| 2 | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum | |
| Remarks: | |
| Redwood dutt | |
| | |

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| | | the |
|---|--|---|
| SOIL | | Sampling Point: TP30 |
| Profile Description: (Describe to the dep | th needed to document the indicator or confirm | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Redox Features Color (moist) % Type ¹ Loc ² //////////////////////////////////// | Texture Remarks Roots Thick reduced root not L Lorge Volume of decomporing fine Reduce SCL |
| ¹ Type: C=Concentration, D=Depletion, RM Hydric Soll Indicators: (Applicable to all Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) | Reduced Matrix, CS=Covered or Coated Sand Gra LRRs, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. |
| Restrictive Layer (if present): Type: Depth (inches): | | Hydric Soil Present? Yes No |
| | 54r 2.5/4 in 12-18 horizon | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| Driver a ladiesters (minimum of one require | d, shook all that apply) | Secondary Indicators (2 or more required) |

| Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) |
|--|--|
| Surface Water (A1) Water-Stained Leaves (B9) (exc | cept Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| Saturation (A3) Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) Aquatic Invertebrates (B13) | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) Oxidized Rhizospheres along Li | iving Roots (C3) Geomorphic Position (D2) |
| Algal Mat or Crust (B4) Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) Recent Iron Reduction in Tilled | Soils (C6) X FAC-Neutral Test (D5) |
| Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) |) (LRR A) Raised Ant Mounds (D6) (LRR A) |
| Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Surface (B8) | |
| Field Observations: | |
| Surface Water Present? Yes No X Depth (inches):A | 7. |
| Water Table Present? Yes No X Depth (inches): | |
| Saturation Present? Yes No X_ Depth (inches):N/A | _ Wetland Hydrology Present? Yes No |
| (includes capillary fringe) | |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe | ections), if available: |
| J4 | |
| Remarks | |
| | |
| | |
| | Δ. |
| 1 | |

| Projectistic: Alloc Frank Mm Cip/County: EMPLoy A Sampling Date: 91/0/20 State: Sampling Date: Gip/County: EMPLoy A Sampling Date: 91/0/20 State: Sampling Date: Gip/County: EMPLoy A Sampling Date: 91/0/20 State: Sampling Date: Gip/County: EMPLoy A Sampling Date: 91/0/20 State: Sampling Date: Gip/County: Sampling Date: 91/0/20 Sampling Date: 91/0/20 State: Sampling Date: Gip/County: Sampling Date: 91/0/20 Sampling Date: 91/0/20 Sampling Date: Gip/County: Sampling Date: Mo (ff needed, axplint may navers in Remarks.) SumMARY OF FINDINGS - Attach site map showing sampling Doint locations, transects, important features, etc. No within a Waitand Hydrophytic Vogetation Present? Yee No within a Waitand Yee No Velocity: Yee No within a Waitand Yee No Yee No Hydrophytic Vogetation Present? Yee No within a Waitand Yee No Yee | WETLAND DETERMINATION I | DATA FORM – Western M | ountains, Valleys, and Coast Region |
|--|---|---|--|
| Applicative State: CA Samples point: TP231 Investigator(s): DSCI Data All Color Section, Township, Range: NWA Soc.25, T141, E1W, E1W, HBM Subregion (LRR): All Color Data Section, Township, Range: NWA Soc.25, T141, E1W, E1W, MBM Subregion (LRR): All Color Data Soc.25, T141, E1W, MMM Soc.25, T141, E1W, MMM Subregion (LRR): All Color Data MMM Soc.25, T141, E1W, MMM ver Vegatation , Sol or Hydrology significantly disturbed? No (ff no.explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. No within a Wetland? No No Hydrophylic Vergatation Present? Yes No within a Wetland? Yes No No Vectand Hydrology Present? Yes No within a Wetland? Yes No No No No 2.5.0.100 / Division Soc.201 / Division Soc.201 / Division Soc.201 / Division No | Alle Ala | | |
| Investigator(s): DSE() Section, Township, Range: Multiple Sign (%): < | | City/County: | |
| androm (vilialope, turnes eiter, HillStore) Lacer traiter (conceue, convex, norse) New Section (LRR): A MLRA - B Let 40.790 422 Long: 124.156.51 Datam: Widds P Statume (internet) Lacer traiter (conceue, convex, norse) New Section (LRR): A MLRA - B Let 40.790 422 Long: 124.156.51 Datam: Widds P Statume (internet) Lacer traiter (conceue, convex, norse) New Section (LRR): A MLRA - B Let 40.790 422 Long: 124.156.51 Datam: Widds P Long: 124.156.51 Datam: Vidds P Long: 124.156.51 Datam: Species 25.157.157.51 Datam: Species 25.157.51 Datam: Spe | | | |
| Subregion (LRR): A. M.R.A4.B Lat: -40.790424* Long: -124.155510* Datum: WGS A Solid Map Unit Name: 2571_2021 Candy Mth. Complex, 2-157. Skpc Not classification: Note: Not Vac climatic hydrologic conditions on the sile typical for this time of year? Yes No No No No Vac Vegetation Solid or Hydrology naturally problematic? (If no, explain in Remarks.) No No SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrohydic Vegetation No Is the Sampled Arsa within a Watiand? No No </td <td></td> <td></td> <td>Hunger</td> | | | Hunger |
| Soil Map Unit Name: 257-12001 and Mith. Complex, 2-157. Shors NWI classification: None the climatic / hydrologic conditions on the ate typical for this time of year? Yeas No | | | |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No | | AAL CIL O IE N | |
| Are Vegetation Soll or Hydrology significantly disturbed? Are "Nomal Circumstances" present? Yes No SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Hydrophytic Vegetation Present? Yes No Vetand Hydrology Present? Yes No 2. Solution Absolute Dominant Indicator 3. Solution Absolute Dominant Indicator 3. Solution Solution Solution Solution 3. Solution Solution Solution Solution 4. Solution Solution Solution Solution 5. Solution Solution Solution Solution 6. | | the second se | Slepts NWI classification: NONC |
| Via Vegetation | Are climatic / hydrologic conditions on the site typical for | | |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Hydrophytic Vegetation Present? Yes No Wetland Hydrophytic Vegetation Present? Yes No Remarker Vary UPh:11 of Rund an Perurs No Is the Sampled Area No Wetland Hydrophytic Vegetation Present? Yes No Remarker Vary UPh:11 of Rund an Perurs No Is the Sampled Area No Vetland Hydrophytic Vegetation Present? Yes No Vetland Hydrophytic Vagetation Present? Yes No Remarker Vary UPh:11 of Rund an Perurs No Dominant Indicator Number of Dominant Species 1. Species Area With An Vet1 Absolute Dominant Species That Are OBL, FACW, or FAC: (A) 2. Sequelistic Arther Vet1 Species Area Withow Net2 (A) Species Area Withow Net2 (A) 3. Horitow Reverse: Species Area Withow Net2 Species Area Withow Net2 (A) (A) 4. Species Area Withow Net2 Species Area Withow Net2 (A) (A) (A) 5. Septimis Stratum (Pot size: SA Species Area Area Species (A) <t< td=""><td></td><td></td><td>re "Normal Circumstances" present? Yes No</td></t<> | | | re "Normal Circumstances" present? Yes No |
| Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? No Hydrophytic Vegetation Present? Yes No within a Wetland? Yes No Remarker Vary uph: If and a penness of plants. No Dominance Test worksheet: No Tree Stratum Plot size: 30/4 Absolute Dominant Indicator Nomer of Dominant Species That Are OBL, FACW, or FAC: (A) 2. Sedupting Stratum Plot size: 54/4 5 For and Cover 315 That Are OBL, FACW, or FAC: (A) 3. Saping/Shub Stratum (Por size: 54/4 5 For and Cover 315 Percent of Dominant Species 33 // (A/B) 1. Subdat Arthon Value 5 FAC Fac Total Number of Dominant Species 33 // (A/B) 2. Subdat Arthon Value 5 FAC Fac Total Scower 31 Stratum 3. 4 5 Fac Fac Scower 32 Multiply by: (A) Scower 32 Multiply by: (A) Scower 32 Scower 32 Scower 32 Scower 32 Scower 32 Scower 32 Scower 32 <t< td=""><td>Are Vegetation, Soil, or Hydrology</td><td>_ naturally problematic? (If</td><td>f needed, explain any answers in Remarks.)</td></t<> | Are Vegetation, Soil, or Hydrology | _ naturally problematic? (If | f needed, explain any answers in Remarks.) |
| Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? Yes No Remarks Vary Uphill of Rund an personal of plants. Is the Sampled Area within a Wetland? Yes No // EGETATION - Use, scientific names of plants. Absolute Dominant Indicator Science of Dominant Indicator Science of Dominant Species Ominance Test worksheet: Number of Dominant Species 1 Sampling/Shrub Stratum (Plot size: SAF SAF (B) 2 Schwid America Wary Uphill of Receiver Strate Sampling/Shrub Stratum (Plot size: SAF (B) 3 Sampling/Shrub Stratum (Plot size: SAF SAF (B) Percent of Dominant Species SA (C) 4 Sampling/Shrub Stratum (Plot size: SAF (C) SAF (C) (C) 5 | SUMMARY OF FINDINGS – Attach site ma | p showing sampling poin | t locations, transects, important features, etc. |
| Type Type No within a Wetland Hydrology Present? No Remarks: Vag Vph.ill d. Rund au perus 44 a, ot pages Page 4 Page 4 Remarks: Vag Vph.ill d. Rund au perus 44 a, ot pages Page 4 Page 4 Remarks: Vag Vag Vph.ill d. Rund au perus 44 a, ot page 4 Page 4 Remarks: Vag Vag Vph.ill d. Rund au perus 44 a, ot page 4 Page 4 Remarks: Vag Vag Vph.ill d. Rund au perus 44 a, ot page 4 Page 4 Remarks: Vag Vag Vag Vag (A) Remarks: Vag Vag Vag (A) Remarks: Vag Vag (A) (A) Remarks: Vag (Page 4 (A) (A) Remarks: Vag (Page 4 (A) (A) Remarks: Vag (Page 4 (Page 4 (Page 4 Remarks: (Page 4 (Page 4 (Page 4 (Page 4 Remarks: (Page 4 (Page 4 (Page 4 (Page 4 | | In the Comm | |
| Present | | within a Wor | X |
| VEGETATION - Use scientific names of plants. Tree Stratum (Plot size: 30 A 1 Absolute Species? Status Species? Status Species? Status Species? Status AA 2 Sequence Index (Nor FAC: 100 minant Species 200 min | | | |
| Tree Stratum Plot size: 304 Absolute Dominant Indicator Dominant Processor 1. Science Signed Signed Signed Signed Signed (A) 2. Sequeric Signed Signed Signed Signed (A) 3 | Vay up . I of Kund on p | ansua, a bas | te of Danglas fir |
| Tree Stratum Plot size: 304 Absolute Dominant Indicator Dominant Processor 1. Science Signed Signed Signed Signed Signed (A) 2. Sequeric Signed Signed Signed Signed (A) 3 | × | | J |
| Tree Stratum (Plot size: 304) 3 3 2 2 (A) 1. Source (A) (A) (A) (S) (S) 3 1 | /EGETATION – Use scientific names of pla | ants. | |
| 1. Solution of a minimul species 2 (A) 2. Sequencia Solution Solut | Tree Stratum (Plot size: 30£1) | | |
| 2. Sequencies | | 30 PACY FACY | Number of Dominant Species |
| 3. Ida Number of Dominant Species Across All Strata: 6 6 6 9 | | TS V NL | |
| 4 4 4 = Total Cover 215 Percent of Dominant Species 33 '/, (AB) 1 A 5 1 A Provalence Index worksheet: Total % Cover of: Multiply by: 2 A 5 1 A A FAC 3 4 5 1 A FAC Provalence Index worksheet: 7 7 7 A 7 A FACW species 7 X = 200 8 7 75 081 Perceits 75 X = 200 VIP species 75 X = 78 9 75 081 Perceits 75 X = 74 B Perceits 78 FACU species 75 X = 74 B B Perceits 75 Y = 400 UP species 15 X = 75 Column Totals: 16 A 175 081 Perceits 75 Column Totals: 16 A 2 + 55 FACU species 15 X = 75 Column Totals: 175 Column Totals: 16 A 2 + 55 FACU species 2 + 55 S 1 + | 3. | | |
| Saping/Shrub Stratum (Plot size: 5/1 4/2 = Total Cover That Are OBL, FACW, or FAC: | 4 | | 12 11 |
| A. A. <td< td=""><td>SA</td><td>45 = Total Cover</td><td></td></td<> | SA | 45 = Total Cover | |
| 2 Albert Multiply by: 3. Total % Cover of: Multiply by: 4. Base Science Science 5. Science Science Science 1. Science Science Science Science 1. Science Science Science Science Science 2. Science Science Science Science Science Science 3. Anhyniv Science Scie | Suppling office official (intersize. | 6 V DAC | Prevalence Index worksheet: |
| 3. | 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | - 5 V FAN | Total % Cover of: Multiply by: |
| 4. | 3. | | OBL species $\underline{75}$ x1 = $\underline{75}$ |
| 5. | 4 | | 77 78 |
| Herb Stratum (Plot size: 544) III = Total Cover 21 1. SCICDW NUCCECOUN 75 081 2. COUNT (IN Artia) 10 ACM 3. APPLY in VAR (IX - twind) 10 ACM 4. Crocosting & Crocosting of A 18 AC 5 AC AC 6 18 AC 7 Acc 18 9 - - 9 - - 10 10 - 11 105 = Total Cover 51.5 9 - - 10 | 5 | | |
| 1. SCIPUS NUCHCODUS 15 0BL 2. OUISCIUM TILMATIA 10 PACW 3. Arryniv All X-tonia 12 PACW 4. CocosNia & CrocosMittoria 18 PACW 5. 18 PACW 6. 2 Dominance Test is >50% 8. 3. Prevalence Index = B/A = 2.5 9. 1. Rapid Test for Hydrophytic Vegetation 9. - 10. - 11. - 10. - 11. - 10. - 11. - 12. - 13. - 14. - 15. - 16. - 17. - 18. - 19. - 11. - 12. - 13. - 14. - 15. - 15. - 15. - 15. - 16. - | 54 | = Total Cover | |
| 2. Foundscrive FACW 3. Addition FACW 4. Crocosting FAC 4. Crocosting FAC 5 | | 75 V OBL | |
| 3. Athyrium Alix - twick 4. crocosmillar A 5 6 7 8 9 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 | and the second | -10 - A() | |
| 4. | | - 2 FAC | |
| 5. | | TR FAC | |
| 6. | 5 | | 2 - Dominance Test is >50% |
| 7 | 6 | | $-$ X 3 - Prevalence Index is $\leq 3.0^{1}$ |
| 9 | | | _ _ 4 - Morphological Adaptations ¹ (Provide supporting |
| 10. | | | |
| 11. | 9 | | |
| Woody Vine Stratum (Plot size: 577) 577 105 = Total Cover 515 be present, unless disturbed or problematic. 1. He dor A hef, X 15 FACU Hydrophytic 2. | | | |
| <tbody (not="" size:<="" stratum="" td="" whe=""><td></td><td>105 = Total Cours 51.5</td><td>be present, unless disturbed or problematic.</td></tbody> | | 105 = Total Cours 51.5 | be present, unless disturbed or problematic. |
| 2. | Woody Vine Stratum (Plot size: 7+) | IS rotal cover 21 | ٥ |
| 2 | 1. Hedora helix | 12 V HACU | |
| % Bare Ground in Herb Stratum | 2 | | Vegetation |
| | % Bare Ground in Herb Stratum | = Total Cover | NO |
| an a | | 1 | 525- |
| | a dec | | |
| | 10 | | |

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Sampling Point: TP 3

| Depth Matrix Inches) Color (moist) % | <u>Redox Features</u> Color (moist) % <u>Type¹</u> Loc ² | Texture Remarks |
|---|--|--|
| -10 10 10 10 10 10 100 | | Much |
| DEL DELALI | Evente E C el | Sel |
| -2. 2.59 5/1 90 | JIKSTT 2 C FE | SOL |
| | - 10YK 3/6 5 C PL | |
| 18 | | |
| | | |
| | | |
| | | 2 |
| · · · | | |
| | | 2 |
| ype: C=Concentration, D=Depletion, | RM=Reduced Matrix, CS=Covered or Coated Sand G | rains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| | all LRRs, unless otherwise noted.) | 2 cm Muck (A10) |
| Histosol (A1) Histic Epipedon (A2) | Sandy Redox (S5) Stripped Matrix (S6) | 2 cm Mack (ATO) Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| _ Depleted Below Dark Surface (A11 | | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| _ Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| estrictive Layer (if present): | | 1 |
| Туре: | | X |
| Depth (inches): | | Hydric Soll Present? Yes No |
| | | |
| emarks: | | the second |
| ы | | the texture of the |
| /DROLOGY | | the textore |
| DROLOGY Tetland Hydrology Indicators: | uired; check all that apply) | Secondary Indicators (2 or more required) |
| DROLOGY etland Hydrology Indicators: rimary Indicators (minimum of one reco | | |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one req _ Surface Water (A1) | Water-Stained Leaves (B9) (except | Secondary Indicators (2 or more required) |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one req _ Surface Water (A1) _ High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| DROLOGY Tetland Hydrology Indicators: <u>rimary Indicators (minimum of one red</u> _ Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Chry-Season Water Table (C2) |
| DROLOGY etland Hydrology Indicators: <u>imary Indicators (minimum of one reo</u> _ Surface Water (A1) High Water Table (A2) Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Cry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one reo _ Surface Water (A1) High Water Table (A2) Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Cry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one req _ Surface Water (A1) High Water Table (A2) Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3) _ Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Shallow Aquitard (D3) |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one red) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C0) | Secondary Indicators (2 or more required) |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4) | Secondary Indicators (2 or more required) |
| TDROLOGY Tetland Hydrology Indicators: Timary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A) Y (B7) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| DROLOGY tetland Hydrology Indicators: timary Indicators (minimum of one read) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surfa eld Observations: | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A) Y (B7) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| TOROLOGY retland Hydrology Indicators: rimary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surfa leid Observations: urface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) ace (B8) Depth (inches): NA | Secondary Indicators (2 or more required) |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surface eld Observations: urface Water Present? Yes Vater Table Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A other (Explain in Remarks) ace (B8) No X Depth (inches): <u>V/A</u> Depth (inches): <u>Co</u> | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surface eld Observations: urface Water Present? Yes vater Table Present? Yes aturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Concerce (B8) Depth (inches): No No Depth (inches): Weta | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Stand Hydrology Present? Yes No |
| //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A other (Explain in Remarks) ace (B8) No X Depth (inches): <u>V/A</u> Depth (inches): <u>Co</u> | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Stand Hydrology Present? Yes No |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surface Surface Water Present? Yes Saturation Present? Y | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants) Other (Explain in Remarks) Depth (inches): <u>N/A</u> No <u>Depth (inches): <u>Sin</u> Wei e, monitoring well, aerial photos, previous inspections) </u> | Secondary Indicators (2 or more required) |
| YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one red | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants) Other (Explain in Remarks) Depth (inches): <u>N/A</u> No <u>Depth (inches): <u>Sin</u> Wei e, monitoring well, aerial photos, previous inspections) </u> | Secondary Indicators (2 or more required) |
| YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one red | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Concerce (B8) Depth (inches): No No Depth (inches): Weta | Secondary Indicators (2 or more required) |
| YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one red | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): <u>Yo</u> No <u>Depth (inches): Yo</u> No <u>Depth (inches): Yo</u> Wei e, monitoring well, aerial photos, previous inspections) | Secondary Indicators (2 or more required) |
| DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surface eld Observations: urface Water Present? Yes vater Table Present? Yes aturation Present? Yes acturation Present? Yes acturation Present? Yes mcludes capillary fringe) escribe Recorded Data (stream gauge | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): <u>Yo</u> No <u>Depth (inches): Yo</u> No <u>Depth (inches): Yo</u> Wei e, monitoring well, aerial photos, previous inspections) | Secondary Indicators (2 or more required) |

| -1-1- | | |
|---|--|---|
| Au | TA FORM – Western Mo | ountains, Valleys, and Coast Region |
| Project/Site: Albec Stadium | City/County: | sampling Date: 9/16/20 |
| Applicant/Owner: Eurelia City School | s/S | State: <u></u> Sampling Point: <u></u> |
| Investigator(s): Som Poly, Joseph St | Section, Township, F | Range: NW & Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): Hillslope | Local relief (concave | e, convex, none): None Slope (%): 15 |
| Subregion (LRR): A, MLRA - 4'B | Lat: 40.790903 | Long: -124, 156495 Datum: W6584 |
| Soil Map Unit Name: 257 - Lepoil Condy, | Mtn. Complex, 2-15 | 1 Slipes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this | | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology s | | e "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology n | aturally 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 N | | |
| Hydric Soil Present? Yes N | A CALL AND A STREET AND A STREE | × |
| Wetland Hydrology Present? Yes N | | |
| Remarks: Further sphill inder | - D.1=. | |
| | | |
| VEGETATION – Use scientific names of plan | ls. | |
| 30 ft | Absolute Dominant Indicato | Dominance Test worksheet: |
| 1. Produting (Plot size: SUH) | % Cover Species? Status | Number of Dominant Species 7 |
| 2 | DI PACO | That Are OBL, FACW, or FAC: (A) |
| 3. | | Total Number of Dominant |
| 4 | | |
| 504 | 57 = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size: 5++ | 4 FACU | Brough and Index and the state |
| 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: 5ff) | = Total Cover | FACU species x 4 = UPL species x 5 = |
| 1. Scippus milnicgrays | 18 V OBL | Column Totals: (A) (B) |
| 2. Crocosma × crocosmiflora | FAC | |
| 3. Equisetum talmateia | 17 FACU | Prevalence Index = B/A = Hydrophytic Vegetation Indicators: |
| 4 | | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | 2 - Dominance Test is >50% |
| 6 | | 3 - Prevalence index is ≤3.0 ¹ |
| 7 | | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| | = Total Cover 20.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 577) 1. Mederg Gelix | 27 / GACIL | |
| 2. | TT F TACU | - Hydrophytic Vegetation |
| | 77 = Total Cover | Present? Yes No X |
| % Bare Ground in Herb Stratum | | |
| Remarks: @ Upper edge of S. | microcar pusk | talmates share |
| | N 1. 1 19 | 5% cover. |
| Rubus withus not considered d | minat, Losthan | >/. Cover. |

14

US Army Corps of Engineers

Western Mountains, Valleys, and Coast - Version 2.0

SOIL

Sampling Point: TP32

a

| Profile Description: (Describe to the de | ath needed to document the indicator of confirm | |
|---|---|---|
| | | the absence of mulcators.) |
| Depth Matrix (inches) Color (moist) % | <u>Redox Features</u> Color (moist) % <u>Type¹</u> Loc ² | Texture Remarks |
| 0-5 2 CY3/100 | | 15 Extremely dense post |
| F 12 - F 212 100 | | TE Hadright |
| 2-13 7.5V 3/3 100 | | 53 11/10/ 19 612 |
| 3-17 2.54 4/4 100 | | <u>L</u> 3 |
| 17-24+2 54 2.5/190 | 7.5 YR2.53 10 C PL | SL |
| | | |
| | | |
| | | |
| | | |
| | | |
| ¹ Type: C=Concentration D=Depletion RN | I=Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to a | I LRRs. unless otherwise noted.) | Indicators for Problematic Hydric Solls ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| HYDROLOGY | | × 11 11 11 11 11 |
| Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one requir | | Secondary Indicators (2 or more required) |
| | ed; check all that apply) | Secondary indicators (2 or more required) |
| | | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Room | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (| Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (| Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| WETLAND DETERMINATION DA | TA FORM - | Western Mou | ntains, Valleys, and Coast Region |
|--|----------------------|-----------------------|--|
| Project/Site: Alber Stadium | Citv/0 | County: Eurel | 10 Sampling Date: 9/16/20 |
| Applicant/Owner: Eurena City School | 5 | | State: A Sampling Point: TP 33 |
| Investigator(s): Sam Pally, Dog Daler, | | on Township Rai | nge: NWG Sec. 25, T4N, R1W, HBN |
| Landform (hillslope, terrace, etc.): Bare of hills o | 12.00 | | convex, none): None Slope (%): 0-2 |
| Subregion (LRR): A. MLRA - 4B | Lat: 40.7 | 91029 | Long: -124.156429° Datum W6584 |
| 26-7 1 1 1 1 1 | | A 1 | NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for thi | | | |
| Are Vegetation, Soil, or Hydrology | | 1 | |
| Are Vegetation, Soil, or Hydrology r | | | Normal Circumstances" present? Yes No eeded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | | • | |
| | lo | | 187 |
| | lo | Is the Sampled | |
| | o | within a Wetlan | |
| Remarks: Due south of batting pad | under h | 1. side of | f willow clomp |
| | | | |
| VEGETATION – Use scientific names of plan | ts. | | |
| Tran Stature (State) 30 Ft | Second second second | ninant Indicator | Dominance Test worksheet: |
| 1. Saix coheria a | <u>% Cover</u> Spe | <u>Status</u> FACW | Number of Dominant Species 5 (A) |
| 2 | | | Total Number of Dominant |
| 3 | | | Species Across All Strata: (B) |
| 4Sapling/Shrub Stratum (Plot size: 544 | <u>50</u> = To | tal Cover | Percent of Dominant Species 83% (A/B) |
| Sapling/Shrub Stratum (Plot size:) 1. Loncera in Volucrata | 25 L | ENC | Prevalence Index worksheet: |
| 2. RANT ORMENTACINS | 15 1 | FAC | Total % Cover of: Multiply by: |
| 3. Rubus wising | 18 1 | 7 FACU | OBL species x 1 = |
| 4. | | - incet | FACW species x 2 = |
| 5. | | | FAC species x 3 = |
| 5Ct | 58 = To | tal Cover 29 | FACU species x 4 = |
| Herb Stratum (Plot size: 247) | 10 | FAC | UPL species x 5 = |
| 2. Scipus Microcarpul | 20 - | OBL | Column Totals: (A) (B) |
| 3. Equiserum tel mortia | 25 | / SACW | Prevalence Index = B/A = |
| 4. Stachys, ajugoides | 2 | OBL | Hydrophytic Vegetation Indicators: |
| 5. Repunciel us papers | 6 | FAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 6. Athyrium tilix-towna | 1 | FAC | $3 - Prevalence Index is < 3.0^{1}$ |
| 7 | | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9, | · | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | 74 | 32 | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 54 | | al Cover | |
| 1. Hedera herix | 1 | -HACU_ | Hydrophytic |
| 2 | | | Vegetation V |
| % Bare Ground in Herb Stratum 36* | = Tota | al Cover | Present? Yes No |
| Remarks: X / the | | | |
| Hedra helix not crunted as dom | inant les | sthan 5% | Cover |
| | sthere 1 to | | |

US Army Corps of Engineers

Western Mountains, Valleys, and Coast - Version 2.0

Sampling Point: TP 33

1

| Profile Description: (Describe to the depth needed to document the indicator or confir | m the absence of indicators.) |
|--|---|
| Depth Matrix Redox Features | |
| (inches) Color (moist) % Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-18 104R212 100 | 75 |
| 18-24+ 5644/1 90 2.54R3/6 10 C PL | <u>D</u> |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand C | 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) | 2 cm Muck (A10) |
| Histic Epipedon (A2) Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA | |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) | X Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) Depleted Matrix (F3) | 3. We can be the second |
| Thick Dark Surface (A12) Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) | wetland hydrology must be present, unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) Redox Depressions (F8) | |
| Restrictive Layer (if present): | N |
| Туре: | Hydric Soil Present? Yes X No |
| Depth (inches): | |
| Remarks: | |
| Very FANT A-H-DAT 12 Inches | 1 |
| Very faint A-A-D at 12 incles - edge of well and | |
| Edycol vollat | |
| | |
| HYDROLOGY | |
| | |
| Wetland Hydrology Indicators: | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| 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) | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) X Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) X Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Coots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) Kachever Construction (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) It A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) It A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| A11 | TA FORM – Western Mou | Intains, Valleys, and Coast Region |
|--|--|---|
| Project/Site: Albee Stadim | City/County: | Sampling Date: 9/16/20 |
| Applicant/Owner: Eureka City Scho | | State: CA Sampling Point: TP 34 |
| Investigator(s): JUSEP Saler, San Polly | Section, Township, Ra | inge: NWY Sec. 25, TYN, RIW, HBN |
| Landform (hillslope, terrace, etc.): Dase of MISope | | convex, none): None Slope (%): 0-1 |
| Subregion (LRR): A, MLRA -4B | Lat: 40.790401° | Long: -124. 156240° Datum: W65 84 |
| Soil Map Unit Name: 257-Lepoil Condy Mr | | |
| Are climatic / hydrologic conditions on the site typical for thi | | |
| Are Vegetation, Soil, or Hydrology | | "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology | | eeded, explain any answers in Remarks.) |
| | | |
| SUMMARY OF FINDINGS – Attach site map | | ocations, transects, important features, etc. |
| | Is the Sampled | Area |
| Wetland Hydrology Present? Yes N | | \sim |
| | | NW of willow 235 NEOF Lowof |
| 32H south at backst | op between beachers | |
| | 1 | |
| VEGETATION – Use scientific names of plan | ts. | |
| Tree Stratum (Plot size:) | Absolute Dominant Indicator % Cover Species? Status | Dominance Test worksheet: |
| 1. | | Number of Dominant Species (A) |
| 2 | | |
| 3 | | Total Number of Dominant Species Across All Strata: |
| 4 | <u> </u> | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 54) | = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| 1. Salix pooken a | 15 V FACW | Prevalence Index worksheet: |
| 2. Rubus armeniacus | 30 V FAC | 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: 547) | Total Cover 245 | UPL species x 5 = |
| 1. Scirow Marcaraw | 25 V OBL | Column Totals: (A) (B) |
| 2. Equisetium selmateia | 15 FROW | |
| 3. Ransmanlus repes | 25 V FAC | Prevalence Index = B/A = Hydrophytic Vegetation Indicators: |
| 4. Agrostic stalaritora | 15 FAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. festuca peranis | Y FAC | 2 - Dominance Test is >50% |
| 6. Hyperhaeits radicata | 5 FACU | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Bellis perene | The state | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Holcus anatus | LL V TAC | data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ |
| 9 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| | Total Cover 55 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 22.4 | |
| 1 | | Hydrophytic |
| 2 | | Vegetation Present? Yes <u>No</u> No |
| % Bare Ground in Herb Stratum | = Total Cover | · · · · · · · · · · · · · · · · · · · |
| Remarks | | |
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SOIL

Sampling Point: TP 34

in the second

| Profile Description: (Describe to the depth needed to document the indicator or confirm | the absence of indicators.) |
|--|--|
| Depth Matrix Redox Features | |
| (inches) Color (moist) % Color (moist) _% Type' Loc ² | Texture Remarks |
| 0-5 104K2/1 100 | Gr Asphalt Grave |
| 5-9 2.544/4 80 2.54R4/4 20 C M | LS Mikeq til |
| 9-15 10 VR-2/2 100 | SL TOPSOI till |
| 5-24+10X84/6 80 1048/1 20 D M | SL I I I I |
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| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Gr | rains. 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) | 2 cm Muck (A10) Red Parent Material (TF2) |
| Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) | |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) Depleted Matrix (F3) | |
| Thick Dark Surface (A12) Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | S |
| Туре: | |
| Depth (inches): | Hydric Soil Present? Yes No |
| Remarks: | |
| Abrupt, clear bandones indicating fill | |
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| | |
| HYDROLOGY | |
| HYDROLOGY Wetland Hydrology Indicators: | |
| | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| 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) | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) obts (C3) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) obts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) obts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) obts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) obts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) obts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) obts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No |

| WETLAND DETERMINATION DATA | A FORM – Western Mour | ntains, Valleys, and Coast Region |
|---|--|---|
| Project/Site: Albee Stadium | City/County: Eure | Sampling Date: 9/16/20 |
| Applicant/Owner: Eureka Gty Schools | | State: A Sampling Date: TP 35 |
| | Section Township Ran | ge: NW4 Sel. 25, T4N, RIW, HBM |
| Landform (hillslope terrace, etc.): Bare of Slope | | onvex, none): Slope (%): |
| | | Long: 124. 56208° Datum: W6584 |
| | | NWI classification: |
| Are climatic / hydrologic conditions on the site typical for this til | | |
| Are Vegetation, Soil, or Hydrology sigr | | Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology natu | | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map sh | owing sampling point lo | cations, transects, important features, etc. |
| | | X |
| VEGETATION – Use scientific names of plants | | |
| | bsolute Dominant Indicator | Dominance Test worksheet: |
| 1. Sq. X houlerang. | Cover Species? Status | Number of Dominant Species |
| 2. Seguria scape was | TA NL | That Are OBL, FACW, or FAC: |
| 3. | | Total Number of Dominant 5 Species Across All Strata: (B) |
| 4 | | 0.2.11 |
| Sapling/Shrub Stratum (Plot size: 5.44) | $\frac{43}{0.6} = \text{Total Cover} - \frac{41.5}{0.6}$ | Percent of Dominant Species That Are OBL, FACW, or FAC: |
| 1. Rubus armeniacus | 35 / AC | 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: 5ff) | 55 = Total Cover | UPL species x 4 |
| 1. SCIPAS MICTOCOLDUS | 53 / 082 | Column Totals: (A) (B) |
| 2. Ranuncilus repti (4 | 5 V FAC | |
| 3. Equisetum takingter | 8 FACW | Prevalence Index = B/A = Hydrophytic Vegetation Indicators: |
| 4. Hollus anatus | Y FAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Agrostis stelenitera | 3FAC | X 2 - Dominance Test is >50% |
| 6 | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ |
| 9 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 3 = Total Cover 56.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 22.6 | ¥. |
| 1 | | Hydrophytic |
| 2 | - Total Course | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum | = Total Cover | |
| Remarks: | | |
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3(5)

SOIL

Sampling Point: TP35

ARC .

| Profile Description: (Describe to the dep | in needed to document the indicator of commit | the absence of indicators.) |
|--|---|---|
| Depth <u>Matrix</u> | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-8 10 yk2/1 100 | | Ver L |
| 8-27 104R2/1, 100 | / /// | |
| 27-28+10645/1 90 | 10 YR 3/6 10 C PL | SCL |
| | <u>/////////////////////////////////////</u> | |
| | | 201 |
| | | |
| | | |
| 1.00 | | |
| | | |
| ¹ Type: C=Concentration D=Depletion RM | =Reduced Matrix, CS=Covered or Coated Sand Gra | ains. 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) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | ³ Indicators of hydrophytic vegetation and |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Type: | | |
| Depth (inches): | | Hydric Soil Present? Yes 📈 No |
| Remarks: | | |
| Temano. | | × |
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| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one require | d; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| X Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | X Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | | Δ - , , , , |
| | Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Saturation Visible on Aerial Imagery (C9) |
| | | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Living Root | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Drift Deposits (B3) Algal Mat or Crust (B4) | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) 87) Other (Explain in Remarks) (B8) No Depth (inches): | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) 87) Other (Explain in Remarks) (B8) No Depth (inches): | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) Depth (inches): No Depth (inches): No Depth (inches): Wetla | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, mage) | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) Depth (inches): No Depth (inches): No Depth (inches): Wetla | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) Depth (inches): No Depth (inches): No Depth (inches): Wetla | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, mage) | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) Depth (inches): No Depth (inches): No Depth (inches): Wetla | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, mage) | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) Depth (inches): No Depth (inches): No Depth (inches): Wetla | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, mage) | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) Depth (inches): No Depth (inches): No Depth (inches): Wetla | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, mage) | Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) Depth (inches): No Depth (inches): No Depth (inches): Wetla | Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |

A. 8

| WETLAND DETERMINATION DA | TA FORM – W | /estern Mou | ntains, Valleys, a | nd Coast Region |
|---|-------------------------------|-----------------------------------|---|---|
| Project/Site: A bee Stadium | City/Co | ounty: | ka | _ Sampling Date: 9/17/20 |
| Applicant/Owner: Eureka (ity schools | (ECS) | | State: CA | Sampling Point: TP 36 |
| Investigator(s): Joseph Sales Sam Poly | Section | n, Township, Rar | | 25, THN, RIW, HBM |
| Landform (hillslope, terrace, etc.): Hillslope | | | convex, none): | |
| Subregion (LRR): A, MLRA - 4B | | | Long -124.15 | |
| Soil Map Unit Name: 257- Lepo; - Candymour | ntan Comple | x,2+15% | Sloves NWI class | ification: None |
| Are climatic / hydrologic conditions on the site typical for this | | | 1 | |
| Are Vegetation, Soil, or Hydrology si | gnificantly disturb | ed? Are " | Normal Circumstances | s" present? Yes 📈 No |
| Are Vegetation X, Soil , or Hydrology n | aturally problemat | ic? (If ne | eded, explain any ans | wers in Remarks,) |
| SUMMARY OF FINDINGS - Attach site map s | showing sam | pling point k | ocations, transec | ts, important features, etc. |
| Hydrophytic Vegetation Present? Yes X No | · | | | |
| | · | Is the Sampled within a Wetlan | | × No |
| | · | | | |
| | | | | wertern Aence. |
| in northern farth of small | | e_{j} | dr frach | |
| VEGETATION – Use scientific names of plant | | | Devise T (| |
| Tree Stratum (Plot size: 30 ft) | Absolute Domi % Cover Spec | nant Indicator | Dominance Test wo Number of Dominant | |
| 1 seguerasenperinen | 90 - | NL | That Are OBL, FACV | |
| 2. Pryhus laurocerasus | 10 | N/ | Total Number of Dor Species Across All S | |
| 4. | 100 | | Percent of Dominant | Carl |
| Sapling/Shrub Stratum (Plot size: 54) | 100 = Tota | al Cover | That Are OBL, FACV Prevalence Index w | V, OF FAC: (A/B) |
| 1 AUDIO SPECIALIS | 40 - | TAC | Total % Cover o | |
| 2. Ilex aquitora | <u> </u> | - FACA | OBL species | x 1 = _0 |
| | | | FACW species | x 2 = 0 |
| 5. | | | FAC species | x 3 = <u>183</u> |
| FA | Tota | al Cover 21.5 | FACU species | x4= 242 |
| Herb Stratum (Plot size: 241) | 70 1 | 8.6 | UPL species | $x_{5} = \frac{205}{900}$ |
| 1. Att vinn filix-toning 2. Equiverium orverse | 20 1 | PAC | Column Totals: 👱 | |
| 3. Prospected Swithi | + | - THU | | $lex = B/A = \underline{4.17}$ |
| 4 | | | Hydrophytic Vegeta | or Hydrophytic Vegetation |
| 5 | | | 2 - Dominance 1 | |
| 6 | | | 3 - Prevalence li | |
| 7 | | | | al Adaptations ¹ (Provide supporting |
| 8 | | | | arks or on a separate sheet) |
| 9 | | | | I-Vascular Plants ¹ Irophytic Vegetation ¹ (Explain) |
| 10 | | | | soil and wetland hydrology must |
| | 79 = Tota | Cover | | isturbed or problematic. |
| Woody Vine Stratum (Plot size: 5ft) | 101 | 44 | | |
| 1. Medera helik | 65 V | _ tacu | Hydrophytic | |
| 2 | 15 | | Vegetation Present? | Yes X No |
| % Bare Ground in Herb Stratum 79% | = Tota | l Cover | | |
| Remarks: | | · | 1 | |
| * Tayasive He Arm Let x an | ves fabe | yoland | veg domin | ance |
| US Army Corps of Engineers | | 1.0 | Western Mountains | , Valleys, and Coast – Version 2.0 |

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Indicators for Problematic Hydric Soils³: Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) 2 cm Muck (A10) Histosol (A1) Sandy Redox (S5) Red Parent Material (TF2) Histic Epipedon (A2) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) ³Indicators of hydrophytic vegetation and Thick Dark Surface (A12) Redox Dark Surface (F6) wetland hydrology must be present, Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) unless disturbed or problematic. Redox Depressions (F8) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: **Hydric Soil Present?** Depth (inches): rated channel in dry season would meet A Remarks: wich Plan HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) X Water-Stained Leaves (B9) (MLRA 1, 2, Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) 4A, and 4B) Drainage Patterns (B10) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) X Geomorphic Position (D2) Drift Deposits (B3) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Iron Deposits (B5) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Frost-Heave Hummocks (D7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Field Observations: Depth (inches): Surface Water Present? Depth (inches): Water Table Present? Depth (inches): Wetland Hydrology Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

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

Color (moist)

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.

Redox Features

Type

Loc

n

SOIL

Depth

(inches

Matrix

(moist

Sampling Point

Remarks

²Location: PL=Pore Lining, M=Matrix.

| WETLAND DETERMINATION DA | TA FORM - V | Vestern Mour | itains, Valleys, and Coast Region |
|--|-----------------------------|----------------------------------|---|
| Project/Site: Albee Stadium | Citv/C | ounty: Eurok | A Sampling Date: 9-17-20 |
| Applicant/Owner: Eureka City Jchook | | 1774 A | State: CA Sampling Point: TP 37 |
| Investigator(s): Joseph Salet, Sam Pally | Sectio | on, Township, Ran | Je: NWY Sec. 25, TYN, RIW, HBM |
| Landform (hillslope, terrace, etc.): | | relief (concave, c | |
| Subregion (LRR): A, MLRA-48 | Lat: 40.7 | 90085 | Long: -124.156432 Datum: W6584 |
| Soil Map Unit Name: 257-Lepoil Condy M | tn. Comple | x 2-15% | Slope NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this | time of year? Y | es <u>X</u> No | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology si | gnificantly distur | ned? Are " | Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology na | aturally problema | itic? (If nee | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map s | showing sam | pling point lo | ocations, transects, important features, etc. |
| | | is the Sampled | Area |
| Hydric Soil Present? Yes Yes No Wetland Hydrology Present? Yes No |) <u> </u> | within a Wetlan | |
| Remarks: Just above s econd drai | | of Del | Norte 37. |
| inside uphilledge of | 9 | | w. of tracks |
| VEGETATION – Use scientific names of plant | ts. | | |
| Tree Stratum (Plot size: 30 A | Absolute Dom % Cover Spe | ninant Indicator cies? Status | Dominance Test worksheet: |
| 1. Sequeia sompervirens | 30 2 | / NL | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2. Pinus radiata | 30 2 | - NL | Total Number of Dominant |
| 3. Thya picata | V | TAC | Species Across All Strata:(B) |
| | 70 = To | tal Cover 35 | Percent of Dominant Species That Are OBL, FACW, or FAC: 25 % (A/B) |
| Sapling/Shrub Stratum (Plot size:) | | | Prevalence Index worksheet: |
| 1. Jaccinium parvitolium | 20 - | FACU | Total % Cover of:Multiply by: |
| 2. The remits inthe 3. Rubus unsing | 18 - | FACU | OBL species 0 x 1 = 0 |
| 4. Abies grandis | 2 - | FACU | FACW species 2 $x_2 = 4$ |
| 5 | | | FAC species 39 $x_3 = 102$ FACU species 62 $x_4 = 248$ |
| Fit is | 47 = To | tal Cover 9.4 | FACU species <u>64</u> x4= <u>248</u> UPL species <u>64</u> x5= <u>320</u> |
| Herb Stratum (Plot size: 577) | 10 | OBL | Column Totals: 172 (A) 684 (B) |
| 2. Athrium tilix-taning | 3 | FAC | Prevalence Index = B/A = |
| 3. Struthington's spicont 4. Prusantes S. Mithal | 18 4 | FAC | Hydrophytic Vegetation Indicators: |
| 4. Prusantes S.MHEI | 4 | NL | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Equischun telmateig | 4- | - FACW | 2 - Dominance Test is >50% |
| 6. VINCUS Effises 7. Crocosmia x crocosmiflara | | | 3 - Prevalence Index is ≤3,0 ¹ |
| | | 1/10 | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic, |
| Woody Vine Stratum (Plot size: 5ft) | <u>40</u> =Tot | al Cover 😽 | |
| 1. Hecera heix | 15 V | FACU | Hydrophytic |
| 2 | | | Vegetation V |
| % Bare Ground in Herb Stratum60 % | = Tot | al Cover | Present? Yes No A |
| Remarks: | | | |
| | | | |
| | | | |

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| SOIL | | | Sampling Point: 19.37 |
|---|---|-----------------------------|--|
| Profile Description: (Describe to the dept | h needed to document the indicator or (| confirm the absence | |
| Depth Matrix (inches) Color (moist) % | Redox Features Color (moist)% Type ¹ I | Loc ² . Texture | Remarks |
| 0-12 10Y8 2/2 100 | | < M | Komano |
| | 2545/2 25 1- | M Ony | |
| 12-18 10Y 51,1 70 | 5VRH/4 5 C | DI L> | * |
| 18-24+10 VE 5/4 CO | 2.54 5/2 40 0 | M LS | |
| | N Y Z I U | | |
| · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | | |
| | | | |
| · · · · · · · · · · · · · · · · · · · | | | · · · · · · · · · · · · · · · · · · · |
| ¹ Type: C=Concentration, D=Depletion, RM= | Reduced Matrix, CS=Covered or Coated S | Sand Grains. ² L | ocation: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all t | RRs, unless otherwise noted.) | | tors for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 | cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | R | ed Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except M | | ery Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | 0 | ther (Explain in Remarks) |
| X Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | 3 | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | | ators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | | tland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | | ess disturbed or problematic, |
| Restrictive Layer (if present): | | 2 | 1 |
| Type: Depth (inches): | | Hydric So | oil Present? Yes 📈 No |
| Remarks: | No. | inguite et | |
| Remarks. | | | |
| | 2 | | |
| | | | |
| | * | - | |
| HYDROLOGY | | | |
| Wetland Hydrology Indicators: | 2 | | |
| Primary Indicators (minimum of one required | ; check all that apply) | Sec | condary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (exce | ept | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | | 4A, and 4B) |
| X Saturation (A3) | Salt Crust (B11) | _ | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | X | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | 1 | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Liv | ing Roots (C3) | Geomorphic Position (D2) |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled S | oils (C6) | FAC-Neutral Test (D5) |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1) | | Raised Ant Mounds (D6) (LRR A) |
| Inundation Visible on Aerial Imagery (B7 | | | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Surface (E | | — | |
| Field Observations: | | 1 | |
| Surface Water Present? Yes N | lo 🔀 Depth (inches): | | |
| Water Table Present? Yes X | lo Depth (inches): | | V |
| | lo Depth (inches): | Wetland Hydrold | ogy Present? Yes 🔼 No |
| (includes capillary fringe) Describe Recorded Data (stream gauge, mo | nitoring well, aerial photos, previous inspe- | tions), if available | |
| | | | |
| Remarks: | | | |
| 2 | × | | |
| | arc1) | | |
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| WETLAND DETERMINATION D | ATA FORM – Western Mo | untains, Valleys, and Coast Region |
|--|--|--|
| Project/Site: <u>A 1666</u> Stad Sum Applicant/Owner: Europa City Schools Investigator(s): <u>Sam Poly</u> Socie Sake Landform (hillslope, terrace, etc.): <u>Hillslope</u> Subregion (LRR): <u>A MLRA - 4B</u> Soil Map Unit Name: <u>257-Lepoil-Candy</u> Are climatic / hydrologic conditions on the site typical for t Are Vegetation, Soil, or Hydrology Are Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS - Attach site map Hydrophytic Vegetation Present? <u>Yes</u> Hydric Soil Present? <u>Yes</u> | City/County: Find Section, Township, R Local relief (concave Lat: 40.790131° Mn. Complex 2-157.5 this time of year? Yes No. significantly disturbed? Are naturally problematic? (If r p showing sampling point No X No X No X No X No X No X No X No X | State: Sampling Date: 9/17/20 State: Sampling Point: TP 38 ange: NW1 Sec.25 TYN, R1W HBM , convex, none): Slope (%): 30 Long: -124.156457 Datum: W6584 Lope: NWI classification: Mone No (If no, explain in Remarks.) "Normal Circumstances" present? Yes No Iocations, transects, important features, etc. d Area No |
| VEGETATION – Use scientific names of pla | ants | |
| Tree Stratum (Plot)size: 30 ft 1. Pinus radiata 2. Thuia picata 3. Sequeria Semponicas 4 | Absolute % CoverDominant Species?Indicator Status 50 NL 12 AC 35 NL 97 = Total Cover 50 $FACU$ 12 $FACU$ 50 $FACU$ 12 $FACU$ 50 $FACU$ 12 $FACU$ 50 $FACU$ 12 $FACU$ 50 OBL | Dominance Test worksheet:Number of Dominant Species That Are OBL, FACW, or FAC:1(A)Total Number of Dominant Species Across All Strata:6Percent of Dominant Species That Are OBL, FACW, or FAC:16Prevalence Index worksheet:16Total % Cover of:Multiply by:OBL species $x 1 =$ FACW species $x 2 =$ FAC species $x 3 =$ FACU species $x 5 =$ Column Totals:(A)Prevalence Index = B/A =Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is <3.01 |
| 9 10 11 Woody Vine Stratum (Plot size: 1. Decera hellx 2 % Bare Ground in Herb Stratum 51* Remarks: Litter | | 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes No |

US Army Corps of Engineers

| SOIL | | Sampling Point: TP 39 |
|--|--|--|
| Profile Description: (Describe to the de | epth needed to document the indicator or c | onfirm the absence of indicators.) |
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | | oc ² Texture Remarks |
| 0-6 IOYR 3/3 100 | - //, | SL Loose, roots abundant |
| 6-12 LAVE 3/6 (A | IN103/2 20 CN | |
| 0-12 10×10/6 60 | | |
| | 104K5/2, 10 D M | |
| | 7.5VR 25/3 (1) C | |
| 12-14+ INVO 3/4 Q1 | 75403/4 5 (1) | SL Many medium roots |
| 12-61. INK 01 10 | | |
| | 2.7Y6/2 0 1 | |
| | | |
| | | |
| | M=Reduced Matrix, CS=Covered or Coated Si | and Grains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to a | | Indicators for Problematic Hydric Soils ³ : |
| | | 2 cm Muck (A10) |
| Histosol (A1) | Sandy Redox (S5) | Red Parent Material (TF2) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except ML | Other (Explain in Remarks) |
| Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) | Loamy Gleyed Matrix (F2) Depleted Matrix (F3) | |
| Depleted Below Dark Surface (ATT) Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Mucky Mineral (ST) Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| | | |
| | | Hudria Soil Present? Vac No X |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | · · · · · · · · · · · · · · · · · · · |
| | | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one requi | red: check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (exce | |
| | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| High Water Table (A2) | | |
| Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Livi | |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled Second Seco | pils (C6) FAC-Neutral Test (D5) |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1) (| LRR A) Raised Ant Mounds (D6) (LRR A) |
| Inundation Visible on Aerial Imagery | (B7) Other (Explain in Remarks) | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Surfac | | |
| Field Observations: | N IN | |
| Surface Water Present? Yes | No X Depth (inches): | |
| | No Depth (inches): | |
| Water Table Present? Yes | | Wetlend Underlage Present? Van Na X |
| Saturation Present? Yes | No <u>No</u> Depth (inches): <u>N</u> | Wetland Hydrology Present? Yes No |
| (includes capillary fringe) Describe Recorded Data (stream gauge, | monitoring well, aerial photos, previous inspec | tions), if available: |
| | interest process and pro- | |
| Pemarke | | |
| Remarks: | | |
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WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

| Project/Site: Albee Stadum | City/County: Ewelia | _ Sampling Date: 9/23/20 |
|--|---|-----------------------------|
| Applicant/Owner: | State: UA | Sampling Point: 11 31A-5 |
| Investigator(s): | Section, Township, Range: NW4 Sec. 25 | THN, RIW, HBM |
| Landform (hillslope, terrace, etc.): | Local relief (concave, convex, none): | Slope (%): |
| Subregion (LRR): Lat: | Long: | Datum: |
| Soil Map Unit Name: | NWI classif | ication: |
| Are climatic / hydrologic conditions on the site typical for this time of ye | ear? Yes No (If no, explain in | Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly | disturbed? Are "Normal Circumstances" | present? Yes No |
| Are Vegetation, Soil, or Hydrology naturally pre- | oblematic? (If needed, explain any answ | ers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing | sampling point locations, transect | s, important features, etc. |

| Hydrophytic Vegetation Present? Hydric Soil Present? | Yes Yes | No No | Is the Sampled Area within a Wetland? | Yes No |
|---|------------|----------|---------------------------------------|--------------------|
| Wetland Hydrology Present? | Yes | No | | |
| See Data | shee | ets for | Fen Be | hind W. Grandstand |

VEGETATION – Use scientific names of plants.

| 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 | | | Percent of Dominant Species | |
| Sapling/Shrub Stratum (Plot size:) | | = Total Cover | That Are OBL, FACW, or FAC: | (A/B) |
| | | | Prevalence Index worksheet: | - |
| 1 | | | Total % Cover of:Multiply by: | |
| 2 | | | OBL species x 1 = | |
| 3, | | | FACW species x 2 = | |
| 4 | | | FAC species x 3 = | |
| 5 | | | FACU species x 4 = | _ |
| Herb Stratum (Plot size:) | | = Total Cover | UPL species x 5 = | |
| 1 | | | Column Totals: (A) | |
| | | | | |
| 2 | | | Prevalence Index = B/A = | _ |
| 3 | | | Hydrophytic Vegetation Indicators: | |
| 4 | | | 1 - Rapid Test for Hydrophytic Vegetation | |
| 5 | | | 2 - Dominance Test is >50% | |
| 6 | | | 3 - Prevalence Index is ≤3.0 ¹ | |
| 8 | | | 4 - Morphological Adaptations ¹ (Provide sup data in Remarks or on a separate sheet) | |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ | |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Expla | uin) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology | |
| · · · · · · · · · · · · · · · · · · · | | | be present, unless disturbed or problematic. | |
| Woody Vine Stratum (Plot size:) | | = Total Cover | | |
| 1 | - | | Hydrophytic | |
| 2 | | | Vegetation | |
| | | = Total Cover | Present? Yes No | |
| % Bare Ground in Herb Stratum | | | | |
| Remarks: | | | | |
| See 39A-> | 39. | 5 | | |

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Sampling Point:

| Profile Description: (Describe to the o | | 41 17 | |
|--|--|---|---|
| | lepth needed to document the indicator or | r confirm the abs | ence of indicators.) |
| Depth Matrix | Redox Features | | |
| (inches) Color (moist) % | Color (moist) % Type ¹ | Loc ² Textu | re Remarks |
| | | | |
| | | | |
| | | | |
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| · · · · · · · · · · · · · · · · · · · | | 12 | |
| 3 <u></u> | | | |
| | | | |
| | | | |
| | | | 2 DI DI LINI MANN |
| | RM=Reduced Matrix, CS=Covered or Coated | | ² Location: PL=Pore Lining, M=Matrix. licators for Problematic Hydric Soils ³ : |
| Hydric Soil Indicators: (Applicable to | | Inc | |
| Histosol (A1) | Sandy Redox (S5) | | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except N | MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | | з | an a san a sa sa sa sa |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | | dicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | | unless disturbed or problematic. |
| Restrictive Layer (if present): | | | |
| Туре: | | | |
| Depth (inches): | | Hydrid | Soil Present? Yes No |
| Remarks | | | |
| | 21 200 | | |
| $\sum_{i=1}^{n}$ | $q \Lambda \rightarrow \gamma q \zeta$ | | |
| $\mathcal{I}(\mathcal{C}_{\mathcal{C}})$ | $9A \rightarrow 395$ | | |
| | | | |
| HYDROLOGY | | | |
| | | | |
| Wetland Hydrology Indicators: | | | |
| Primary Indicators (minimum of one requ | ired; check all that apply) | | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (ex | cept | Water-Stained Leaves (B9) (MLRA 1, 2, |
| | | | |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | | 4A, and 4B) |
| | | | 4A, and 4B) <u>Drainage Patterns (B10)</u> |
| Saturation (A3) | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | | |
| Saturation (A3) Water Marks (B1) | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | | Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | | Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L | iving Roots (C3) | Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) |
| Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) | iving Roots (C3) | Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled | iving Roots (C3) | Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1) | iving Roots (C3)) Soils (C6)) (LRR A) | Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1) | iving Roots (C3)) Soils (C6)) (LRR A) | Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
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| Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1 (B7) Other (Explain in Remarks) | iving Roots (C3)) Soils (C6)) (LRR A) | Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1) (B7) (B7) Other (Explain in Remarks) See (B8) | iving Roots (C3)) Soils (C6)) (LRR A) | Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Vater Table Present? Yes Saturation Present? Yes | MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1 r (B7) Other (Explain in Remarks) Ce (B8) No Depth (inches): | Living Roots (C3)) Soils (C6)) (LRR A) | Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|--|
| Project/Site: Albee Stadrum City/County: Eureka Sampling Date: 9/23/20 |
| Applicant/Owner: ECS-Eureka City School S State: C4 Sampling Point: TP39A |
| Investigator(s): S. Rowe, C. Wilcor, J. Saler, S. Polysection, Township, Range: NWy Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): Jerrace Local relief (concave, convex, none): Mone Slope (%): 2 |
| Subregion (LRR): A, MLRA - 4 B Lat: 40.789207° Long: -124.156204 Datum: W6584 |
| Soil Map Unit Name: 257 - Lepoil - Condy Min Complex, 2-15% Shops NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |
| Hudrophytic Vegetetion Brocont? |

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

VEGETATION – Use scientific names of plants.

| 300 | Absolute | Dominant | | Dominance Test worksheet: |
|------------------------------------|----------|-------------|-----------|--|
| Tree Stratum (Plot size:) | | Species? | | Number of Dominant Species 2 |
| 1. Alnus Mag | 82 | | FAC | That Are OBL, FACW, or FAC: (A) |
| 2 | | | - 12 A 10 | |
| 3 | | | | Total Number of Dominant Species Across All Strata: 6 (B) |
| 4 | | | | |
| 4. | 82 | | | Percent of Dominant Species 50% (A/R) |
| Sapling/Shrub Stratum (Plot size:) | P | = Total Cov | /er | That Are OBL, FACW, or FAC: (A/B) |
| | - | / | - | Prevalence Index worksheet: |
| 1. Kilos americas | ~~~~ | | FAC | Total % Cover of: Multiply by: |
| 2. Radous ursing 5 | | | FACU | OBL species x 1 = |
| 3 | | | | |
| 4 | | | | FACW species x 2 = |
| 5 | | | | FAC species x 3 = |
| | 7 | = Total Cov | or 3.5 | FACU species x 4 = |
| Herb Stratum (Plot size:) | | - 10tai 00v | T.4 | UPL species x 5 = |
| 1. Crocosmin × Crososmin Apra | 18 | ~ | FAL | Column Totals: (A) (B) |
| 2. Holus (makes | 1 | | FAC | Prevalence Index = B/A = |
| 3. Equischim awarse | 1 | | FAC | Hydrophytic Vegetation Indicators: |
| 4. Polystihum minihum | 12 | 1 | FACU | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Equition Kingting | 5 | | FACW | 2 - Dominance Test is >50% |
| 6. Ptridum agrilinum | 2 | | FACU | 3 - Prevalence Index is $\leq 3.0^{1}$ |
| 7. Aquestis stuloniferen | T | | FAC | |
| 8 | | | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| | | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 11 | 20 | | 145. | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 21 | = Total Cov | er 4.9 | |
| 1. Helix hederg | 75 | 1 | Engl | |
| | | | THOM | Hydrophytic |
| 2 | | | | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum 61% | - | = Total Cov | er | |
| Remarks: | | | | |
| | | | | |
| | | | | |



20 m

| SOIL | | | | | | | | | | Sampling Poi | nt: <u>IP JM</u> |
|--------------------------------|--|-------------|-------------|-------------------------|--------------------|-----------------------|------------------|------------------|---------------|--------------------|---------------------------|
| Profile Desc | ription: (Describe | to the dep | oth needed | to docun | nent the i | indicator o | or confir | m the abse | ence of ind | licators.) | |
| Depth | Matrix | | | | x Feature | | | | | | |
| (inches) | Color (moist) | % | Color (| moist) | % | Type' | Loc ² | Textur | 200 | Remark | S |
| 0-4 | 104pr 2/2 | 00 | - | | | | | | 56 | | |
| 4-21 | 104R 413 | 100 | - | | - | | | LS | | | |
| 21-24+ | 2.54 4/2 | 15 | 10 YR | 316 | 10 | C | M | LS Ct | Gu | nall day loan | n lenser |
| · | | | 1042 | 200100 | 5 | C | M | 44 | | the star in | |
| | 8 | | | | - | | 10. | | | | |
| | | | 1042 | . 40 | 10 | <u> </u> | M | | | | |
| | | | | | | | | | | · | |
| | | | | | | | | | | | |
| | oncentration, D=Dep | | | | | | d Sand G | | | PL=Pore Lining | |
| Hydric Soil I | Indicators: (Applic | able to all | LRRs, unl | ess other | wise not | ed.) | | Ind | icators for | Problematic Hy | dric Soils': |
| Histosol | · · | | Sandy | | | | | | 2 cm Muc | | |
| | pipedon (A2) | | | ed Matrix | | | | | | nt Material (TF2) | (— — (–) |
| | stic (A3) | | | | | 1) (except | MLRA 1 |) | | low Dark Surface | |
| | en Sulfide (A4) d Bolow Dark Surfac | o (A11) | | y Gleyed I | | 2) | | | Other (Exp | olain in Remarks) |) |
| | d Below Dark Surfac ark Surface (A12) | e (ATT) | | ted Matrix < Dark Su | | h | | ³ Inc | licators of h | nydrophytic veget | ation and |
| | lucky Mineral (S1) | | | ted Dark S | . , | | | | | drology must be p | |
| | Bleyed Matrix (S4) | | · | k Depress | • | ., | | | | urbed or problem | |
| | Layer (if present): | | | | | | | | | | |
| Туре: | | | | | | | | | | | |
| Depth (ind | ches): | | | | | | | Hvdric | Soil Prese | ent? Yes | No 🚿 |
| Remarks: | , | | | | | | | | | | |
| ycume | e moist a 23 | money | NOT SA | TURATE |) | | | | | | |
| IYDROLO | | | | | | | | | | | |
| _ | drology Indicators: | | | | | | | | | | |
| Primary Indic | cators (minimum of c | one require | d; check al | that apply | v) | | | \$ | | Indicators (2 or m | |
| | Water (A1) | | \ | | | /es (B9) (e : | kcept | - | Water-S | Stained Leaves (I | 39) (MLRA 1, 2, |
| - • | ater Table (A2) | | | | 1, 2, 4A, a | and 4B) | | | | and 4B) | |
| Saturation | | | | Salt Crust | | | | - | | ge Patterns (B10) | |
| | larks (B1) | | | Aquatic Inv | | | | - | | ason Water Table | |
| | nt Deposits (B2) | | | lydrogen | | • • | | - | | | rial Imagery (C9) |
| | posits (B3) | | | | • | eres along | - | pots (C3) | | rphic Position (D | 2) |
| | at or Crust (B4) | | | | | ed Iron (C4 | | - | | Aquitard (D3) | |
| | posits (B5) | | | | | ion in Tilleo | | | | eutral Test (D5) | |
| | Soil Cracks (B6) | | | | | l Plants (D | 1) (LRR / | A) - | -2 | Ant Mounds (D6 | |
| | on Visible on Aerial | | · — | Other (Exp | plain in Re | emarks) | | - | - Frost-H | leave Hummocks | (U7) |
| | y Vegetated Concave | e Sunace (| ,DO) | | | | - | | | | |
| Field Obser | | (00 | No X | Dooth /: | ohoo ^{ye} | N/A | | | | | |
| Surface Wate | | | N | Depth (in | | | - | | | | |
| Water Table | | ′es | No - | Depth (in | 1 | N/A | - | | | | |
| Saturation Pi (includes cap | | 'es | No X | Depth (in | ches): | IN IP | We | tland Hydr | ology Pres | sent? Yes | No |
| | corded Data (stream | n gauge, m | onitoring w | ell, aerial i | photos, pi | revious ins | pections |), if availabl | e: | | |
| | | | | 2.1 | | | | | | | |
| Remarks: | | | | | | | - | _ | | | |
| | | | | | | | | | | | |

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

| Project/Site: Albee Stadium | _ City/County: Evela | Sampling Date: 9/23/20 |
|--|--|---------------------------------------|
| Applicant/Owner: Eurelia City Schools | | e: CA Sampling Point: TP 39 B |
| Investigator(s): Sp. JS, CW, SP | Section, Township, Range: <u>NW</u> | Sec 25, TYN, R1W, HBM |
| Landform (hillslope, terrace, etc.): Dranage | Local relief (concave, convex, nor | |
| Subregion (LRR): A, MLRA - 4B Lat: | | 24.156310 Datum: WGS 84 |
| Soil Map Unit Name: 257 - Lepoil - Candy Mtn. C | omplex, 2-15% Slopes | NWI classification: Non C |
| Are climatic / hydrologic conditions on the site typical for this time c | fyear? Yes 🗶 No (If n | o, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significa | ntly disturbed? Are "Normal Cir | cumstances" present? Yes 🔽 No |
| Are Vegetation, Soil, or Hydrology naturally | problematic? (If needed, expl | ain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map show | ing sampling point locations | , transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No | _ | |
| Hydric Soil Present? Yes No | Is the Sampled Area within a Wetland? | Yes X No |
| Wetland Hydrology Present? Yes No | | Tes 100 |
| Remarks: | | |

VEGETATION – Use scientific names of plants.

| 204 | Absolute | Dominant Indicator | Dominance Test worksheet: |
|--|--|--------------------|---|
| Tree Stratum (Plot size: 3011) | and a state of the | Species? Status | Number of Dominant Species |
| 1. Almus rubra | 55 | FAC | That Are OBL, FACW, or FAC: (A) |
| 2. Picer sitchers(s | 10 | FAC | Total Number of Dominant |
| 3. Salix howardon | 5 | FACW | Species Across All Strata: (B) |
| 4. | | 100 C | |
| Sapling/Shrub Stratum (Plot size: 544) | 70 | = Total Cover 35 | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| 1. Fuchsia magellanica | 60 | FACU | Prevalence Index worksheet: |
| 2. Rubus anneal agus | 20 | FAL | Total % Cover of: Multiply by: |
| 3. Lubs wants | <u> </u> | FACU | OBL species x 1 = |
| 3. KURY (Man) | | | FACW species x 2 = |
| 4 | · | | FAC species x 3 = |
| 5 | 01 | 42 | FACU species x 4 = |
| Herb Stratum (Plot size: 5ft) | 07 | = Total Cover | UPL species x 5 = |
| 1. Equisetum telmatica | 15 | V FACW | Column Totals: (A) (B) |
| 2. Athynung filix - feminge | 8 | V FAC | |
| 3. Crocosnig & crocosniiflora | 1 | V FAC | Prevalence Index = B/A = |
| 4. Structures gjugoida | | FAC | Hydrophytic Vegetation Indicators: |
| | | | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | | X 2 - Dominance Test is >50% |
| 6 | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 8 | | | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. | | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 31 | = Total Cover 15.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 51) | -11- | - Total Cover 6.2 | |
| 1. Hedara hely | 25 | FACU | Hydrophytic |
| 2 | | | Vegetation |
| CONT | 25 | = Total Cover | Present? Yes <u>No</u> No |
| % Bare Ground in Herb Stratum 69% | | Td | |
| Remarks: | | | |
| * litter | | | |

Sampling Point: TP 39 B

| Profile Desc | ription: (Describe | to the dep | th needed to doc | ument the i | indicator | or confirm | the absence | of indicators.) |
|---------------|--|-------------|-----------------------------|------------------------------|---------------------|-------------------|---------------|--|
| Depth | Matrix | | Rec | dox Feature | s | | | - |
| (inches) | Color (moist) | % | Color (moist) | % | Type' | _Loc ² | Texture | Remarks |
| 0-8 | 10 YR 2/2 | 100 | | | | | SL | |
| 8-27 | 2.544/2 | 70 | 104r 416 | 30 | C | M | LS | |
| | | | | | | | | positive bad reachon |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | ÷ | ······································ |
| | | | | | | | ÷ | ••••••••••••••••••••••••••••••••••••••• |
| | | | | | | | | |
| | oncentration, D=Dep Indicators: (Applic | | | | | d Sand Gr | | ation: PL=Pore Lining, M=Matrix. rs for Problematic Hydric Soils ³ : |
| Histosol | | able to all | Sandy Redox | | eu.j | | | Muck (A10) |
| | pipedon (A2) | | Stripped Matr | | | | | Parent Material (TF2) |
| | stic (A3) | | Loamy Mucky | · · | 1) (except | MLRA 1) | | Shallow Dark Surface (TF12) |
| | en Sulfide (A4) | | Loamy Gleye | | 2) | | 🔀 Othe | er (Explain in Remarks) |
| · · | d Below Dark Surfac | ce (A11) | X Depleted Mat | | | | a | |
| | ark Surface (A12) | | Redox Dark S | | | | | rs of hydrophytic vegetation and |
| | Aucky Mineral (S1) Gleyed Matrix (S4) | | Depleted Dar Redox Depre | | -7) | | | nd hydrology must be present, s disturbed or problematic. |
| | Layer (if present): | | | | | | | |
| Туре: | | | | | | | | |
| Depth (inc | ches): | | | | | | Hydric Soil | Present? Yes 🔼 No |
| Remarks: | | | | | | | | |
| 0 st | ve A-A=D | mad | dan | | | | | |
| Pari | | TEas | 1.00) | | | | | e |
| | | | | | | | | |
| HYDROLO | GY | | | | 1 | | | |
| Wetland Hy | drology Indicators: | | | | | | | |
| | cators (minimum of o | | d: check all that ap | oply) | _ | | Secon | dary Indicators (2 or more required) |
| Surface | Water (A1) | | Water-S | tained Leav | ves (B9) (e | xcept | | /ater-Stained Leaves (B9) (MLRA 1, 2, |
| 1 | ater Table (A2) | | MLR | A 1, 2, 4A, | and 4B) | | | 4A, and 4B) |
| X Saturatio | on (A3) | | Salt Cru | st (B11) | | | D | rainage Patterns (B10) |
| Water M | larks (B1) | | Aquatic | Invertebrate | es (B13) | | X D | ry-Season Water Table (C2) |
| | nt Deposits (B2) | | | en Sulfide O | | | | aturation Visible on Aerial Imagery (C9) |
| | posits (B3) | | | d Rhizosphe | | | | eomorphic Position (D2) |
| | at or Crust (B4) | | Presence | | • | | | hallow Aquitard (D3) |
| I — · | oosits (B5) | | | Iron Reduct | | | | AC-Neutral Test (D5) |
| | Soil Cracks (B6) on Visible on Aerial | Imagany /P | | or Stressec Explain in Re | | | | aised Ant Mounds (D6) (LRR A) |
| | Vegetated Concav | | · 、 | хранні к | enarks) | | FI | rost-Heave Hummocks (D7) |
| Field Obser | | o oundoo (| | | | | | |
| Surface Wate | | /es | No 🗶 Depth (| inches): | N/A | | | 5 |
| Water Table | | | | inches): | 22in | | | |
| Saturation P | | Yes X | | inches): | Oin | Wetla | and Hydrology | v Present? Yes X No |
| (includes cap | oillary fringe) | | | | | | | |
| Describe Re | corded Data (strean | ngauge, mo | onitoring well, aeria | al photos, p | revious ins | pections), | it available: | |
| - | | 1. | | | 1 | | | |
| Remarks: | 1000 | ortab | Le depth | artert | r 61 | 4 mc | ator | |
| 8 | VVVV | | - upin | 000000 | | 11.2 | ev G | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| WETLAND DETERMINATION DATA | FORM – V | Vestern Mour | ntains, Valleys, and Coast Region |
|--|-----------------|--------------------------------|---|
| Project/Site: Albee stadium | 011 /0 | . Ful | ella Sampling Date: 9/23/20 |
| Applicant/Owner: Eureka Gty Schools | City/Co | | Sampling Date. |
| Investigator(s): S. Rowe, S. Pally/ | | | State: CA Sampling Point: 7739C |
| | | | ge: NW4 Sec. 25, T4N, R1W, HBM |
| Landform (hillslope, terrace, etc.): <u>ferralce/hillsl</u> Subregion (LRR): M, MLRA - 4B Lat | Local | relief (concave, c | |
| Subregion (LRR): M, MLC M- 7 D Lai | « <u> 40.10</u> | 1000 | Long: -124.156403 Datum: WG584 |
| | | | Slife NWI classification: Non e |
| Are climatic / hydrologic conditions on the site typical for this time | | and the second second | |
| Are Vegetation, Soil, or Hydrology signific | | | Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology natura | | | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map show | wing sam | pling point lo | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No | <u> </u> | la the Complet | |
| Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No | <u> </u> | Is the Sampled within a Wetlan | |
| | | | |
| Remarks: W. of Grand Stand in Fen, S | wot . | 51 1140, 50 | everal feet uphill of much fen |
| - T.S. | | | |
| VEGETATION – Use scientific names of plants. | | | |
| 1 | | inant Indicator | Dominance Test worksheet: |
| | over Spec | Dies? Status | Number of Dominant Species 7 |
| 1. Scavoja sempervivens 2. Pices aitchessis | 5 1 | FAC | That Are OBL, FACW, or FAC: (A) |
| 3. | J | | Total Number of Dominant Species Across All Strata: 5 (B) |
| 4. | | | |
| | | al Cover | Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B) |
| Sapling/Shrub Stratum (Plot size:) | | 1 0111 | Prevalence Index worksheet: |
| 1. Casttheory Shallon | | TACU | Total % Cover of: Multiply by: |
| 2 | | | OBL species x 1 = |
| 4 | | | FACW species x 2 = |
| 5. | | | FAC species x 3 = |
| T(L I | 7 = Tot | al Cover | FACU species x 4 = |
| Herb Stratum (Plot size: 5ft) | - | - na1 | UPL species x 5 = |
| 1. Scipous microcarpul | 0 V | OBL | Column Totals: (A) (B) |
| 2. Athor in felix-feming | <u> </u> | - FAC FACW | Prevalence Index = B/A = |
| 3. Equisetion falmeterin 10 4. Asgram couldress 3 | <u> </u> | FACU | Hydrophytic Vegetation Indicators: |
| 5. Staches avgardes | · | OBL | 1 - Rapid Test for Hydrophytic Vegetation |
| 6 | | | 2 - Dominance Test is >50% |
| 7 | | | 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 54 5 | 9_= Tota | al Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 577) | | / SALI | |
| 1. <u>Heogra, kelix</u> | <u> </u> | TTCM | Hydrophytic Vegetation |
| |) = Tot: | al Cover | Present? Yes No |
| % Bare Ground in Herb Stratum | | | |
| Remarks: | | | |
| | | | |

- . .

Sampling Point: TP 39C

| | oth needed to docum | ent the i | ndicator | or confirm | the absence of | f indicators.) |
|---|---|---|--|--|--|--|
| Depth Matrix | Redox | Feature | s | | | |
| (inches) Color (moist) % | Color (moist) | % | Type ¹ | Loc ² | Texture | Remarks |
| 0-12 104R 2/2 100 | and the second second second | | | | SL | |
| 12-21 2.57 312 80 | 7.5YR 2,5/3 | 15 | <u> </u> | M | _L | |
| · | 51 512 | 5 | <u>D</u> | M | · · · · · · · · · · · · · · · · · · · | |
| 21-24+ 591 41 | 7.5YR 4/4 | 10 | C | ·PL | SL | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to al | | | | d Sand Gr | | tion: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ : |
| Histosol (A1) | | | cu.) | | | Muck (A10) |
| Histic Epipedon (A2) | Sandy Redox (S Stripped Matrix (| | | | | Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky M | | 1) (except | MLRA 1) | | Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed M | | | | | (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix | | | | | |
| Thick Dark Surface (A12) | Redox Dark Sur | face (F6) | | | ³ Indicators | of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark S | | 7) | | | d hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressi | ons (F8) | | | unless | disturbed or problematic. |
| Restrictive Layer (if present): | | | | | | |
| Туре: | <u> </u> | | | | | |
| Depth (inches): | | | | | Hydric Soil P | resent? Yes No |
| Remarks: | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| HYDROLOGY | | | | | | |
| | | | | | | |
| Wetland Hydrology Indicators: | | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | d; check all that apply |) | | | Second | ary Indicators (2 or more required) |
| | d; check all that apply | | es (B9) (c | xcept | | ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, |
| Primary Indicators (minimum of one require | Water-Stair | | | xcept | Wa | |
| Primary Indicators (minimum of one require Surface Water (A1) | Water-Stair | ned Leav I, 2, 4A, a | | xcept | Wa | ter-Stained Leaves (B9) (MLRA 1, 2, |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) | Water-Stair MLRA 1 | ned Leav , 2, 4A, ; B11) | and 4B) | xcept | Wa | ter-Stained Leaves (B9) (MLRA 1, 2, 4 A, and 4B) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stair MLRA 1 Salt Crust (| ned Leav I, 2, 4A, a B11) ertebrate | and 4B) es (B13) | xcept | Wa Dra Dry | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stair MLRA 1 Salt Crust (Aquatic Inv | ned Leav , 2, 4A, a B11) ertebrate Sulfide O | and 4B) es (B13) dor (C1) | 1 3 | Wa Dra Dry Sat | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) /-Season Water Table (C2) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S | ned Leav I, 2, 4A, a B11) ertebrate Sulfide O hizosphe | and 4B) es (B13) dor (C1) eres along | Living Roo | Wa Dra Sat Sat | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aeriał Imagery (C9) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen 5 Oxidized R | ned Leav (, 2, 4A, a (B11) ertebrate Sulfide O hizosphe | and 4B) es (B13) dor (C1) res along ed Iron (C | Living Roo 4) | — Wa — Dra — Dry — Sat Dts (C3) — Ge — Sh | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence c | ned Leav (, 2, 4A, a (B11) ertebrate Sulfide O hizosphe f Reduce n Reducti | and 4B) dor (C1) res along ed Iron (C on in Tille | Living Roo 4) d Soils (Cf | — Wa — Dra — Dry — Sat ots (C3) — Ge — Sh 6) — FA | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) 7-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or | ned Leav (, 2, 4A, a (B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed | and 4B) dor (C1) res along ed Iron (C on in Tille Plants (C | Living Roo 4) d Soils (Cf | | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface | Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence or Recent Iror Stunted or 37) Other (Exp | ned Leav (, 2, 4A, a (B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed | and 4B) dor (C1) res along ed Iron (C on in Tille Plants (C | Living Roo 4) d Soils (Cf | | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>k</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: | Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Stunted or Stunted or (B8) | ned Leav I, 2, 4A, i B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re | and 4B) dor (C1) res along ed Iron (C on in Tille Plants (C | Living Roo 4) d Soils (Cf | | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>k</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? | Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Stunted or Other (Exp (B8) No C Depth (inc | ned Leav , 2, 4A, ; B11) ertebrate Sulfide O hizosphe f Reduce n Reducti Stressed lain in Re | and 4B) dor (C1) res along ed Iron (C on in Tille Plants (C | Living Roo 4) d Soils (Cf | | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>k</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? | Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or 37) Other (Exp (B8) No C Depth (inc No Depth (inc | hed Leav I, 2, 4A, i B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re | and 4B) dor (C1) res along ed Iron (C on in Tille Plants (C | Living Roo 4) d Soils (Cf | | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>k</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or 37) Other (Exp (B8) | hed Leav I, 2, 4A, i B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re | and 4B) dor (C1) res along ed Iron (C on in Tille Plants (C | Living Rod 4) d Soils (Cf 1) (LRR A | — Wa — Dra — Dry — Sal ots (C3) — Ge — Sh 6) — FA 6) — FA | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>k</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Gaturation Present? Yes Saturation Present? Yes | Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Stunted or 37) Other (Exp (B8) No C Depth (inc No Depth (inc | hed Leav J , 2 , 4A , i B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re hes): thes): | and 4B) dor (C1) dor (C1) res along ed Iron (C Plants (C Plants (C Plants (C Plants) V/A V/A | Living Roc 4) d Soils (Cf 1) (LRR A | Wa Wa Wa Dry Dry Sa Sots (C3) Ge Sh Ory FA) FA) Ra Frc and Hydrology | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>r</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) sst-Heave Hummocks (D7) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Stunted or 37) Other (Exp (B8) No C Depth (inc No Depth (inc | hed Leav J , 2 , 4A , i B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re hes): thes): | and 4B) dor (C1) dor (C1) res along ed Iron (C Plants (C Plants (C Plants (C Plants) V/A V/A | Living Roc 4) d Soils (Cf 1) (LRR A | Wa Wa Wa Dry Dry Sa Sots (C3) Ge Sh Ory FA) FA) Ra Frc and Hydrology | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>r</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) sst-Heave Hummocks (D7) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Gaturation Present? Yes Saturation Present? Yes | Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Stunted or 37) Other (Exp (B8) No C Depth (inc No Depth (inc | hed Leav J , 2 , 4A , i B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re hes): thes): | and 4B) dor (C1) dor (C1) res along ed Iron (C Plants (C Plants (C Plants (C Plants) V/A V/A | Living Roc 4) d Soils (Cf 1) (LRR A | Wa Wa Wa Dry Dry Sa Sots (C3) Ge Sh Ory FA) FA) Ra Frc and Hydrology | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>r</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) sst-Heave Hummocks (D7) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Gaturation Present? Yes Opencipae (includes capillary fringe) Describe Recorded Data (stream gauge, mainterimed) | Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Stunted or 37) Other (Exp (B8) No C Depth (inc No Depth (inc | hed Leav J , 2 , 4A , i B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re hes): thes): | and 4B) dor (C1) dor (C1) res along ed Iron (C Plants (C Plants (C Plants (C Plants) V/A V/A | Living Roc 4) d Soils (Cf 1) (LRR A | Wa Wa Wa Dry Dry Sa Sots (C3) Ge Sh Ory FA) FA) Ra Frc and Hydrology | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>r</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) sst-Heave Hummocks (D7) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Gaturation Present? Yes Opencipae (includes capillary fringe) Describe Recorded Data (stream gauge, mainterimed) | Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Stunted or 37) Other (Exp (B8) No C Depth (inc No Depth (inc | hed Leav J , 2 , 4A , i B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re hes): thes): | and 4B) dor (C1) dor (C1) res along ed Iron (C Plants (C Plants (C Plants (C Plants) V/A V/A | Living Roc 4) d Soils (Cf 1) (LRR A | Wa Wa Wa Dry Dry Sa Sots (C3) Ge Sh Ory FA) FA) Ra Frc and Hydrology | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>r</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) sst-Heave Hummocks (D7) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Gaturation Present? Yes Opencipae (includes capillary fringe) Describe Recorded Data (stream gauge, mainterimed) | Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Stunted or 37) Other (Exp (B8) No C Depth (inc No Depth (inc | hed Leav J , 2 , 4A , i B11) ertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re hes): thes): | and 4B) dor (C1) dor (C1) res along ed Iron (C Plants (C Plants (C Plants (C Plants) V/A V/A | Living Roc 4) d Soils (Cf 1) (LRR A | Wa Wa Wa Dry Dry Sa Sots (C3) Ge Sh Ory FA) FA) Ra Frc and Hydrology | ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>r</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) sst-Heave Hummocks (D7) |

| WEILAND DETERMINATION D | AIAFORM – We | estern Moun | tains, Valleys, and Coast Region |
|---|--|--|---|
| Project/Site: Albee Stadium | City/Cou | nty: Eureles | Sampling Date: 9123/20 |
| Applicant/Owner: Eureka City Schools | 2 | | State: Sampling Point: 10 39 D |
| Investigator(s): SP / | Section, | Township, Ran | Be: NW& Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): | Local re | lief (concave, co | privex, none): None Slope (%): 2 |
| Subregion (LRR): A-MLRA-4B | Lat: 40.780 | 1072 | Long: -124.156374 Datum: W6584 |
| Soil Map Unit Name: 257-Leful-Condy | Mtn. Comptex | 2-15% | NWI classification: Non e |
| Are climatic / hydrologic conditions on the site typical for th | | | |
| Are Vegetation, Soil, or Hydrology | | | lormal Circumstances" present? Yes No |
| Are Vegetation, Soil, or Hydrology | | | ded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | showing samp | ling point lo | cations, transects, important features, etc. |
| Hydric Soil Present? Yes Wetland Hydrology Present? Yes | | the Sampled <i>i</i> vithin a Wetland | X |
| Remarks: New 39 C in Pen | | | |
| VEGETATION – Use scientific names of pla | nts. | | |
| Tree Stratum (Plot size: 30ff) | Absolute Domina <u>% Cover</u> Specie | ant Indicator | Dominance Test worksheet: |
| 1. Server Semenvers | <u>_// Cover</u> <u></u> | NL | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2. Salix 175 ndra | 10 V | FACW | |
| 3. Piceg sitchensis | 15 | FAC | Total Number of Dominant Species Across All Strata: (B) |
| 4 | | | |
| Sapling/Shrub Stratum (Plot size: 5ft) | 28 = Total | Cover 5.6 | Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75%</u> (A/B) |
| 1. Lous Urginus | T | FACU | Prevalence Index worksheet: |
| 2. Rubus americas | | FAC | Total % Cover of:Multiply by: |
| 3. | | | OBL species x 1 = |
| 4 | | | FACW species x 2 = |
| 5 | | | FAC species x 3 = |
| 5(+ | = Total | Cover | FACU species x 4 = |
| Herb Stratum (Plot size: 5ft) | U | FAC | UPL species x 5 = Column Totals: (A) |
| 2. Scirpus microcapes | 23 V | OBL | |
| 3. Stachys airsoides | 2 | 062 | Prevalence Index = B/A = |
| 4. Lysichitan americanus | 2 | OBL | Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Aswm caudown | 1 I | FACU | $\overline{\mathbf{X}}$ 2 - Dominance Test is >50% |
| 6. Equiselon toingtein | 1 | FACW | 3 - Prevalence Index is $\leq 3.0^{1}$ |
| 7 | | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 ₁ | - 23 | 16.5 | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 5ff) | | Cover 16.5 | |
| 1. Hedra helix | 5 1 | FACU | Hydrophytic |
| 2 | | | Vegetation Vegetation |
| % Bare Ground in Herb Stratum67 % | <u> </u> | Cover | Present? Yes <u></u> No |
| Remarks | la last los | -11 - | " |
| Rubus armeniacus not counted as | dominan, lec | sthan 5, | . Cover instruction Tlaum |

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al an

Sampling Point: 195

| Profile Descr | iption: (Describe | to the depth | needed to document th | e indicator or confi | rm the absence o | f indicators.) |
|-------------------------|--|----------------|---|--|---------------------------|---|
| Depth | Matrix | | Redox Featu | | - | |
| (inches) | Color (moist) | <u>%</u> | Color (moist) % | <u> </u> | Texture | Remarks |
| 0-11 | 10 42/2 | 100 | | | mick | |
| 11-18+ | 2.54 2.5/1 | 100 | | | mucky sind | |
| | | | | 8 | | |
| | | | | | | |
| | | ***** | x | | | |
| | | | · · · · | - | | |
| | | | | | | |
| | E | | | | | |
| | | | | | | |
| ¹ Type: C=Co | ncentration, D=Dep | letion, RM=R | educed Matrix, CS=Cove | red or Coated Sand | Grains. ² Loca | tion: PL=Pore Lining, M=Matrix. |
| Hydric Soil Ir | ndicators: (Applic | able to all LF | Rs, unless otherwise n | oted.) | | s for Problematic Hydric Soils ³ : |
| Histosol (| | _ | Sandy Redox (S5) | | | Muck (A10) |
| 👗 Histic Epi | | _ | _ Stripped Matrix (S6) | | | Parent Material (TF2) |
| Black His | | — | Loamy Mucky Mineral | | / | Shallow Dark Surface (TF12) |
| X Hydroger | n Sulfide (A4) Below Dark Surfac | - (411) | _ Loamy Gleyed Matrix (| F2) | Other | (Explain in Remarks) |
| | rk Surface (A12) | e (ATT) | Depleted Matrix (F3) Redox Dark Surface (F) | ·e) | ³ Indicators | s of hydrophytic vegetation and |
| | ucky Mineral (S1) | _ | _ Depleted Dark Surface (I _ Depleted Dark Surface | | | d hydrology must be present, |
| | eyed Matrix (S4) | | _ Redox Depressions (F | • • | | disturbed or problematic. |
| | ayer (if present): | | | | | |
| Type: | | | | | | . / |
| Depth (incl | hes): | | _ | | Hydric Soil P | Present? Yes 🔼 No |
| Remarks: | | | | | | |
| | | | | | | |
| | | | 18 C | | | |
| | | | | | | |
| | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | | |
| HYDROLOG | | | | | | |
| - | rology Indicators: | | * * * * * * * * * | | 21 | 1 10 10 10 10 10 10 10 10 10 10 10 10 10 |
| Names 2 | | ne required; (| check all that apply) | | | lary Indicators (2 or more required) |
| 10 | Vater (A1) | | | aves (B9) (except | | ater-Stained Leaves (B9) (MLRA 1, 2, |
| | er Table (A2) | | MLRA 1, 2, 44 | , and 4B) | | 4A, and 4B) |
| Saturation | | | Salt Crust (B11) | | | ainage Patterns (B10) |
| Water Ma | | | Aquatic Invertebra | | | y-Season Water Table (C2) |
| | t Deposits (B2) | | X Hydrogen Sulfide | | | turation Visible on Aerial Imagery (C9) |
| | osits (B3) | | | heres along Living R | | omorphic Position (D2) |
| Iron Depo | or Crust (B4) | | Presence of Redu | ction in Tilled Soils (| | allow Aquitard (D3) C-Neutral Test (D5) |
| | Soil Cracks (B6) | | | ed Plants (D1) (LRR | | ised Ant Mounds (D6) (LRR A) |
| | n Visible on Aerial I | manery (R7) | Other (Explain in | | | pst-Heave Hummocks (D7) |
| | Vegetated Concave | | | (onlarity) | | |
| Field Observ | | | //=: | | | |
| Surface Wate | | es No | Depth (inches): | Nerby | | |
| Water Table F | | es X No | | 2" | | ~ // |
| Saturation Pre | | es X No | | Suclare W | etland Hydrology | Present? Ves No |
| (includes capi | | | Doptin (inchico). | - the state of the | enand Hydrology | |
| Describe Rec | orded Data (stream | gauge, moni | toring well, aerial photos, | previous inspections | s), if available: | |
| | | | | | | |
| Remarks: | | | | | | |
| | | | | | 5 | |
| | | | | | | |
| 2 | | | | | | |
| | | | | | | |

| WETLAND DETERMINATION D | ATA FORM - V | Vestern Mounta | ins, Valleys, and Coast Region |
|--|---------------------|--|---|
| Project/Site: Albee Stadium | Citv/C | ounty: Eureka | Sampling Date: |
| Applicant/Owner: Eurena Gty Schools | | | _ State: CA Sampling Point: TP 39 E |
| Investigator(s): 54, 50 | Sectio | on, Township, Range | NWy Sec. 25, THN, R1W, HBM |
| Landform (hillslope, terrace, etc.): +2// CC | Local | | vex, none): <u>none</u> Slope (%): <u>5</u> |
| Subregion (LRR): A, MURA - 4B | Lat: 40.78 | a 10 1) | ong: -124.156901 Datum: WGS 84 |
| Soil Map Unit Name: | Mtn. Comple | and the second sec | Stopes NWI classification: |
| Are climatic / hydrologic conditions on the site typical for the | | | |
| Are Vegetation, Soil, or Hydrology | | | mal Circumstances" present? Yes No |
| Are Vegetation _X, Soil _X_, or Hydrology | | • | d, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | o showing sam | pling point loca | ations, transects, important features, etc. |
| | No | Is the Sampled Are | |
| | No No | within a Wetland? | Y |
| | | èm an E. | -de f (B |
| see note in Veg Seci | | | |
| | | it section | |
| VEGETATION – Use scientific names of pla | | inant Indiantos D | |
| Tree Stratum (Plot size: 30 A | <u>% Cover</u> Spec | side? Statue | ominance Test worksheet: umber of Dominant Species |
| 1. <u>Sequina Sempenivens</u> | - 8 - | | hat Are OBL, FACW, or FAC: (A) |
| 2. Pseudotsuga Menziesi | 25 1 | 16.57 | otal Number of Dominant 5 |
| 4 | | SI | pecies Across All Strata: (B) |
| | 33 = Tot | | ercent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 54) | 3 | FACIA PI | revalence Index worksheet: |
| 2 | | - 1104 - | Total % Cover of: Multiply by: |
| 3 | | | BL species x 1 = |
| 4 | | | ACW species $x_2 = 16$ AC species $x_3 = 30$ |
| 5 | | | ACU species 103 x 4 = 412 |
| Herb Stratum (Plot size: 57) | = 1 ot | - 14 | PL species x 5 = |
| 1 Admynum filix-feming | _ <u>lo</u> _r | AC C | olumn Totals: 129 (A) 498 (B) |
| 2. Equiser trainstein 3. Juncus effisis | - 2 - | FACW H | Prevalence Index = B/A = <u>3.8</u> |
| 4 | | | ydrophytic Vegetation Indicators: _ 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | | 2 - Dominance Test is >50% |
| 6 | | | _ 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | 2 | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Ir | ndicators of hydric soil and wetland hydrology must |
| Woody Vine Stratum (Plot size: 5ff.) | = Tota | al Cover 3.6 | e present, unless disturbed or problematic. |
| 1. Hedra helix | 75 V | FACU H | ydrophytic |
| 2 | | Ve | egetation V |
| % Bare Ground in Herb Stratum 82% | = Tota | al Cover | resent? Yes No |
| Remarks: | N 1 1 1 | 0 | |
| - I has a quitelism not considered | dominant, he | other 51 | averinstration, 1 |
| - Invosive Herdera helix creation | gfabe d | annance by | ypland vesteration |
| US Army Corps of Engineers | J | / | Vestern Mountains, Valleys, and Coast - Version 2.0 |

US Army Corps of Engineers

Western Mountains, Valleys, and Coast - Version 2.0

| SUIL |
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Sampling Point: 1939E

| Tronic Dese | rintion: (Describe t | o the den | th needed to docur | ment the i | ndicator | or confirm | the absence | of indicators.) | | | | | |
|---|--|--|--|--|---|---|---|--|--|--|--|--|--|
| Depth | Matrix | o the dep | | x Features | | | | | | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | _Loc ² | Texture | Remarks | | | | | |
| 0-5 | 7.5 YR 2.5/1 | 100 | | | | | | Organic material/cost mat | | | | | |
| 5-11 | 10 YR 2/1 | 100 | | | | | muck | | | | | | |
| 11-13 | 10 YR 3/1 | 60 | 104R 2/1 | 25 | ¢ | M | SL | | | | | | |
| 1 | | | 10 YR 4/1 | 15 | 0 | M | | | | | | | |
| 13-24+ | 544 5/1 | 70 | 104R 2/1 | 5 | C | M | | | | | | | |
| 10 -1 | | | 7.54R4/4 | 15 | 6 | PI | | | | | | | |
| | | | 54R 314 | tD | \overline{c} | PL | | | | | | | |
| 2 | | | 512 0.7 | 10 | | 10 | 3 | | | | | | |
| 17.000 | | | | | | d Cond Cr | 21.00 | ation: DI - Dara Lining M-Matrix | | | | | |
| and the second se | ncentration, D=Depl ndicators: (Applica | Construction of the second | | | | d Sand Gr | | ation: PL=Pore Lining, M=Matrix. rs for Problematic Hydric Soils ³ : | | | | | |
| Histosol | | | Sandy Redox (| | | | | 1 Muck (A10) 🗲 | | | | | |
| | ipedon (A2) | | Stripped Matrix | | | | | Parent Material (TF2) | | | | | |
| Black His | | | Loamy Mucky | | | MLRA 1) | | Shallow Dark Surface (TF12) | | | | | |
| | n Sulfide (A4) | 10443 | Loamy Gleyed | |) | | 🕺 Othe | er (Explain in Remarks) Ӿ | | | | | |
| | l Below Dark Surface rk Surface (A12) • | e (A11) | Depleted Matrix Redox Dark Su | | | | ³ Indicato | rs of hydrophytic vegetation and | | | | | |
| | lucky Mineral (S1) | | Depleted Dark | | 7) | | | nd hydrology must be present, | | | | | |
| Sandy G | leyed Matrix (S4) | | Redox Depress | sions (F8) | | | unles | s disturbed or problematic. | | | | | |
| Restrictive L | ayer (if present): | | | | | | | | | | | | |
| Туре: | | | | | | | | X | | | | | |
| Depth (inc | , | | | | | | Hydric Soil | | | | | | |
| Remarks: | ledera he | (ix c | reating 5 | " Mia | t of | for | est dut | F-INED 42m | | | | | |
| which | impedes 1 | 411 | IN AIT is | likel | JM | et | | | | | | | |
| | 4 | | <u>.</u> | | 1 | Remarks: Hedera helix creating SI mat of forest dutt-like O G2n which impedes All-in All is likely met | | | | | | | |
| | | | | | | | | | | | | | |
| HYDROLOGY | | | | | | | | | | | | | |
| HTURULU | GY | | | | | | | ÷ | | | | | |
| | GY drology Indicators: | | | | | | | | | | | | |
| Wetland Hyd | | ne require | d; check all that app | ly) | | | Seco | ndary Indicators (2 or more required) | | | | | |
| Wetland Hyd Primary Indic Surface | drology Indicators: ators (minimum of o Water (A1) | ne require | Water-Sta | ained Leav | | except | | /ater-Stained Leaves (B9) (MLRA 1, 2, | | | | | |
| Wetland Hyd Primary Indic Surface | drology Indicators: ators (minimum of or Water (A1) ter Table (A2) | ne require | Water-Sta MLRA | ained Leav 1, 2, 4A, a | | xcept | V | /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) | | | | | |
| Wetland Hyd Primary Indic Surface High Wa Saturatio | drology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) | ne require | Water-Sta MLRA Salt Crust | ained Leav . 1, 2, 4A, a t (B11) | and 4B) | xcept | V | /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) | | | | | |
| Wetland Hyd Primary Indic Surface High Wa Saturatic Water M | drology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) | ne require | Water-Sta MLRA Salt Crust Aquatic In | ained Leav 1 , 2, 4A, a t (B11) nvertebrate | and 4B) s (B13) | except | W D | /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) | | | | | |
| Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen | drology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) nt Deposits (B2) | ne require | Water-Sta MLRA Salt Crusi Aquatic In Hydrogen | ained Leav 1, 2, 4A, a t (B11) nvertebrate o Sulfide Od | and 4B) es (B13) dor (C1) | | W S | /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) | | | | | |
| Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep | drology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) posits (B3) | ne require | Uter-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized | ained Leav 1, 2, 4A, a t (B11) nvertebrate Sulfide Oo Rhizosphe | and 4B) es (B13) dor (C1) res along | Living Roo | W D S S | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) seomorphic Position (D2) | | | | | |
| Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Algal Ma | drology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) nt Deposits (B2) | ne require | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized | ained Leav 1, 2, 4A, a t (B11) nvertebrate o Sulfide Od | and 4B) es (B13) dor (C1) res along ed Iron (C | Living Roc 4) | W | /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) | | | | | |
| Wetland Hyd Primary India Surface High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep | drology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) | ne require | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized Presence Recent Ind | ained Leav 1, 2, 4A, a (B11) ivertebrate Sulfide Oo Rhizosphe of Reduce | and 4B) s (B13) dor (C1) res along ed Iron (C on in Tille | Living Roo 4) d Soils (Ce | W X D D D D D D D D D D D D D | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) seomorphic Position (D2) hallow Aquitard (D3) | | | | | |
| Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Surface Inundatio | trology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) tt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial In | magery (B | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized Presence Recent In Stunted o Stunted o | ained Leave 1, 2, 4A, a (B11) invertebrate Sulfide Ou Rhizosphe of Reduce on Reducti | and 4B) es (B13) dor (C1) res along ed Iron (C on in Tille Plants (E | Living Roo 4) d Soils (Ce | W | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) ecomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) | | | | | |
| Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Surface Inundatio | trology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) posits (B3) at or Crust (B4) nosits (B5) Soil Cracks (B6) | magery (B | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized Presence Recent In Stunted o Stunted o | ained Leave 1, 2, 4A, a (B11) ivertebrate Sulfide Oc Rhizosphe of Reduce on Reducti or Stressed | and 4B) es (B13) dor (C1) res along ed Iron (C on in Tille Plants (E | Living Roo 4) d Soils (Ce | W | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) | | | | | |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Obser | Arology Indicators: ators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) bosits (B3) at or Crust (B4) bosits (B5) Soil Cracks (B6) on Visible on Aerial In v Vegetated Concave vations: | magery (E Surface (| Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized Presence Recent In Stunted o 37) Other (Ex (B8) | ained Leave 1, 2, 4A, a (B11) ivertebrate o Sulfide Oo Rhizosphe of Reduce on Reducti or Stressed splain in Re | and 4B) es (B13) dor (C1) res along ed Iron (C on in Tille Plants (E | Living Roo 4) d Soils (Ce | W | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) | | | | | |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Observer | drology Indicators: ators (minimum of of Water (A1) ter Table (A2) on (A3) arks (B1) nt Deposits (B2) oosits (B3) at or Crust (B4) iosits (B5) Soil Cracks (B6) on Visible on Aerial Iu v Vegetated Concave vations: er Present? | magery (E Surface) es | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized Presence Recent In Stunted o Stunted o Other (Ex (B8) | ained Leave 1, 2, 4A, a (B11) invertebrate of Reduce of Reduce on Reduction or Stressed aplain in Re- anches): | and 4B) (B13) (dor (C1) res along (dor (dor (dor (dor (dor (dor (dor (dor | Living Roo 4) d Soils (Ce | W | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) | | | | | |
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WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

| Project/Site: Albee Stadium | City/County: Evrela Sampling Date: 9/23/20 | | | | | | |
|---|--|--|--|--|--|--|--|
| Applicant/Owner: Eureka City Schools | State; CA Sampling Point: TP 39 F | | | | | | |
| Investigator(s): _S. Rowe, 5. Poly | Section, Township, Range: NW4 Sec. 25, T4N, R1W, HBM | | | | | | |
| Landform (hillslope, terrace, etc.): hill slope | Local relief (concave, convex, none): <u>Mone</u> Slope (%):25 | | | | | | |
| Subregion (LRR): A, MLRA - 9B Lat: 4 | 0.789017 Long: ~124.156358 Datum: WGS 84 | | | | | | |
| Soil Map Unit Name: 257-Lepoil-Condy Mtn. Com | plex, 2-15% slopes NWI classification: Non C | | | | | | |
| Are climatic / hydrologic conditions on the site typical for this time of y | ear? Yes 🔀 No (If no, explain in Remarks.) | | | | | | |
| Are Vegetation, Soil, or Hydrology significantly | y disturbed? Are "Normal Circumstances" present? Yes K. No | | | | | | |
| Are Vegetation, Soil, or Hydrology naturally pr | roblematic? (If needed, explain any answers in Remarks.) | | | | | | |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. | | | | | | | |
| Hydrophytic Vegetation Present? Yes K No | | | | | | | |
| Hydric Soil Present? Yes No | Is the Sampled Area | | | | | | |
| Wetland Hydrology Present? Yes No | within a Wetland? Yes No | | | | | | |
| Remarks: | | | | | | | |
| | | | | | | | |
| | <i>t</i> | | | | | | |

VEGETATION – Use scientific names of plants.

| 200 | Absolute | Dominant | Indicator | Dominance Test worksheet: |
|--|----------|-------------|-----------|---|
| Tree Stratum (Plot size: <u>30ft</u>) | % Cover | Species? | Status | Number of Dominant Species |
| 1. Servoin Semannens | 7 | | NL | That Are OBL, FACW, or FAC: (A) |
| 2. Puerlotauga menzicai | 30 | 1 | FACL | |
| 3. | | V | | Total Number of Dominant Species Across All Strata: |
| 4 | | | | · · · · · · · · · · · · · · · · · · · |
| | 27 | = Total Co | 18.5 | Percent of Dominant Species 50 % (A/B) |
| Sapling/Shrub Stratum (Plot size: 574) | 21 | - Total Co | ver 74 | |
| 1. Hex agriblion | 2 | | FACIL | Prevalence Index worksheet: |
| 2 | | | mend | Total % Cover of:Multiply by: |
| | | | | OBL species x 1 = |
| 3 | | | | FACW species x 2 = |
| 4 | | | | FAC species x 3 = |
| 5 | | - | | FACU species x 4 = |
| Herb Stratum (Plot size: 51+) | _L_ | = Total Co | ver | UPL species x 5 = |
| 1. Adhyning filix-ferring | 2 | V | FAL | Column Totals: (A) (B) |
| 2. Equisition felmeia | 1 | Y | FACW | Prevalence Index = B/A = |
| 3. Mainstheman racemosun | 1 | y_ | FAC | Hydrophytic Vegetation Indicators: |
| 4 | | 1 | | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | | | 2 - Dominance Test is >50% |
| 6 | | | | |
| | | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | | | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 4 | = Total Cov | In La | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 544) | | _ 10(a) 00(| | |
| 1. Hedera, helix | 70 | | FACU | Hydrophytic |
| 2 | | | | Vegetation |
| 0 (1 | 70 | = Total Cov | | Present? Yes No |
| % Bare Ground in Herb Stratum 96 % | 1- | | | |
| Remarks: | and - | | 10.1 | laccore b did - 1 |
| Elex agrifiture not considered l | nminand | 01 | accomt | of low cover by shike tration |
| | | | | 1 |

Sampling Point: 1939F

ì

| Profile Desc | ription: | (Describe | to the dep | oth needed to docu | ment the | indicator | or confirm | the absence o | f indicators.) |
|--------------------------------|-----------|------------|-------------|-----------------------------|------------|-------------------|---------------------|---------------|---|
| Depth | | Matrix | | | x Feature | | ~ | | |
| (inches) | | r (moist) | % | Color (moist) | % | Type ¹ | _Loc ² _ | Texture | Remarks |
| 0-16 | 10 YR | 212 | 100 | | | | · · · · | SL | |
| 16-24+ | 10 4 | 5/1 | 90 | 2.54 21 | 10 | C | M | SL | |
| | | | | | | | | 1 | |
| | | | | | | | · | | |
| | | | | | | ·) | | | |
| | | | | 0- <u></u> | <u> </u> | | | · | |
| | | | | | | 0 | · | | |
| | | | | | | | | | |
| | - | | | | | | | | |
| | | ion D-Do | plotion PM | =Reduced Matrix, C | | d or Coat | d Sand Cr | | tion: PL=Pore Lining, M=Matrix. |
| | | | | LRRs, unless othe | | | Su Sanu Gr | | s for Problematic Hydric Soils ³ : |
| Histosol | | | | Sandy Redox (| | , | | | Muck (A10) |
| Histic Ep | • • | A2) | | Stripped Matrix | | | | | Parent Material (TF2) |
| Black His | , , | , | | Loamy Mucky I | | 1) (ехсер | t MLRA 1) | | Shallow Dark Surface (TF12) |
| Hydroge | | (A4) | | Loamy Gleyed | | | | | (Explain in Remarks) |
| Depleted | l Below [| Dark Surfa | ce (A11) | Depleted Matrix | (F3) | | | | |
| Thick Da | | | | Redox Dark Su | | , | | | s of hydrophytic vegetation and |
| | - | neral (S1) | | Depleted Dark | | , | | | d hydrology must be present, |
| | - | atrix (S4) | | Redox Depress | sions (F8) | | | unless | disturbed or problematic. |
| Restrictive L | | | | | | | | | |
| | | | | | | | | | X |
| | ches): | | | | | | | Hydric Soil F | Present? Yes No |
| Remarks: | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| HYDROLO | GY | | | | | | | | |
| | | Indicators | _ | | | | | | |
| Wetland Hyd | | | | de referente all de sé anne | | | | • | |
| | | | one require | d; check all that app | | (20) (| | | dary Indicators (2 or more required) |
| Surface | • | , | | Water-Sta | | | except | | ater-Stained Leaves (B9) (MLRA 1, 2, |
| High Wa | | e (A2) | | | 1, 2, 4A, | and 4B) | | | 4A, and 4B) |
| Saturatio | · / | 、 | | Salt Crust | · · | (540) | | | ainage Patterns (B10) |
| Water M | | | | Aquatic In | | · · | | | y-Season Water Table (C2) |
| Sedimen | | | | Hydrogen | | | Lides Dee | | turation Visible on Aerial Imagery (C9) |
| Drift Dep | • | · | | | | - | Living Roo | | eomorphic Position (D2) |
| Algal Ma | | | | Presence | | | 4) ed Soils (C6 | | allow Aquitard (D3) |
| Surface | | | | | | | 01) (LRR A | | C-Neutral Test (D5) |
| | | | Imagery (E | | | | | | ised Ant Mounds (D6) (LRR A) |
| | | | /e Surface | · <u> </u> | | emaiks) | | FR | ost-Heave Hummocks (D7) |
| Field Observ | - | eu concar | le Sullace | (60) | | 1. | | | |
| Surface Wate | | at2 . | Yes | No X Depth (ir | chos); | N/A | | | |
| | | | | | | 10. | | | 1 |
| Water Table | | | Yes | 1 | | 1 dim | - | | |
| Saturation Pr (includes cap | | | Yes | No X Depth (in | ches): | 1210 | Wetla | and Hydrology | Present? Yes No |
| | | | n gauge, m | onitoring well, aerial | photos, p | revious in: | spections), | if available: | 1 |
| | | | | | | | | | |
| Remarks: | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| WETLAND DETERMINATION DA | | Western Moui | ntains, Valleys, ar | nd Coast Region |
|---|-----------------------------|----------------------------------|--|---|
| Project/Site: Albee Stadium | Citv/C | County: EU | ella | _ Sampling Date: |
| Applicant/Owner: Eureka Gity Schools | | | State: CA | Sampling Point: TP 31 |
| Investigator(s): SR, SP | Sectio | on, Township, Rar | nge: NWy Sec. 2 | |
| Landform (hillslope, terrace, etc.): 4:115 (op C | | | convex, none): Non | |
| | Lat: 40.7 | 88657 | Long -124.15 | 6649° Datum: WGS 84 |
| Soil Map Unit Name: 257 | <u> </u> | | | ication: Mane |
| Are climatic / hydrologic conditions on the site typical for this | time of year? Y | | (If no, explain in | |
| Are Vegetation, Soil, or Hydrology s | | | Normal Circumstances | |
| Are Vegetation, Soil, or Hydrology n | 70 SI | | eded, explain any answ | C |
| SUMMARY OF FINDINGS – Attach site map | | | ocations, transect | s, important features, etc. |
| | 0 | | | 1 |
| | o | Is the Sampled | | Χ |
| Wetland Hydrology Present? Yes X N | o 0 | within a Wetlan | d? Yes | <u> </u> |
| Remarks: In the drew iciding + the fence N contains debits, tash - channed force points SEE VES Remarks below | ear access gal | t from main ca | mpus | |
| VEGETATION – Use scientific names of plan | ts. | | | |
| Tree Stratum (Plot size: 30 ft) | Absolute Don % Cover Spe | ninant Indicator cies? Status | Dominance Test wo | |
| 1. Seguria semperations | <u>45</u> | NL | Number of Dominant That Are OBL, FACW | |
| 2. Almos apra | 8 | FAC | | 2.221 |
| 3 | | | Total Number of Dom Species Across All St | |
| 4 | | | | -h |
| Sapling/Shrub Stratum (Plot size: 5ft-) | _ 53 = To | tal Cover 26.5 | Percent of Dominant That Are OBL, FACW | |
| | - | 1.20 | Prevalence Index wo | orksheet: |
| 1. Fransula purshiana | <u> </u> | INC INC | Total % Cover of | Multiply by: |
| 3. | | | OBL species | x 1 = <u>5</u> |
| 4 | | | FACW species | x 2 = <u>4</u> |
| 5. | | | FAC species | $\frac{2}{x_3} = \frac{306}{100}$ |
| | 7 = To | tal Cover | FACU species | x4= 44 |
| Herb Stratum (Plot size: 54) | | ED CLL | UPL species | |
| 1. folystichen mention | | theu | Column Totals: 16 | |
| 2. Crocosmia X enconi, flora | 80 V | TAU | Prevalence Inde | ex = B/A = 3.54 |
| 3. Equiselan telmateix | | TACW | Hydrophytic Vegeta | |
| 4. <u>Gynelim cronege</u> 5. Arthynus filix teming | | TAC | | r Hydrophytic Vegetation |
| 6. Scippy microarpys | 5 | OBL | 2 - Dominance T | |
| 7 | · | | 3 - Prevalence In | |
| 8. | | | data in Remai | Adaptations ¹ (Provide supporting ks or on a separate sheet) |
| 9 | | | 5 - Wetland Non- | Vascular Plants ¹ |
| 10 | | | X Problematic Hydr | ophytic Vegetation ¹ (Explain) |
| 11 | | | | oil and wetland hydrology must |
| 54 | 97 = Tot | al Cover | be present, unless dis | sturbed or problematic. |
| Woody Vine Stratum (Plot size: 5ff) | <i>d</i> . | / FACIL | | |
| 2 2 | · / | | Hydrophytic Vegetation | \mathbf{V} |
| <u> </u> | 8 = Tot | al Cover | Present? | /es 🔼 No |
| % Bare Ground in Herb Stratum 3 /. | = 100 | | 11 | |
| Remarks: | lation | 1. 1 1 | nditric al | 1 I MILIN |
| * Invarive species may a * sequera dripline extent | DURSON E V | vetland u | names at | the location (Hohelix) |
| * Sequoia dripline extent | not cep. | resentati | re of soils | ghydrology 1 |

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Sampling Point: TP 39 G

| Profile Desc | ription: (Describe | to the dep | th needed to docum | nent the i | ndicator | or confirm | the absence of inc | licators.) |
|--------------------------------|--|------------|--------------------------|-------------|-------------------|------------------|-----------------------------|---|
| Depth | Matrix | | | x Features | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | Remarks |
| 0-6 | 104R2/1 | 100 | | | | - | Muchy 5 | |
| 6-12 | 10 YR 3/1 | 95 | 10 YR 314 | 5 | C | PZ | SL | |
| 12-24+ | 2.54 5/1 | 95 | 10 XR346 | 5 | C | M | SI | |
| N | | | | | | | | |
| | | · | | - | | | | |
| | | · | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| ¹ Type: C=Cc | ncentration D=Den | letion RM: | | | d or Coate | d Sand Gr | ains ² Location: | PL=Pore Lining, M=Matrix. |
| | | | LRRs, unless other | | | u Sanu Gr | | Problematic Hydric Soils ³ : |
| Histosol | | | Sandy Redox (S | | , | | 2 cm Muc | |
| | ipedon (A2) | | Stripped Matrix | | | | | nt Material (TF2) |
| Black His | | | Loamy Mucky N | • • | 1) (except | MLRA 1) | | low Dark Surface (TF12) |
| Hydroge | n Sulfide (A4) | | Loamy Gleyed I | | | | | plain in Remarks) |
| | Below Dark Surfac | e (A11) | Depleted Matrix | : (F3) | | | | |
| | rk Surface (A12) | | Redox Dark Su | | | | | hydrophytic vegetation and |
| | ucky Mineral (S1) | | Depleted Dark S | - | 7) | | | drology must be present, |
| | leyed Matrix (S4) | | Redox Depress | ions (F8) | | | unless dist | urbed or problematic. |
| | ayer (if present): | | | | | | | |
| Type: | | _ | | | | | | X |
| Depth (inc | | | | | | | Hydric Soil Pres | ent? Yes No |
| Remarks: | ancrete, | | | | | | | B |
| wig | epsec church | | | | | | | |
| | | | | | | | | |
| | | | | 9 | 3 | | | |
| HYDROLO | GY | | | | | | | |
| | rology Indicators: | | | | | | | |
| | | | d; check all that apply | | | | Cocondoc | |
| G. | | me require | | | (DO) (| | | Indicators (2 or more required) |
| | Water (A1) | | Water-Stai | | | xcept | | Stained Leaves (B9) (MLRA 1, 2, |
| | ter Table (A2) | | | 1, 2, 4A, a | and 4B) | | | and 4B) |
| X Saturatio | | | Salt Crust | | - (D40) | | | ge Patterns (B10) |
| | arks (B1) | | Aquatic Inv | | • • | | | ason Water Table (C2) |
| | t Deposits (B2) | | Hydrogen | | | | | ion Visible on Aerial Imagery (C9) |
| | osits (B3) | | | | - | Living Roc | | prphic Position (D2) |
| | t or Crust (B4) | | Presence | | | | | v Aquitard (D3) |
| | osits (B5) | | | | | d Soils (C6 | | eutral Test (D5) |
| | Soil Cracks (B6) on Visible on Aerial I | magan (P | Stunted or | | | | | Ant Mounds (D6) (LRR A) |
| | Vegetated Concave | | | | marks) | | FI0SL-F | leave Hummocks (D7) |
| Field Observ | | e Sunace (| 50) | | | _ | | |
| Surface Wate | | 00 | No X Depth (in | choc); | | | | |
| | | 12 | | ches): | | | | S. 1 |
| Water Table | | 1 | | | - | | | |
| Saturation Pr (includes cap | | es X | No Depth (in | ches): | MINU | Wetla | and Hydrology Pres | sent? Yes No |
| | | gauge, mo | onitoring well, aerial p | photos, pr | evious ins | spections), | if available: | |
| | | | | | | | | |
| Remarks: | | | | | | 2 | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | 04 | a. | |

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| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region | | | | | | | |
|---|--|--|--|--|--|--|--|
| Project/Site: Abec Stadium City/County: Eurella Sampling Date: 9123/20 | | | | | | | |
| Applicant/Owner: EUreka City Schools State: A Sampling Point: TP 39 H | | | | | | | |
| Investigator(s): 52, 5P Section, Township, Range: NW4 Sec. 25, T4N, R1W, HBM | | | | | | | |
| Landform (hillslope, terrace, etc.): h: ((slope) Local relief (concave, convex, none): Man e Slope (%): 10 | | | | | | | |
| Subregion (LRR): A, MLRA - 4B Lat: 40.788659° Long: -124. 156624° Datum: W6584 | | | | | | | |
| Soil Map Unit Name: 257-Lepoil-Condy Mtn. Complex, 2-15% slopes NWI classification: Mare | | | | | | | |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) | | | | | | | |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 📈 No | | | | | | | |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) | | | | | | | |
| SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. | | | | | | | |
| Hydrophytic Vegetation Present? Yes No | | | | | | | |
| Hydric Soil Present? Yes No X Is the Sampled Area within a Wetland? Yes No | | | | | | | |
| Wetland Hydrology Present? Yes No within a wetland? Yes No | | | | | | | |
| Remarks: Up ~ 1.5 ft from wetherd (TP 39G) | | | | | | | |
| | | | | | | | |
| | | | | | | | |

VEGETATION – Use scientific names of plants.

| 0.00 | Absolute D | ominant Indicator | Dominance Test worksheet: |
|--|------------|-------------------|---|
| Tree Stratum (Plot size: 304+) | % Cover S | pecies? Status | Number of Dominant Species 1 |
| 1. Seguria semponens | 45 | NZ NZ | That Are OBL, FACW, or FAC: |
| 2. Almus rulorg | 6 | FAC | Total Number of Dominant 3 |
| 3 | | | Species Across All Strata: |
| 4 | | | |
| Sapling/Shrub Stratum (Plot size: 54) | 51 = | Total Cover 23.5 | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| 1. Franzula purshisna | 12 | CAC | Prevalence Index worksheet: |
| | | I | Total % Cover of: Multiply by: |
| | | | OBL species x 1 = |
| 3 | | | FACW species x 2 = |
| 4 | | | FAC species x 3 = |
| 5 | 4 | | FACU species x 4 = |
| Herb Stratum (Plot size: 5++ | = | Total Cover | UPL species x 5 = |
| 1. Sciepus microcarpus | | QBL | Column Totals: (A) (B) |
| 2. Crocosmia X crocomil flora | | FAC | Prevalence Index = B/A = |
| 3. Polystichum minim | 27 C | - tACU | Hydrophytic Vegetation Indicators: |
| 4. Equisebon telenctrig | | FACW | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | | 2 - Dominance Test is >50% |
| 6 | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | _ | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 47 =1 | Total Cover 23.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 511) | | | |
| 1. Hedra helix | 30 | FACU | Hydrophytic |
| 2 | | | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum 53% | <u> </u> | Total Cover | Present? Yes No |
| Remarks: Dura de Audie a de Las de | d Lute | 1 active | in the Silver Are |
| Remarks: Azangula purstiana not consider | to somind | int as the | is too Than "I contrin struct |
| V | | | Statim |

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Sampling Point: TP 39 H

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| Profile Desci | ription: (Describe | to the dept | th needed to docur | nent the i | ndicator | or contirm | the absence of | of indicators.) |
|---|---|---|--|--|--|---|---|--|
| Depth | Matrix | | | x Features | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | _Loc ² | Texture | Remarks |
| 0-10 | 10YR2/2 | 100 | | 1 | | | SL | |
| 10-16 | 10 YR 3/1 | 90 | 10 YR 313 | 10 | C | 84 | SL | |
| 16-24+ | | 60 | 5 1 3/1 | 30 | <u> </u> | ~ | SL | |
| | | | 7.5 YR 3/4 | 10 | 2 | PL | | |
| | | | - 113 (16 m 1 | | | _[| | |
| | | | | | | | | |
| | | | | | | | | |
| | | · <u> </u> | | | | | | |
| | | | | | | | | |
| ¹ Type: C=Co | ncentration, D=Dep | letion, RM= | Reduced Matrix, CS | S=Covered | d or Coate | d Sand Gr | ains. ² Loca | ation: PL=Pore Lining, M=Matrix. |
| Hydric Soil I | ndicators: (Applica | able to all | LRRs, unless other | wise not | ed.) | | Indicator | rs for Problematic Hydric Soils ³ : |
| Histosol (| (A1) | | Sandy Redox (S | S5) | | | 2 cm | Muck (A10) |
| | ipedon (A2) | | Stripped Matrix | | | | | Parent Material (TF2) |
| Black His | | | Loamy Mucky N | | | MLRA 1) | | Shallow Dark Surface (TF12) |
| | n Sulfide (A4) | (5.4.4) | Loamy Gleyed | |) | | Othe | r (Explain in Remarks) |
| | Below Dark Surface rk Surface (A12) | e (A11) | Depleted Matrix Redox Dark Su | | | | ³ Indianta | rs of hydrophytic vegetation and |
| | ucky Mineral (S1) | | Depleted Dark | | | | | ad hydrology must be present, |
| | leyed Matrix (S4) | | Redox Depress | - | • / | | | s disturbed or problematic |
| | ayer (if present): | | | | | | | |
| Туре: | | | | | | | | |
| | | | | | | | | |
| Depth (inc | hes): | | | | | | Hydric Soil | Present? Yes No 🔨 |
| Depth (incl Remarks: | hes): | | | | | | Hydric Soil | Present? Yes No |
| | hes): | | | | | | Hydric Soil | Present? Yes <u>No </u> |
| | hes): | | | | | | Hydric Soil | Present? Yes <u>No </u> |
| | hes): | | | | | | Hydric Soil | Present? Yes No |
| Remarks: | | | | | | | Hydric Soil | Present? Yes <u>No </u> |
| Remarks: | GY | | | | | | Hydric Soil | Present? Yes No |
| Remarks: HYDROLOC Wetland Hyd | GY rology Indicators: | ne required | t: check all that appl | v) | | | | |
| Remarks: HYDROLOO Wetland Hyd Primary Indica | GY rology Indicators: ators (minimum of o | ne requirec | t: check all that appl Water-Sta | | es (B9) (e | xcept | Secon | dary Indicators (2 or more required) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface W | GY rology Indicators: ators (minimum of o Water (A1) | ne requirec | Water-Sta | ined Leav | | xcept | Secon | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat | GY rology Indicators: ators (minimum of o Water (A1) ær Table (A2) | ne requirec | Water-Sta MLRA | ined Leav 1, 2, 4A, a | | xcept | <u>Secon</u> W | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio | GY rology Indicators: ators (minimum of o Water (A1) eer Table (A2) n (A3) | ne requirec | Water-Sta MLRA Salt Crust | ined Leav 1, 2, 4A, a (B11) | and 4B) | xcept | <u>Secon</u> W W | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma | GY rology Indicators: ators (minimum of o Water (A1) eer Table (A2) n (A3) | ne requirec | Uater-Sta MLRA Salt Crust Aquatic In | ined Leav 1, 2, 4A, a (B11) vertebrate | and 4B) s (B13) | xcept | <u>Secon</u> W Dr Dr | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma Sedimen | GY rology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) | ne requirec | Water-Sta MLRA Salt Crust Aquatic In Hydrogen | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Od | and 4B) s (B13) dor (C1) | xcept | <u>Secon</u> W Dr Dr Dr Sa | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma Sediment Drift Dep | GY rology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) | ne required | Water-Sta MLRA Salt Crust Aquatic In Hydrogen | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe | and 4B) s (B13) dor (C1) res along | Living Roo | <u>Secon</u> W Dr Dr Sa ts (C3) Go | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma Sediment Drift Depo Algal Mat | GY rology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) | ne requirec | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence | ined Leav 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce | s (B13) dor (C1) res along d Iron (C4 | Living Roo | <u>Secon</u> W Dr Dr Sa ats (C3) Gr St | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma Sediment Drift Depu Algal Mat Iron Depu | GY rology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) | ne requirec | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro | ined Leav 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce n Reducti | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille | Living Roo | <u>Secon</u> W Dr Dr Sa ots (C3) Ga St 3) FA | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma Sedimeni Drift Depu Algal Mat Iron Depu Surface S | GY rology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) | | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce n Reducti Stressed | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D | Living Roo () d Soils (C6 | <u>Secon</u> W Dr Dr Sa ots (C3) Ga St 3) FA) Ra | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma Sediment Drift Depu Algal Mat Iron Depu Surface S Inundatio | GY rology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) | magery (B7 | Water-Sta MLRA Salt Crust Aquatic In Aquatic In Oxidized F Presence Recent Iro Stunted or Other (Exp | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce n Reducti Stressed | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D | Living Roo () d Soils (C6 | <u>Secon</u> W Dr Dr Sa ots (C3) Ga St 3) FA) Ra | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma Sediment Drift Depu Algal Mat Iron Depu Surface S Inundatio | GY rology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) in Visible on Aerial In Vegetated Concave | magery (B7 | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38) | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce in Reducti • Stressed blain in Re | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) | Living Roo () d Soils (C6 | <u>Secon</u> W Dr Dr Sa ots (C3) Ga St 3) FA) Ra | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma Sediment Drift Depu Algal Mat Iron Depo Surface S Inundatio Sparsely | GY rology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) in Visible on Aerial In Vegetated Concave rations: | magery (B7 | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38) | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce n Reducti • Stressed | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) | Living Roo () d Soils (C6 | <u>Secon</u> W Dr Dr Sa ots (C3) Ga St 3) FA) Ra | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma Sediment Drift Depe Algal Mat Iron Depo Surface S Inundatio Sparsely Field Observ | GY rology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) in Visible on Aerial In Vegetated Concave rations: or Present? | magery (B7 Surface (B | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38) | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reducti Stressed blain in Re ches): | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) | Living Roo () d Soils (C6 | <u>Secon</u> W Dr Dr Sa ots (C3) Ga St 3) FA) Ra | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface W High Wate Saturatio Water Ma Sediment Drift Depu Algal Mal Iron Depu Surface S Inundatio Sparsely Field Observ | GY rology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) in Visible on Aerial In Vegetated Concave rations: ir Present? Ye esent? Ye | magery (B7 s Surface (B es 1 es 1 | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38) | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce in Reducti Stressed blain in Re ches): | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) | Living Roo) d Soils (C6 1) (LRR A) | <u>Secon</u> W Dr Sa Sf Sf Ff) FA) Fr | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface W High Wate Saturatio Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio Field Observ Surface Wate Water Table F Saturation Pro (includes capi | GY rology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) in Visible on Aerial In Vegetated Concave rations: ar Present? Present? Ye esent? Ye | magery (B7 9 Surface (B 9 s 1 9 s 1 9 s 1 | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or To Chher (Exp 38) No Depth (in Depth (in | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reducti Stressed blain in Re ches): | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) | Living Roo) d Soils (C6 1) (LRR A) Wetla | <u>Secon</u> W Dr Sa | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface W High Wate Saturatio Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio Field Observ Surface Wate Water Table F Saturation Pro (includes capi | GY rology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) in Visible on Aerial In Vegetated Concave rations: ar Present? Present? Ye esent? Ye | magery (B7 9 Surface (B 9 s 1 9 s 1 9 s 1 | Water-Sta MLRA Salt Crust Aquatic In Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or To Chher (Exp 38) No Depth (in Depth (in | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reducti Stressed blain in Re ches): | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) | Living Roo) d Soils (C6 1) (LRR A) Wetla | <u>Secon</u> W Dr Sa | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface W High Wate Saturatio Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio Field Observ Surface Wate Water Table F Saturation Pro (includes capi | GY rology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) in Visible on Aerial In Vegetated Concave rations: ar Present? Present? Ye esent? Ye | magery (B7 9 Surface (B 9 s 1 9 s 1 9 s 1 | Water-Sta MLRA Salt Crust Aquatic In Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or To Chher (Exp 38) No Depth (in Depth (in | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reducti Stressed blain in Re ches): | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) | Living Roo) d Soils (C6 1) (LRR A) Wetla | <u>Secon</u> W Dr Sa | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) |
| Remarks: HYDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturatio Water Ma Sediment Drift Depu Algal Mat Iron Depo Surface S Inundatio Sparsely Field Observ Surface Water Water Table F Saturation Pro (includes capi Describe Rec | GY rology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) in Visible on Aerial In Vegetated Concave rations: ar Present? Present? Ye esent? Ye | magery (B7 9 Surface (B 9 s 1 9 s 1 9 s 1 | Water-Sta MLRA Salt Crust Aquatic In Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or To Chher (Exp 38) No Depth (in Depth (in | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reducti Stressed blain in Re ches): | and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) | Living Roo) d Soils (C6 1) (LRR A) Wetla | <u>Secon</u> W Dr Sa | dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) |

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WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

| | | 8 |
|---|---|--|
| | _ City/County: _ Eurelea | / Humboldt Sampling Date: _9/23120 |
| Applicant/Owner: Eureka City Schools | | State: CA Sampling Point: TP 39 I |
| Investigator(s): S. Rowe, S. Polly | Section, Township, Rang | ge: NWY, Sec. 25, 74N, RIW, HBM |
| Landform (hillslope, terrace, etc.): hill slope | | onvex, none): None Slope (%): 12 |
| Subregion (LRR): A MLRA - 4B Lat: 4 | | Long: -124. 157057 Datum: W8584 |
| Soil Map Unit Name: 257-Lepoil-Candy Min. Co | nolax, 2-15% | Slefes NWI classification: Nane |
| Are climatic / hydrologic conditions on the site typical for this time of | | |
| | | |
| Are Vegetation, Soil, or Hydrology significant | | Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally p | roblematic? (If nee | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showin | g sampling point lo | cations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes X No | - | 14 A |
| Hydric Soil Present? Yes No | Is the Sampled A | |
| Wetland Hydrology Present? Yes No X | within a Wetland | d? Yes No |
| Remarks: New top of W. slope M big draw | V | |
| , · · · · · · · · · · · · · · · · · · · | | |
| | | |
| VEGETATION – Use scientific names of plants. | | |
| Tree Stratum (Plot size: 30 ft) Absolut % Cove | Contraction of the second s | Dominance Test worksheet: |
| | | Number of Dominant Species |
| 1. Alaus rubra 18 2. Salix hugkeriga 4 17 | - the | That Are OBL, FACW, or FAC: (A) |
| 3. | - I TUW | Total Number of Dominant |
| Δ | | Species Across All Strata: (B) |
| 30 | | Percent of Dominant Species 57 1 |
| Sapling/Shrub Stratum (Plot size: 541) | 1 | That Are OBL, FACW, or FAC: (A/B) |
| 1. Symbucus racemasa SI | - tacy | Prevalence Index worksheet: |
| 2. Rubus armeniques 19 | - PAC | Total % Cover of: Multiply by: |
| 3 | | OBL species x 1 = |
| 4 | | FACW species x 2 = |
| 5 | | FAC species x 3 = |
| - <u>70</u> | = Iotal Cover | FACU species x 4 = |
| Herb Stratum (Plot size: 5H) | | UPL species x 5 = |
| 1. Equisetum talmateria 7 | | Column Totals: (A) (B) |
| 2. Polystichung munitum 3 | | Prevalence index = B/A = |
| 3 | | Hydrophytic Vegetation Indicators: |
| 4 | | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | X 2 - Dominance Test is >50% |
| 6 | | 3 - Prevalence Index is ≤3,0 ¹ |
| 7 | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | | 5 - Wetland Non-Vascular Plants ¹ |
| 9 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| 7 | = Total Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 544) | | |
| 1. Hedera helix 62 | V FACY | Hydrophytic |
| 2 | | Vegetation V |
| 921 62 | _= Total Cover | Present? Yes <u>No</u> No |
| % Bare Ground in Herb Stratum 93/ | | |
| Remarks: | | |
| | | |

5

Sampling Point: Tr 39 1

| Profile Description: (Describe to the dep | oth needed to document the indicator or confirm | the absence of indicators.) |
|--|---|---|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-13 107RZ/2 100 | | <u> </u> |
| 13-19 7.5 YR2.5/1 93 | 7.54R5/62 C M | L |
| 1 1 1 | 2.575/3 5 CM | |
| 19-24+ 2.572.5/1 75 | 2.57RY/6 IC C PL | |
| <u></u> | D.EYCH D D No | |
| | <u></u> | |
| · | | |
| · | | · · · · · · · · · · · · · · · · · · · |
| | | |
| | =Reduced Matrix, CS=Covered or Coated Sand Gra | |
| Hydric Soil Indicators: (Applicable to al | LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) Thick Dark Surface (A12) | Depleted Matrix (F3) Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | Y I |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| Sec | | |
| 1.00 | | |
| | | |
| | | |
| HYDROLOGY Wetland Hydrology Indicators: | ed: abasic all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (feedback Field Observations: | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| | | - | ntains, Valleys, and Coast Region |
|---|-----------------------------|----------------------------------|---|
| Project/Site: Albee Stadium | City/C | County: Euro | <u>еЦа</u> Sampling Date: <u>9/2>/20</u> |
| Applicant/Owner: Eureka City Schools | | | State: A Sampling Point: TP 39 J |
| Investigator(s): S. Rowe, Si Polly | Sectio | on, Township, Rar | nge: NW4 Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): hillslope | | | convex, none): Man e Slope (%): 12 |
| Subregion (LRR): A, MLRA - 4B | Lat: 40.78 | | Long: -124. 157016 Datum WG584 |
| | the Comple | X. 215% | Sloped NWI classification: Non C |
| 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 Hydrologyn | aturally problema | | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | | | |
| | | | ocations, transects, important leatures, etc. |
| | o | Is the Sampled | Area |
| | | within a Wetlan | nd? Yes 🔼 No |
| Remarks: 7' East of TP39 I, d | lon n brill | | |
| | | | |
| | | | |
| VEGETATION – Use scientific names of plant | | | |
| Tree Stratum (Plot size: 30 ft) | Absolute Don % Cover Spe | ninant Indicator cies? Status | Dominance Test worksheet: Number of Dominant Species |
| 1. Jalak hallersing | 17 1 | FACW | That Are OBL, FACW, or FAC: |
| 2. Alnus rubra | 18 v | - FAC | Total Number of Dominant 1 |
| 3 | | | Species Across All Strata: (B) |
| 4 | 25 - | 175 | Percent of Dominant Species 57 7 |
| Sapling/Shrub Stratum (Plot size:) | = 10 | tal Cover 175 | That Are OBL, FACW, or FAC: (A/B) |
| 1. Rubus Urshus | 8 | FACU | Prevalence Index worksheet: Total % Cover of: Multiply by: |
| 2. Rubus armeniacus | 2 | FAC | |
| 3. Sambucus racemosa | 21 V | - TACH | FACW species x 2 = |
| 4, | | | FAC species x 3 = |
| | <u>6</u> = To | tal Cover 30.5 | FACU species x 4 = |
| Herb Stratum (Plot size: 544 |) | 1 00101 12.2 | UPL species x 5 = |
| 1. Athorium felle fem Mis | <u> </u> | +AC | Column Totals: (A) (B) |
| 2. Poly Stichum munitum 3. Equis et un talmating | - Ly V | FACU | Prevalence Index = B/A = |
| A A A A A A A A A A A A A A A A A A A | <u> </u> | THUV | Hydrophytic Vegetation Indicators: |
| 5 | | | 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% |
| 6 | | | 3 - Prevalence Index is $\leq 3.0^{1}$ |
| 7 | | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8, | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must |
| 11 | 9 - Tot | al Cover 4.5 | be present, unless disturbed or problematic, |
| Woody Vine Stratum (Plot size: 5+ | | tal Cover 4.5 | |
| 1. Hedera helst | 66 1 | TACU | Hydrophytic |
| 2 | 12 | | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum | <u>62</u> = Tot | tal Cover | |
| Remarks: | | | I |
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Sampling Point: TP39J

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| | needed to docum | ent the i | ndicator o | or confirm | the absence | e of indicators.) |
|---|---|--|--|--|-----------------------|--|
| Depth <u>Matrix</u> | Redox | Features | | | | |
| A 1 | Color (moist) | % | _Type ¹ | Loc ² | | Remarks |
| 0-6 107RZ/2 93 1 | 107R4/4 | _7_ | <u> </u> | PL | Mal | |
| 6-17 JOYR2/1 88 2 | 545/3 | 7 | \leq | m | MUL | |
| | 7.54R4/4 | C | 6 | p | | |
| 17-244 1145/1 75 | 54R 4/4 | 20 | 6 | M | L | - 7 |
| 1 10/1/ 1/ | 60 111 | C | - | BI | | 5 |
| | 09166/6 | 5 | | PL_ | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Re | duced Matrix, CS= | Covered | or Coate | d Sand Gr | ains. ² Lo | ocation: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all LR | | | | | | ors for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S | 5) | | | 2 c | m Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (| | | | | d Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mi | | | MLRA 1) | Ve | ry Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed M | • |) | 3 | Oth | ner (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (| | | | 3 | |
| Thick Dark Surface (A12) X Sandy Mucky Mineral (S1) | Redox Dark Surf Depleted Dark St | | 7) | | | ors of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) | Redox Depression | | () | | | and hydrology must be present, ss disturbed or problematic. |
| Restrictive Layer (if present): | Redox Depressio | | | | | ss disturbed of problematic. |
| Туре: | | | | | | |
| Depth (inches): | | | | | Hydric So | il Present? Yes X No |
| Remarks: | | | | | Tryunc 30 | |
| Nemarks. | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | _ | | | | | |
| HYDROLOGY | | | | | | |
| HYDROLOGY Wetland Hydrology Indicators: | | | | | | |
| | neck all that apply) | | | | Seco | ondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required, cf Surface Water (A1) | neck all that apply | | əs (B9) (e a | ccept | | ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required, cf Surface Water (A1) High Water Table (A2) | Water-Stain MLRA 1 | ed Leave , 2, 4A, a | | ccept | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required, cf Surface Water (A1) | Water-Stain | ed Leave , 2, 4A, a | | ccept | - | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cf Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stain MLRA 1 | ed Leave , 2, 4A, a 311) | nd 4B) | ccept | - | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cf Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stain MLRA 1 Salt Crust (I | ed Leave , 2, 4A, a 311) ertebrates | nd 4B) s (B13) | ccept | - ⁻ | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cf Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rt | ed Leave , 2, 4A, a 311) ertebrate ulfide Oc nizospher | nd 4B) s (B13) lor (C1) res along l | iving Roo | | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required, cf Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of | ed Leave , 2 , 4A , a 311) ertebrates ulfide Oc nizospher | nd 4B) s (B13) lor (C1) res along l d Iron (C4 | _iving Roo) | ts (C3) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cf Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron | ed Leave , 2, 4A, a 311) ertebrates ulfide Oc izospher Reduce Reductio | nd 4B) s (B13) lor (C1) res along l d Iron (C4 on in Tillec | iving Roo) I Soils (C6 | ts (C3) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cf Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stain MLRA 1 Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S | ed Leave , 2 , 4A , a 311) ertebrates ulfide Oc hizosphen Reduce Reductio Stressed | nd 4B) lor (C1) res along I d Iron (C4 on in Tilleo Plants (D ² | iving Roo) I Soils (C6 | ts (C3) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cf Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron | ed Leave , 2 , 4A , a 311) ertebrates ulfide Oc hizosphen Reduce Reductio Stressed | nd 4B) lor (C1) res along I d Iron (C4 on in Tilleo Plants (D ² | iving Roo) I Soils (C6 | ts (C3) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cf | Water-Stain MLRA 1 Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S | ed Leave , 2 , 4A , a 311) ertebrates ulfide Oc hizosphen Reduce Reductio Stressed | nd 4B) lor (C1) res along I d Iron (C4 on in Tilleo Plants (D ² | iving Roo) I Soils (C6 | ts (C3) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required, cf Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: | Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S Other (Expla | ed Leave , 2 , 4A , a 311) ertebrate: ulfide Oc nizospher Reduce Reduce Stressed ain in Re | nd 4B) lor (C1) res along I d Iron (C4 on in Tilleo Plants (D | iving Roo) I Soils (C6 | ts (C3) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cf | Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S Other (Expla | ed Leave , 2 , 4A , a 311) ertebrate: ulfide Oc izospher Reduce Reductio Stressed ain in Re | nd 4B) s (B13) lor (C1) res along I d Iron (C4 on in Tillec Plants (D marks) | iving Roo) I Soils (C6 | ts (C3) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| WETLAND DETERMINATION DATA FORM Western Mountain | ins, Valleys, and Coast Region |
|--|---|
| All as chalilles Evolution | - 10 D 10 - |
| | State: A Sampling Point: 39 k |
| Applicant/Owner: Eureka City Schools | NW& Sec. 25, TUN, RIW, HBM |
| | (marchine): None Slope (%): 20 |
| Landform (hillslope, terrace, etc.): | I THE CELLA I KE OIL |
| Subregion (LRR): A. MLKA -4P Lat: 40.10101 | ing: -124, 156547 Datum: WGS84 |
| Soil Map Unit Name: 257-Lepoil-Candy Mith. Complex, 177/5/ | |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Nor | mal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If neede | ed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point loca | ations, transects, important features, etc. |
| | |
| Hydrophytic Vegetation Present? Yes No Is the Sampled Ar | ea 🗸 |
| Hydric Soil Present? Yes No within a Wetland? | Yes No |
| Wetland Hydrology Fresent: | |
| Remarks: | |
| | |
| VEGETATION – Use scientific names of plants. | |
| Absolute Dominant Indicator | Dominance Test worksheet: |
| Thee Stratum (Flor Sizes | Number of Dominant Species |
| 1 Schoold I service with as | |
| | Total Number of Dominant Species Across All Strata: (B) |
| 3 SOLA INTOLOGY | |
| | Percent of Dominant Species (A/B) |
| | Prevalence Index worksheet: |
| 1 | Total % Cover of: Multiply by: |
| | OBL species x 1 = |
| | FACW species x 2 = |
| 4 | FAC species x 3 = |
| 5 | FACU species x 4 = |
| Herb Stratum (Plot size: 544 = Fotal Cover | UPL species x 5 = |
| 1. Maiantemm dilatatum 2 FAC | Column Totals: (A) (B) |
| 2 Equisition to materia 15 FACW | Prevalence Index = B/A = |
| 3 SHITDING WICSOCORDING 40 / ODL | Hydrophytic Vegetation Indicators: |
| 4. Stachus aiugoides 4 OBL | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Athronym Utrix-tempa The | 2 - Dominance Test is >50% |
| 6. Protorier Smithi | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | 5 - Wetland Non-Vascular Plants ¹ |
| 9 | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10 | ¹ Indicators of hydric soil and wetland hydrology must |
| 11 55 = Total Cover 32.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratym (Plot size: 547 40 511 | - |
| 1. Hedera helix 40 V FACU | Hydrophytic |
| 2. | Vegetation Present? Yes No |
| | |
| % Bare Ground in Herb Stratum 35 * = Total Cover | |
| Remarks: * Litter | |
| | |

Sampling Point: 39 k

| Profile Description: (Describe to the depth | needed to document the indicator or confirm | the absence of indicators.) |
|---|--|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist), % | Color (moist) % Type ¹ Loc ² | Remarks |
| 0-5 101R 2/2 100 - | | SL Abundant roots |
| 5-16 2.58 41294 7. | 5YR 5/8 6 C PL | <u>L</u> <u>></u> |
| 16-24+56Y5/1 70 7. | 54R5/8 30 C M | 15 |
| the second s | | |
| | | |
| | | |
| | | |
| | | · · · · · · · · · · · · · · · · · · · |
| | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Re Hydric Soil Indicators: (Applicable to all LR | educed Matrix, CS=Covered or Coated Sand Gr | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| | Sandy Redox (S5) | 2 cm Muck (A10) |
| L Histosof (A1) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| X Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | 3 |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) | Depleted Dark Surface (F7) Redox Depressions (F8) | wetland hydrology must be present, unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | ST 12 |
| Depth (inches): | | Hydric Soil Present? Yes X No |
| Remarks: | 1 | |
| | | 1 |
| | | |
| | | 13 |
| | 5. T | 1 |
| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | theck all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of the second se | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of a surface Water (A1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of a surface Water (A1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| WETLAND DETERMINATION DATA FORM – Western Mounta | ins, Valleys, and Coast Region |
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| roject/Site: Albee Stadium, City/County: Eurelia | Sampling Date: |
| pplicant/Owner: Eurelia City Schools nvestigator(s): DS(0) Sale(, Citoy Wilcox Section, Township, Range andform (hillslope, terrace, etc.): Hills 0.0 Local relief (concave, con- Subregion (LRR): A. MLRA - 4.8 Lat: 40.789197 Local relief (concave, con- Soil Map Unit Name: 257-Lefoi Canoy Mfn. Complex, 2-15% Are climatic / hydrologic conditions on the site typical for this time of year? Yes No Are Vegetation , Soil or Hydrology naturally problematic? (If needing) SUMMARY OF FINDINGS – Attach site map showing sampling point loc Hydrophytic Vegetation Present? Yes No Is the Sampled And | State: |
| Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No | Yes No |
| Remarks: 5ft from TP 39k | |
| VEGETATION – Use scientific names of plants. | |
| Tree Stratum (Plot size: 30 ft) Absolute 1. Seudo Suga Menziesii 30 2. Sequoia Genervictur 20 3. Sati X asignera 10 4. Thex a quitolia 10 | Dominance Test worksheet:Number of Dominant Species That Are OBL, FACW, or FAC:1Total Number of Dominant Species Across All Strata:4Percent of Dominant Species That Are OBL, FACW, or FAC:25 //. (A/B)Prevalence Index worksheet: |
| 11. 104 = Total Cover Woody Vine Stratum (Plot size: 544) 10 1. Hedera (Ali X) 2. 10 % Bare Ground in Herb Stratum 0 | Hydrophytic Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum Remarks: | |

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Sampling Point: TP 392

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| Profile Description: (Describe to the dep | our needed to document the indicator of confirm | the absence of mulcators.) |
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| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | <u>Color (moist)</u> <u>%</u> <u>Type¹</u> <u>Loc²</u> | Texture Remarks |
| 0-8 104R-2/2 10V | | Mu Positive AAD |
| 8-24+ 10 64 5/1 60 | 7.5XR 5/8 4() C M | LS |
| | | |
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| | | |
| ¹ Type: C=Concentration D=Depletion PM | =Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Klistic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | X Other (Explain in Remarks) 🗡 |
| X Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | , |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: X Mitty AAD (| Xn | |
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| HYDROLOGY | | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| Wetland Hydrology Indicators: | d: check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1 2 |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (C) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Yes Saturation Present? Yes Quarter Table Present? Yes Saturation Present? Yes Surface Recorded Data (stream gauge, mage) <td>Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches):</td> <td>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No</td> | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Yes Water Table Present? Yes Quarter Table Present? Yes Quarter Table Present? Yes Sturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, monostream gauge) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No |

| WETLAND DETERMINATION DATA FORM Western Mountains, Valleys, and Coast Region |
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| Project/Site: <u>Albee Stadium</u> City/County: <u>Eureha</u> Sampling Date: <u>9/23/20</u> |
| |
| |
| Applicant/Owner: Luncard and Social Social Section, Township, Range: NW4 Sec. 25, T4N, R1W, HBM Investigator(s): Civity Will CoX, Jose P. Salker Section, Township, Range: NW4 Sec. 25, T4N, R1W, HBM |
| Landform (hillslope, terrace, etc.): Hilsope Local relief (concave, convex, none): Concave Slope (%): U |
| Subregion (LRR): A, MLKA - 4D Lat: 40.16 21 Long: 121. 1000 Datam. |
| Sull Map Only Mano. |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) |
| |
| Are Vegetation, Soil, or Hydrology 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 |
| Hydrophylic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X |
| Wetland Hydrology Present? Yes X No Within a Wetland ? 100 |
| Remarks: |

VEGETATION – Use scientific names of plants.

| | Absolute | Dominant Indicator | Dominance Test worksheet: |
|--|----------|--------------------|--|
| Tree, Stratum (Rlot size: 30 [+) | | Species? Status | Number of Dominant Species 3 |
| 1. This oficata | 15 | FAC | That Are OBL, FACW, or FAC:(A) |
| 2. Sequial Sempervires | 60 | V_NL | Total Number of Dominant |
| 3 | | | Species Across All Strata: (B) |
| 4 | 75 | = Total Cover 37.5 | Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B) |
| Sapling/Shrub Stratum (Plot size:) | | 15 | Prevalence Index worksheet: |
| 1 | | | Total % Cover of: Multiply by: |
| 2 | | | OBL species x 1 = |
| 3 | | | FACW species x 2 = |
| 4 | | | FAC species x 3 = |
| 5 | | - | FACU species x 4 = |
| 2t7 | | = Total Cover | UPL species x 5 = |
| Herb Stratum (Plot size:) | 30 | FACW | Column Totals: (A) (B) |
| 1. Equisition telepateia 2. Stirpus microcorpus | 15 | VOBL | Prevalence Index = B/A = |
| 3 | | | Hydrophytic Vegetation Indicators: |
| 4 | | | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | | 2 - Dominance Test is >50% |
| 6 | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 9 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 11 | 45 | = Total Cover 22.5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 5ff) | | | |
| 1. Hedera hetix | 95 | V TACU | Hydrophytic |
| | | 2 | Vegetation X |
| 2 | 95 | = Total Cover | Present? Yes <u>/ No</u> |
| % Bare Ground in Herb Stratum 55 %* | | | |
| Remarks: | | | |
| * Hedra and litter | | | |
| | | | |
| | | | |

SOIL

1

Sampling Point: TP 39 M

| | ibe to the depth no | eeded to document the indicator or confirm | m the absence of indicators.) |
|--|--|---|--|
| Depth Matri | ix | Redox Features | |
| (inches) Color (moist | | Color (moist) % Type1 Loc2 | Texture Remarks |
| 0-9 10YR2/ | 2100 - | | |
| 9-13 10YR 3/ | 2 98 | //// | Grsich fill w/gravet |
| INVR 5/ | 8 7 | ///// | |
| 13-224164051 | t at - | | El El deste hold |
| 15-25 10V DI | 0 12 - | | Gr.SL till, abrupt, horizon , broke |
| 107K 4/. | 2 7 | | Mike till chunks glaus |
| | | | |
| | | | |
| | | | |
| | Destation DM-D | | |
| | | luced Matrix, CS=Covered or Coated Sand G s, unless otherwise noted.) | Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| | | | |
| Histosol (A1) Histic Epipedon (A2) | | Sandy Redox (S5) Stripped Matrix (S6) | 2 cm Muck (A10) Red Parent Material (TF2) |
| Black Histic (A3) | | Loamy Mucky Mineral (F1) (except MLRA 1) | |
| Hydrogen Sulfide (A4) | | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Sur | | Depleted Matrix (F3) | <u> </u> |
| Thick Dark Surface (A12) |) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S | 1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4 | | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present | t): | | |
| Туре: | <u> </u> | | |
| Depth (inches): | | | Hydric Soil Present? Yes No |
| Remarks: | 1 | | 9-1211 10-20-20 |
| CI > Dolais in | cluding no | stic alass indiron. | 9-13 Monzon NO |
| HIL - Denis In | | | 9-13" honzon no reaction to a-a-d |
| - Rochy / COL | DOLYTIN | stic, glass, andiron. | |
| HYDROLOGY | / 1 | | |
| | | | |
| Wetland Hydrology Indicate | | | Consider (adjusters (2 or more regulard) |
| Primary Indicators (minimum | | eck all triat apply) | Secondary Indicators (2 or more required) |
| | of one required, on | | |
| Surface Water (A1) | or one required, on | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | or one requires, an | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| High Water Table (A2) Saturation (A3) | or one required, or | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | 4A, and 4B) Drainage Patterns (B10) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) | or one required, an | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | 4A, and 4B) Drainage Patterns (B10) ∑ Dry-Season Water Table (C2) _ Saturation Visible on Aerial Imagery (C9) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | <u>or one required, an</u> | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro | 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) pots (C3) Geomorphic Position (D2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | <u>or one required, en</u> | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) | 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C | 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4) | 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) bots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer | rial Imagery (B7) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C | 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei Sparsely Vegetated Com | rial Imagery (B7) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4) | 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) bots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei Sparsely Vegetated Com Field Observations: | rial Imagery (B7) cave Surface (B8) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) bots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aet Sparsely Vegetated Com Field Observations: Surface Water Present? | rial Imagery (B7) cave Surface (B8) Yes No _ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) bots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aet Sparsely Vegetated Com Field Observations: Surface Water Present? Water Table Present? | rial Imagery (B7) cave Surface (B8) Yes No Yes No | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) ✓ Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) bots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 26) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei Sparsely Vegetated Com Field Observations: Surface Water Present? Water Table Present? Saturation Present? | rial Imagery (B7) cave Surface (B8) Yes No _ | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) bots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aet Sparsely Vegetated Com Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) | rial Imagery (B7) cave Surface (B8) Yes No Yes No Yes No | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) ✓ Dry-Season Water Table (C2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aet Sparsely Vegetated Com Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) | rial Imagery (B7) cave Surface (B8) Yes No Yes No Yes No | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) ✓ Dry-Season Water Table (C2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aet Sparsely Vegetated Com Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) | rial Imagery (B7) cave Surface (B8) Yes No Yes No Yes No | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) ✓ Dry-Season Water Table (C2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei Sparsely Vegetated Com Field Observations: Surface Water Present? Water Table Present? Water Table Present? Saturation Present? Describe Recorded Data (stra | rial Imagery (B7) cave Surface (B8) Yes No Yes No Yes No | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) ✓ Dry-Season Water Table (C2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei Sparsely Vegetated Com Field Observations: Surface Water Present? Water Table Present? Water Table Present? Saturation Present? Describe Recorded Data (stra | rial Imagery (B7) cave Surface (B8) Yes No Yes No Yes No | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) ✓ Dry-Season Water Table (C2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei Sparsely Vegetated Com Field Observations: Surface Water Present? Water Table Present? Water Table Present? Saturation Present? Describe Recorded Data (stra | rial Imagery (B7) cave Surface (B8) Yes No Yes No Yes No | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) ✓ Dry-Season Water Table (C2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei Sparsely Vegetated Com Field Observations: Surface Water Present? Water Table Present? Water Table Present? Saturation Present? Describe Recorded Data (stra | rial Imagery (B7) cave Surface (B8) Yes No Yes No Yes No | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) ✓ Dry-Season Water Table (C2) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei Sparsely Vegetated Com Field Observations: Surface Water Present? Water Table Present? Water Table Present? Saturation Present? Cincludes capillary fringe) Describe Recorded Data (stra | rial Imagery (B7) cave Surface (B8) Yes No Yes No Yes No | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | 4A, and 4B) Drainage Patterns (B10) ✓ Dry-Season Water Table (C2) |

| WETLAND DETERMINATION DATA FORM – Western Mounta | ins, Valleys, and Coast Region |
|---|--|
| Project/Site: <u>Albee Stadium</u> City/County: <u>Fureha</u> Applicant/Owner: <u>Bureha</u> City.Schools Investigator(s): <u>Josep Suler</u> , Cindy MicoX Section, Township, Range Landform (hillslope terrace, etc.): <u>Borton al Hillshope</u> Local relief (concave, con Subregion (LRR): <u>A</u> MURA - 4B Lat: <u>40.189220</u> ^o L Soil Map Unit Name: <u>257 - Lepoil - Concy Min. Complex</u> , 2-1575 Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>No</u> Are Vegetation <u>Soil</u> or Hydrology <u>significantly disturbed</u> ? Are "No | A Sampling Date: 9/23/20 State: A Sampling Point: 39 N State: Sampling Point: 9 N State: No 10 N State: Sampling Point: No State: No 10 N State: Sampling Point: No State: No 10 N State: Sampling Point: No State: No 10 N State: Sampling Point: </th |
| Hydrophytic Vegetation Present? Yes No Is the Sampled A Hydric Soil Present? Yes No No within a Wetland A Wetland Hydrology Present? Yes No No within a Wetland A Remarks: Yes Yes No No Yes | rea |
| VEGETATION – Use scientific names of plants. | |
| Tree Stratum (Plot size:)) (ft) Absolute Dominant Indicator 1. Thuia plucate 10 Species? Status 2. Sequenta, Sempervictus 35 NL 3. Ficela sitchesio 5 FAC | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Z (A) Total Number of Dominant Species Across All Strata: C (B) |
| 4 | Percent of Dominant SpeciesThat Are OBL, FACW, or FAC: 33% (A/B)Prevalence Index worksheet:Total % Cover of: OBL speciesMultiply by: $x 1 = 70$ FACW species12 $x 2 = 24$ $x 2 = 24$ FAC species23 $x 3 = 69$ $x 3 = 69$ FACU species37 $x 4 = 148$ $x 4 = 148$ UPL species35 $x 5 = 175$ $x 5 = 175$ |
| 1. Scirpu Microcarpu 2. Equistrum telmateia. 3. Ranunciulus repus 4. Staclys a Magaides 5 OBL 5 | Column Totals: 44 (A) 486 (B) Prevalence Index = B/A = 2.7 Hydrophytic Vegetation Indicators: - 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ |

= Total Cover .45

= Total Cover

FACU

Vegetation

Present?

90

20

4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

5 - Wetland Non-Vascular Plants¹

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

11. 5ft Woody Vine Stratum (Plot size: _ dera heli 1...

% ×

2.

0 % Bare Ground in Herb Stratum Remarks: X

7. 8.

9.

10.

•

3-

Sampling Point: 39 N

| Profile Description: (Describe to the dept | h needed to document the indicator or confirm | the absence of indicators.) |
|---|--|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-12 542.5/1 100 | | MU |
| 12-23 5Y 3/1, 100 | / /// | Grs |
| 23-24+2.543/ 100 | //// | SL. |
| | her to | |
| | | · · · · · · · · · · · · · · · · |
| | | |
| | () | |
| | | |
| | | |
| ¹ Type: C=Concentration, D=Depletion, RM= | Reduced Matrix, CS=Covered or Coated Sand Gra | |
| Hydric Soil Indicators: (Applicable to all L | .RRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | ³ Indicators of hydrophytic vegetation and |
| Thick Dark Surface (A12) Sandy Mucky Mineral (S1) | Redox Dark Surface (F6) | wetland hydrology must be present, |
| Sandy Mucky Mineral (ST) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | N/2 |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | <i>x</i> |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E) Field Observations: Surface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (D3) Staturation Visible on Aerial Imagery (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88) No Depth (inches):A Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (D3) Staturation Visible on Aerial Imagery (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88) No Depth (inches):A Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (D3) Staturation Visible on Aerial Imagery (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Maturation Present? Yes Saturation Present? Yes Describe Recorded Data (stream gauge, mode) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88) No Depth (inches):A Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (D3) Staturation Visible on Aerial Imagery (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Maturation Present? Yes Saturation Present? Yes Describe Recorded Data (stream gauge, mode) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88) No Depth (inches):A Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (D3) Staturation Visible on Aerial Imagery (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Maturation Present? Yes Saturation Present? Yes Describe Recorded Data (stream gauge, mode) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88) No Depth (inches):A Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (D3) Staturation Visible on Aerial Imagery (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Maturation Present? Yes Saturation Present? Yes Describe Recorded Data (stream gauge, mode) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88) No Depth (inches):A Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (D3) Staturation Visible on Aerial Imagery (D3) |

 $n=\widetilde{N}$

| WETLAND DETERMINATION DATA FORM W | estern Mountains, Valleys, and Coast Region |
|--|---|
| Project/Site: <u>Albee Stadium</u> City/Cou | Finder 9/23/20 |
| pplicant/Owner: Eureka City Jchools | State: <u>A</u> Sampling Point: <u>TP 390</u> , Township, Range: <u>NW4 Sec. 25</u> , <u>T4N</u> , <u>R1W</u> , <u>HBM</u> |
| Local r | elief (concave, convex, none): None Slope (%) |
| Subragion (LBB): A MLRA - 4B Lat: 40.78 | 19355 Long: -129.156 821 Datum: WGS 84 |
| Soil Map Unit Name: 257 - Lepoil - Condy Mtn. Comple | x, 2-15% slopes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Ye | s _ No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturb | ed? Are "Normal Circumstances" present? Yes No |
| Are Vegetation, Soil, or Hydrology naturally problemat | ic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sam | pling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No | Is the Sampled Area |
| Hydric Soil Present? Yes No | within a Wetland? Yes No |
| Wetland Hydrology Frederict | |
| Remarks: See vey notes | |
| <u></u> | |
| VEGETATION – Use scientific names of plants. | inant Indicator Dominance Test worksheet: |
| | cies? Status Number of Dominant Species 3 |
| 1 Section of supplyings | NL That Are OBL, FACW, or FAC: (A) |
| 2. Prudu Cerasitora 5 3. Ilex arutolium 15 | FACM Total Number of Dominant 5 (B) |
| 4. Piceasitichesis 40 1 | Percent of Dominant Species |
| 40 = To | tal Cover That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size: | Total % Cover of: Multiply by: |
| | <u>Total % Cover of:</u> <u>Multiply by:</u> OBL species <u>0</u> x 1 = <u>0</u> |
| 3 | |
| 4 | FAC species $51 \times 3 = 153$ |
| 5 | ptal Cover FACU species $\frac{63}{35}$ $x 4 = \frac{252}{175}$ |
| Herb Stratum (Plot size:) | $\begin{array}{c} UPL \text{ species} \\ \hline 153 \\ Column Totals: \\ \hline 153 \\ \hline 153 \\ \hline 163 \\ \hline 193 \\ \hline 19$ |
| 1. Pteridium adminum 3 | Prevalence Index = B/A = 3.8 |
| 3. Equisition te mateia | FACW Hydrophytic Vegetation Indicators: |
| 4. Polystichum Munitym 3 | SACU 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Crocessia x crocessitlera | $2 - Dominance Test is >50\%$ $3 - Prevalence Index is \leq 3.0^{1}$ |
| 6 | 4 - Mombological Adaptations ¹ (Provide supporting |
| 7 | data in Remarks or on a separate sheet) |
| 9 | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | 1 Indicators of hydric soil and wetland hydrology must |
| 11 23 =1 | total Cover |
| Woody, Vine Stratum (Plot size: 5++-) | / FALL |
| 1. Hedera helix 40 | V Hydrophytic Vegetation |
| 240_=- | Total Cover Present? Yes <u>No</u> |
| % Bare Ground in Herb Stratum 80 * | |
| Remarks: | |
| * Bore soil - Trussive Hedera helix creating fabe a | loninance by yoland vegetation |
| US Army Corps of Engineers | Western Mountains, Valleys, and Coast - Version 2. |

Sampling Point: <u>TP 390</u>

| Profile Description: (Describe to the dept | n needed to document the indicator or confirm | the absence of indicators.) |
|---|--|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) Type ¹ _Loc ² | Texture Remarks |
| 0-18 2.5 42.5/1 100 | <u></u> | Mus |
| (8-24+ 10YR 3/1 100 | - /// | Mus |
| 35 | | |
| | | |
| | | and the second sec |
| | | |
| | | |
| | | |
| | | |
| ¹ Type: C=Concentration, D=Depletion, RM= | Reduced Matrix, CS=Covered or Coated Sand Gra | ins. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all L | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) Thick Dark Surface (A12) | _ Depleted Matrix (F3) Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | \checkmark |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | · · · · · · · · · · · · · · · · · · · |
| | | |
| | | |
| | | |
| HYDROLOGY | | , , |
| Wetland Hydrology indicators: | | |
| Primary Indicators (minimum of one required; | check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| X Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Living Roots | |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled Soils (C6) | FAC-Neutral Test (D5) |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1) (LRR A) | Raised Ant Mounds (D6) (LRR A) |
| Inundation Visible on Aerial Imagery (B7) | | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Surface (B | 8) | |
| Field Observations: | o Depth (inches): 0.5 in | |
| | | |
| | o Depth (inches): | |
| Saturation Present? Yes X N (includes capillary fringe) | o Depth (inches): Switace Wetlan | nd Hydrology Present? Yes 🛃 No |
| | itoring well, aerial photos, previous inspections), if | available: |
| | | |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| WETLAND DETERMINATION DATA FORM – Western Mounta | ins, Valleys, and Coast Region 9/20/20 |
|--|--|
| Project/Site: Albee Stadium City/County: Else | ka Sampling Date: |
| Applicant/Owner: <u>Eureka</u> , <u>City</u> <u>Schools</u> Applicant/Owner: <u>Eureka</u> , <u>City</u> <u>Schools</u> nvestigator(s): <u>Lat:</u> <u>Canay</u> <u>Section</u> , Township, Range Local relief (concave, con Subregion (LRR): <u>MLRA</u> <u>4B</u> Lat: <u>40.789330°</u> L Soil Map Unit Name: <u>257 - Lapoi - Concy</u> <u>Mn</u> , <u>Compex</u> <u>2-157, 5</u> Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>No</u> Are Vegetation <u>, Soil</u> , or Hydrology <u>significantly disturbed</u> ? Are "No Are Vegetation <u>, Soil</u> , or Hydrology <u>naturally problematic</u> ? (If need | |
| SUMMARY OF FINDINGS – Attach site map showing sampling point loc | ations, transects, important reatures, etc. |
| Hydrophytic Vegetation Present? Yes No X Is the Sampled A Hydric Soil Present? Yes No X within a Wetland? Wetland Hydrology Present? Yes No X within a Wetland? Remarks: 8 % 16 % abune slope of TP390 TP390 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 % | |
| VEGETATION – Use scientific names of plants. | |
| Tree Stratum (Plot size: 30H) %Cover Species? Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2 Are OBL, FACW, or FAC: Species Across All Strata: Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 40% Percent of Dominant Species That Are OBL, FACW, or FAC: 40% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species X 1 = FACW species X 2 = FAC species X 4 = UPL species X 4 = UPL species X 4 = UPL species X 5 = Column Totals: (A) B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is <3.01 |
| 11. Image: Stratum (Plot size: 5ff) 1. Image: Stratum (Plot size: 5ff) 2. 30 % Bare Ground in Herb Stratum | be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes <u>No</u> |
| Remarks: | |

Sampling Point: TP39P

| Profile Des | cription: (Describe f | to the de | pth needed to docum | ent the in | ndicator | or confirm | n the absenc | e of indicators.) |
|--------------|--------------------------------|------------|--------------------------|-------------|--------------------|-------------------|---------------------|--|
| Depth | Matrix | | | Features | | | _ | _ |
| (inches) | Color (moist) | % | Color (moist) | | _Type ¹ | Loc | Texture | Remarks |
| 0-14 | LOYR \$12 | 100 | - | - | - | | 54 | |
| 14-24+ | 10YR3/2 | 85 | 7.5 YR3/4 | 15 | <u> </u> | M | SCL | fill-> broken glass, debris |
| CA. No. | | | | | | | | to 2/ in. |
| | | | | | | | | |
| | () <u> </u> | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Tupo: C=C | oncentration D=Depl | ation PM | Reduced Matrix, CS | =Covered | or Coato | d Sand Gr | | ocation: PL=Pore Lining, M=Matrix. |
| | | | LRRs, unless other | | | u Sanu Gr | | tors for Problematic Hydric Soils ³ : |
| Histoso | | | Sandy Redox (S | | , | | | cm Muck (A10) |
| | pipedon (A2) | | Stripped Matrix | - | | | | ed Parent Material (TF2) |
| | istic (A3) | | Loamy Mucky N | . , |) (except | MLRA 1) | | ery Shallow Dark Surface (TF12) |
| Hydroge | en Sulfide (A4) | | Loamy Gleyed M | Matrix (F2) | | | | her (Explain in Remarks) |
| Deplete | d Below Dark Surface | e (A11) | Depleted Matrix | (F3) | | | | |
| | ark Surface (A12) | | Redox Dark Sur | face (F6) | | | ³ Indica | tors of hydrophytic vegetation and |
| | Mucky Mineral (S1) | | Depleted Dark S | • | 7) | | | land hydrology must be present, |
| | Gleyed Matrix (S4) | | Redox Depressi | ons (F8) | | | unle | ess disturbed or problematic. |
| | Layer (if present): | | | | | | | N |
| Туре: | | | | | | | | |
| | iches): | | | _ | - | | Hydric So | il Present? Yes No |
| Remarks: | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| HYDROLO | | | | | | | | |
| | | | | | | | | |
| - | drology Indicators: | | di abaali all that as st | | | | S | and and the first for 10 and and the 10 |
| | | ne require | d; check all that apply | | (20) (| | | ondary Indicators (2 or more required) |
| | Water (A1) | | Water-Stail | | | kcept | | Water-Stained Leaves (B9) (MLRA 1, 2, |
| | ater Table (A2) | | | l, 2, 4A, a | nd 4B) | | | 4A, and 4B) |
| Saturati | | | Salt Crust | . , | | | | Drainage Patterns (B10) |
| _ | /larks (B1) | | Aquatic Inv | | | | | Dry-Season Water Table (C2) |
| | nt Deposits (B2) | | Hydrogen S | | | | | Saturation Visible on Aerial Imagery (C9) |
| | posits (B3) | | | | _ | - | | Geomorphic Position (D2) |
| | at or Crust (B4) | | Presence of | | | | | Shallow Aquitard (D3) |
| | posits (B5) | | Recent Iron | | | | · | FAC-Neutral Test (D5) |
| | Soil Cracks (B6) | | Stunted or | | | 1) (LRR A | | Raised Ant Mounds (D6) (LRR A) |
| | ion Visible on Aerial I | | | lain in Rei | narks) | 1.1 | | Frost-Heave Hummocks (D7) |
| | y Vegetated Concave | Surrace | (88) | | | | | |
| Field Obser | | | V V 5 4 4 | N | A | | | |
| Surface Wa | | es | | | A | - | | |
| Water Table | | es | | | | - 1 | | X |
| Saturation F | Present? Yo pillary fringe) | es | No X Depth (inc | ches): | 1. | - Wetl | and Hydrolo | gy Present? Yes No 🔨 |
| | | gauge, m | onitoring well, aerial p | hotos, pre | evious ins | pections), | if available: | |
| | | | | , 1-1- | | // | | |
| | | | | - | | | | |
| Remarks: | | | | | | | | |
| Remarks: | | | | | | | | |
| Remarks: | | | | | | | | |
| Remarks: | | | - 71 s | | | | | |
| Remarks: | | | a . 19 av | | | | | |
| Remarks: | | | | | | | 5. | |

| WETLAND DETERMINATION DAT | A FORM - Western Mount | tains, Valleys, and Coast Region |
|---|--|--|
| | City/County: | |
| pplicant/Owner: <u>Eureha</u> Gty Schools nvestigator(s): <u>Cincly Witcox</u> Joseph saler andform (hillslope, terrace, etc.): <u>hill slope</u> Subregion (LRR): <u>A. MLRA - 4B</u> | | State: <u>A</u> Sampling Point: <u>TP39Q</u> ge: <u>NW4 Sec25, T4N, R1W, HBM</u> powex, none): <u>NONP</u> Slope (%): <u>4S</u> |
| Soil Map Unit Name: | | |
| Are Vegetation, Soil, or Hydrology sig | nificantly disturbed? Are "N | Normal Circumstances" present? Yes No |
| Are Vegetation, Soil, or Hydrology na | , | eded, explain any answers in Remarks.) |
| Are vegetation, on "inducingy | | cations transects important features, etc. |
| SUMMARY OF FINDINGS – Attach site map s | | catons, transcos, important rotal of, our |
| Hydric Soil Present? Yes X No | Is the Sampled within a Wetlan ticd run of b (sub surfac | d? Yes <u>No</u> <u>No</u> |
| VEGETATION – Use scientific names of plan | ts. | |
| | Absolute Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size: 30 ft_) | <u>% Cover Species?</u> Status | Number of Dominant Species 3 (A) |
| 2. Sequeia senperviners | 25 NL | Total Number of Dominant Species Across All Strata:(B) |
| | 5 = Total Cover 32.5 | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size: 577) 1. FULLSIA MOPULANCA | 38 V FACU | Prevalence Index worksheet: Total % Cover of:Multiply by: |
| 2. <u>Rybus wolds</u> 3 | | OBL species x 1 = FACW species x 2 = |
| 4 | | FAC species x 3 = |
| 5 | 43 = Total Cover 42 | FACU species x 4 = UPL species x 5 = |
| Herb Stratum (Plot size:) 1. Athm thix - thing | 25 V AC | Column Totals: (A) (B) |
| 2. Equisetum telmateia | - JU FACW | Prevalence Index = B/A = |
| 3. CHOCUSTINA × CTOCUSTINI-LORA | THU THU | Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation |
| 4 | | 1×10^{-1} Kapid Test for Hydrophydro Vogetation 2 - Dominance Test is >50% |
| 5 | | $3 - Prevalence Index is \leq 3.0^1$ |
| 6 | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | | 5 - Wetland Non-Vascular Plants |
| 9 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| * | 56 = Total Cover 28 | |
| Woody Vine Stratum (Plot size:) 1 | <u>b</u> ,2 | – Hydrophytic Vegetation |
| 2 | = Total Cover | Present? Yes No |
| % Bare Ground in Herb Stratum 45 | N | |
| Remarks: Much | | |

Sampling Point: TP39Q

| Depth Matrix | Redox Features | | |
|--|--|---|---|
| inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture | Remarks |
| 1-247 2.542.5/1 100 | | SMU | w plastic depus |
| | 1 | | |
| the second s | | | |
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| | | | N |
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| | | | |
| | =Reduced Matrix, CS=Covered or Coated Sand Gra | | ation: PL=Pore Lining, M=Matrix. |
| ydric Soil Indicators: (Applicable to all | LRRs, unless otherwise noted.) | Indicato | rs for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | | n Muck (A10) |
| _ Histic Epipedon (A2) | Stripped Matrix (S6) | | Parent Material (TF2) |
| _ Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | | / Shallow Dark Surface (TF12) |
| _ Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Othe | er (Explain in Remarks) |
| Depleted Below Dark Surface (A11) Thick Dark Surface (A12) | Depleted Matrix (F3) | 3 and ant- | re of hydrophytic vocatation and |
| Sandy Mucky Mineral (S1) | Redox Dark Surface (F6) Depleted Dark Surface (F7) | | ors of hydrophytic vegetation and nd hydrology must be present, |
| Sandy Mucky Milleral (ST) Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | | s disturbed or problematic. |
| estrictive Layer (if present): | | anica | |
| Type: | | | |
| Depth (inches): | | Hydric Soil | Present? Yes X No |
| emarks: | | | |
| | | | |
| | | | |
| Vetland Hydrology Indicators: | d: check all that apply) | Secor | ndary Indicators (2 or more required) |
| /etland Hydrology Indicators: rimary Indicators (minimum of one require | | | ndary Indicators (2 or more required) |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) | Water-Stained Leaves (B9) (except | | ater-Stained Leaves (B9) (MLRA 1, 2, |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | W | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | V | <pre>/ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10)</pre> |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | W D | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) |
| Tetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | W D D S | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots | W D D S s (C3) G | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Alga! Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) | W D S s (C3) G S | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Alga! Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | W D S s (C3) G S F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ecomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | W D S s (C3) G S F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Alga! Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | W D S s (C3) G S F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ecomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Alga! Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | W D S s (C3) G S F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Alga! Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I eld Observations: | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) | W D S s (C3) G S F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Alga! Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (eld Observations: urface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | W D S s (C3) G S F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I eld Observations: Unface Water Present? Yes Ves | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | W D S (C3) G S F R F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I eld Observations: Unface Water Present? Ves Ves Ves Ves Ves Ves Ves Ves | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): O, 5" Wetlan | W D S S F F F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| retland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I ield Observations: urface Water Present? /ater Table Present? Yes aturation Present? Yes aturation Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | W D S S F F F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface I ield Observations: urface Water Present? /ater Table Present? Yes aturation Present? Yes aturation Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): O, 5" Wetlan | W D S S F F F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| Vetland Hydrology Indicators: rimarv Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I ield Observations: urface Water Present? Yes //ater Table Present? Yes aturation Present? Yes actuation Present? Yes mcludes capillary fringe) escribe Recorded Data (stream gauge, mage) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): O, 5" Wetlan | W D S S F F F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I ield Observations: Surface Water Present? Yes aturation Present? Yes aturation Present? Yes Staturation Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): O, 5" Wetlan | W D S S F F F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface Interface Water Present? Yes Vater Table Present? Yes Autor Present? Yes Acter Table Present? Yes Acter Table Present? Yes Acter Table Present? Yes Acter Table Recorded Data (stream gauge, mage) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): O, 5" Wetlan | W D S S F F F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| etland Hydrology Indicators: imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I eld Observations: urface Water Present? Aturation Present? Aturation Present? Aturation Present? Aturation Present? Secribe Recorded Data (stream gauge, mage) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): O, 5" Wetlan | W D S S F F F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| tland Hydrology Indicators: marv Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Ind Observations: rface Water Present? Yes ter Table Present? Yes turation Present? Yes cudes capillary fringe) scribe Recorded Data (stream gauge, marked bate) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): N/A No Depth (inches): O, 5" Wetlan | W D S S F F F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) rry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 ieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |

| WETLAND DETERMINATION DATA | A FORM – Wes | stern Mounta | ains, Valleys, and Coast Region |
|--|----------------------------------|---------------------------------------|---|
| Alber delin | City/Coun | Fin | 0 000 00 |
| roject/Site: | | | State: A Sampling Point: 39 R |
| Applicant/Owner: EMPERA CITY Scroops nvestigator(s): Soseph Saler, Cingy, WillCax | Section, 1 | Fownship, Range | NWY SEC. 25, THN, RIW, HBM |
| andform (hillslope, terrace, etc.): Dare of slope | | | nvex, none): Nove Slope (%): V-L |
| Subregion (LRR): A, MZRA-48 | Lat: 40.780 | 1263 1 | ong: -124.156440° Datum: W6584 |
| Soil Map Unit Name: 257 - Lepoil - Condy / | Mtn. Comple | x, 2-15% | Slopes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this t | ime of year? Yes | × No | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology sig | nificantly disturbed | ? Are "No | ormal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology na | turally problematic | ? (If need | ded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map s | howing sampl | ing point loo | cations, transects, important features, etc. |
| | | | |
| Hydric Soil Present? Yes No | w | the Sampled A within a Wetland | |
| Wetland Hydrology Present? Yes X No | | | 2 |
| Remarks: 10 ft between TP 39 R and | TP395 | | |
| VEGETATION – Use scientific names of plant | s. | μ | |
| Trac Stratum (Plot size: 30ft) | Absolute Domin % Cover Specie | ant Indicator es? Status | Dominance Test worksheet: Number of Dominant Species |
| 1. Raycolva Menziesi | 25 V | FACU | That Are OBL, FACW, or FAC: (A) |
| 2 Salx asiandra | 10 | FACW | Total Number of Dominant |
| 3. Ilex g quitoinan | 5 | <u>+ACU</u> | Species Across All Strata: (B) |
| 4 | 46 | 20. | Percent of Dominant Species 50 % (A/B) |
| Sapling/Shrub Stratum (Plot size: 54 | <u>-10</u> = 1ota | Cover 8 | That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: |
| 1. Bichsig Magellaica | 25 V | TACU | Total % Cover of: Multiply by: |
| 2. Lubius Missiquis | 20 1 | - TACH | OBL species 46 x1 = 46 |
| 3. Rubus arméniacus | - <u>+</u> | _ the | FACW species x 2 = |
| 4 | | | FAC species 17 $x_3 = 5$ EACU species 75 $x_4 = 300$ |
| 5 | 52 = Tota | al Cover 26 | |
| Herb Stratum (Plot size: 54 | 25 | 001 | UPL species $x5 =$ Column Totals: 155 (A) (B) |
| 1. Lysichitan americanus | 15 | - all | Prevalence Index = $B/A = 2.78$ |
| 2. Scirpus Microcarpus | -10-1 | FAC | Hydrophytic Vegetation Indicators: |
| 3. Crocosmia × crocostniflora 4. Equiserum tel mateia | 7 | FACW | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Stachys a hapiger | 6 | <u>dBL</u> | 2 - Dominance Test is >50% |
| 6 | | | X 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 9 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10 | | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| | 63_= To | tal Cover 31.5 | De present, uness distanced of problemate. |
| Woody Vine Stratum (Plot size: | | 14.0 | Hudrophytic |
| 1 | | · · · · · · · · · · · · · · · · · · · | - Hydrophytic Vegetation Present? Yes No |
| 2 | = To | otal Cover | Present? Yes No |
| % Bare Ground in Herb Stratum 40* | | | |
| Remarks: Much + debris | | | |
| W Littlerer | | | |

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Sampling Point: TP39 R

| Frome beautiption. Theating to the def | oth needed to document the indicator or confirm | the absence of indicators.) |
|---|---|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) 7 % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-3 2.5 12.5/1 00 | | SL |
| 3-11 10YR3/1 93 | 7.54R 4/6 7 C PL | SL |
| 1-24+ 2,54 4/1 100 | | D. |
| | | |
| | | e and the second s |
| | | the second se |
| | | |
| Sec. 2 | | |
| | | |
| ¹ Type: C=Concentration D=Depletion RM | =Reduced Matrix, CS=Covered or Coated Sand Gr | rains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | X Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | 3 |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) | Depleted Dark Surface (F7) Redox Depressions (F8) | wetland hydrology must be present, unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | line a |
| Depth (inches): | | Hydric Soil Present? Yes X No |
| Remarks: | (A. A. M.) | |
| Giacia C DAST-N | e AAD reaction | |
| S mores portion | - In torcion 1 | |
| | | |
| | | |
| | 17.5 | |
| | | |
| Wetland Hydrology Indicators: | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requires Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc X Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requires Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rock Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requires Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) T) Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Stunted or Stressed Plants (D1) (LRR A) (B8) No Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Yes Water Table Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): <u>N/A</u> Depth (inches): <u>D225</u> | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) B8) No Depth (inches): 12,25 No Depth (inches): 3 Jo Weth | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes <u>No</u> |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): <u>N/A</u> Depth (inches): <u>D225</u> | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes <u>No</u> |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) B8) No Depth (inches): 12,25 No Depth (inches): 3 Jo Weth | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes <u>No</u> |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches): 12,25 No Depth (inches): 310 Weth onitoring well, aerial photos, previous inspections), | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No if available: |
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WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

| Project/Site: Albee Stadium | City/County: Kureka / Humbold Sampling Date: 9/23/20 |
|--|---|
| Applicant/Owner: Eureha City Jchools | State; CA Sampling Point; TP 39.5 |
| Investigator(s): SR, SP | Section, Township, Range: NW4 Sec. 25, T4N, R1W, HBM |
| Landform (hillslope, terrace, etc.): hillslope | Local relief (concave, convex, none): None Slope (%): 38 |
| Subregion (LRR): A, MLKA -4B Lat: 4 | 0.789286° Long: -124.156434° Datum: W&S 84 |
| Soil Map Unit Name: 257-Lepoil - Condy Mtn. Ca | mplex, 2-15% sloper NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of ye | ear? YesNo (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly | y disturbed? 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 point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No | |
| Hydric Soil Present? Yes X No | Is the Sampled Area |
| Wetland Hydrology Present? Yes No _X | within a Wetland? Yes No |
| Remarks: @ transition of wetland ~ 3" | uphill on Misside of App |

VEGETATION – Use scientific names of plants.

| 20 64 | Absolute Dominant Indicator | Dominance Test worksheet: |
|---|--------------------------------|---|
| Tree Stratum (Plot size: 30 ft) | <u>% Cover Species?</u> Status | Number of Dominant Species |
| 1. Pseudotsuga menzicsii | 85 Y FACU | That Are OBL, FACW, or FAC: (A) |
| 2 | | |
| 3 | | Total Number of Dominant Species Across All Strata: (B) |
| | | |
| 4 | 26 | Percent of Dominant Species 🤈 🧷 🏏 |
| Sapling/Shrub Stratum (Plot size: 5ft.) | = Total Cover | That Are OBL, FACW, or FAC:(A/B) |
| Sapling/Snrub Stratum (Plot size:) | V CALL | Prevalence Index worksheet: |
| 1. Fuchia megallursa | 10 Y FACY | Total % Cover of: Multiply by: |
| 2. Gualtheig Shallon | Y Y FACU | |
| 3. Rubus amenincus | 2 IN FAC | OBL species x 1 = |
| 4. Iles quifeling | | FACW species x 2 = |
| 5. Rubus ursinus | 2 N FACU | FAC species x 3 = |
| 5. <u></u> | | FACU species x 4 = |
| Herb Stratum (Plot size: 577) | = Total Cover | UPL species x 5 = |
| 1. Crocomin & crocomilitors | 7 Y FAC | Column Totals: (A) (B) |
| 2. Scippus milacopus | 6 Y. OBL | |
| | | Prevalence Index = B/A = |
| 3. Struthiepten's spicent | ~ | Hydrophytic Vegetation Indicators: |
| 4. Athunan fibx-femma | FACU | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Prosortes smithi | I N NL | 2 - Dominance Test is >50% |
| 6. Strictings a jugoides | I N OBL | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| | | ¹ Indicators of hydric soil and wetland hydrology must |
| 11. | 24 = Total Cover | be present, unless disturbed or problematic |
| Woody Vine Stratum (Plot size: 544 | 24 = Total Cover 4.8 | |
| | 10 Y PACH | |
| 1. Helen helix | 10 Y TACU | Hydrophytic |
| 2 | | Vegetation Present? Yes No |
| 711 | <u> </u> | Present? Yes No X |
| % Bare Ground in Herb Stratum | | |
| Remarks | | |
| | | |
| | | |

192

Sampling Point: 19395

| | vintion: (Describe | to the de- | oth needed to docur | mont the ! | adicates | or confirm | the charges | of indicators) |
|---|--|--|--|--|--|--|--|--|
| | | to the dep | | | | or continu | the absence | of indicators.) |
| Depth (inches) | Color (moist) | % | Color (moist) | x Features | Type ¹ | Loc ² | Texture | Remarks |
| 0-3 | 10 yr 2/2 | 100 | | | | | SL | |
| 3-12 | 10 1/2 3/2 | 80 | 10 KR 314 | 5 | C | M | SL | · · · · · · · · · · · · · · · · · · · |
| | | | 10 42 513 | 5 | c | M | | |
| | | | 514/2 | | | m | | 16 |
| 1 | 1 14. 4 44 | | | 10 | | <u></u> | | |
| 12-17 | IOYR 212 | 50 | 5YR 313 | 15 | <u>_</u> | _M | SL | |
| | | | 54 412 | 35 | C | M | | |
| 17-24+ | 5GY 4/1 | 80 | 10TR 3/6 | 10 | _C | PL | SL | |
| | | | 10 18 42 | 10 | C | M | | |
| ¹ Type: C=Co | oncentration, D=Dep | letion, RM | Reduced Matrix, CS | S=Covered | l or Coate | d Sand Gra | ains. ² Loo | ation: PL=Pore Lining, M=Matrix. |
| Hydric Soil | Indicators: (Applic | able to all | I LRRs, unless othe | rwise not | ed.) | | Indicato | rs for Problematic Hydric Soils ³ : |
| Histosol | (A1) | | Sandy Redox (| S5) | | | 2 cn | n Muck (A10) |
| Histic Ep | pipedon (A2) | | Stripped Matrix | : (S6) | | | Red | Parent Material (TF2) |
| Black Hi | stic (A3) | | Loamy Mucky I | Mineral (Fi |) (except | MLRA 1) | Very | / Shallow Dark Surface (TF12) |
| Hydroge | n Sulfide (A4) | | Loamy Gleyed | Matrix (F2 |) | | Othe | er (Explain in Remarks) |
| Depleted | d Below Dark Surfac | e (A11) | Depleted Matrix | x (F3) | | | | |
| Thick Da | ark Surface (A12) | | 🔀 Redox Dark Su | Irface (F6) | | | ³ Indicato | rs of hydrophytic vegetation and |
| Sandy N | lucky Mineral (S1) | | Depleted Dark | Surface (F | 7) | | wetla | nd hydrology must be present, |
| Sandy G | eyed Matrix (S4) | | Redox Depress | sions (F8) | | | unles | s disturbed or problematic |
| Restrictive I | ayer (if present): | | | | | | | |
| Type: | A | | | | | | | N/ |
| Depth (ind | ches): | | | | | | Hydric Soil | Present? Yes X No |
| Remarks: | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| HYDROLO | GY | | | | | | | * |
| | | | | | | | | |
| Wetland Hyd | drology Indicators: | | d chack all that and | | | | Sarou | adary Indicators (2 or more required) |
| Wetland Hyd Primary India | drology Indicators: cators (minimum of c | | ed; check all that app | | (50) (| | | ndary Indicators (2 or more required) |
| Wetland Hyd Primary India Surface | drology Indicators: cators (minimum of c Water (A1) | | Water-Sta | ined Leav | | xcept | | Vater-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hyd Primary India Surface High Wa | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) | | Water-Sta | | | xcept | | |
| Wetland Hyd Primary India Surface | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) | | Water-Sta | ined Leav 1, 2, 4A, a | | xcept | v | Vater-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hyd Primary India Surface High Wa Saturatio | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) | | Water-Sta MLRA Salt Crust | ined Leav 1, 2, 4A, a | nd 4B) | xcept | v | /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M | drology Indicators: cators (minimum of c Water (A1) iter Table (A2) on (A3) | | Water-Sta MLRA Salt Crust Aquatic In | iined Leav 1, 2, 4A, a (B11) | nd 4B) s (B13) | xcept | v d | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimen | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) | | Water-Sta MLRA Salt Crust Aquatic In Hydrogen | ined Leave 1, 2, 4A, a (B11) overtebrate Sulfide Od | and 4B) s (B13) lor (C1) | | v c s | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Irrainage Patterns (B10) Iry-Season Water Table (C2) Iraturation Visible on Aerial Imagery (C9) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) | | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized f | ined Leave 1, 2, 4A, a (B11) wertebrate Sulfide Oo Rhizosphe | s (B13) for (C1) res along | Living Root | W D S ts (C3) G | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Irrainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) | | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence | ined Leav 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce | nd 4B) s (B13) for (C1) res along d Iron (C4 | Living Root | W D S ts (C3) S | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) thallow Aquitard (D3) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep | drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) | | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc | ined Leav 1, 2, 4A, a (B11) wertebrate Sulfide Oa Rhizosphe of Reduce on Reducti | nd 4B) s (B13) lor (C1) res along d Iron (C4 on in Tille | Living Root 1) d Soils (C6) | W D C S ts (C3) G S) F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Irrainage Patterns (B10) Irry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) |
| Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface | drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) | one require | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted o | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction r Stressed | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D | Living Root | V D S ts (C3) G S) F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) thallow Aquitard (D3) AC-Neutral Test (D5) claised Ant Mounds (D6) (LRR A) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial | one require | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc Stunted of Other (Ex | ined Leav 1, 2, 4A, a (B11) wertebrate Sulfide Oa Rhizosphe of Reduce on Reducti | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D | Living Root 1) d Soils (C6) | V D S ts (C3) G S) F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Irrainage Patterns (B10) Irry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma iron Dep Surface Inundatio Sparsely | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav | one require | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc Stunted of Other (Ex | ined Leave 1, 2, 4A, a (B11) wertebrate Sulfide Oc Rhizosphe of Reduce on Reduction r Stressed | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D | Living Root 1) d Soils (C6) | V D S ts (C3) G S) F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) thallow Aquitard (D3) AC-Neutral Test (D5) claised Ant Mounds (D6) (LRR A) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: | ime require Imagery (E e Surface (| Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted oi Stunted oi Other (Ex) (B8) | ined Leave 1, 2, 4A, a (B11) wertebrate Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed plain in Re | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D | Living Root 1) d Soils (C6) | V D S ts (C3) G S) F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) thallow Aquitard (D3) AC-Neutral Test (D5) claised Ant Mounds (D6) (LRR A) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma iron Dep Surface Inundatio Sparsely | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: | ime require Imagery (E e Surface (| Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc Stunted of Other (Ex | ined Leave 1, 2, 4A, a (B11) wertebrate Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed plain in Re | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D | Living Root 1) d Soils (C6) | V D S ts (C3) G S) F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) thallow Aquitard (D3) AC-Neutral Test (D5) claised Ant Mounds (D6) (LRR A) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma iron Dep Surface Inundatio Sparsely Field Obser | drology Indicators: cators (minimum of c Water (A1) hter Table (A2) on (A3) larks (B1) ht Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial / Vegetated Concave vations: er Present? | imagery (E e Surface (′es | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted oi Stunted oi Other (Ex) (B8) | ined Leave 1, 2, 4A, a (B11) wertebrate Sulfide Oc Rhizosphe of Reduce on Reduction r Stressed plain in Re | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D | Living Root 1) d Soils (C6) | V D S ts (C3) G S) F R | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) thallow Aquitard (D3) AC-Neutral Test (D5) claised Ant Mounds (D6) (LRR A) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Obser Surface Water | drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Y | Imagery (E e Surface ('es | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted or Stunted or Other (Ex) (B8) | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce of Reduce plain in Re plain in Re aches): | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D | Living Rodf 4) d Soils (C6) 1) (LRR A) | W D S (C3) G S) F F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) thallow Aquitard (D3) AC-Neutral Test (D5) claised Ant Mounds (D6) (LRR A) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Obserr Surface Water Water Table Saturation PP (includes cap | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial / Vegetated Concav vations: er Present? Present? Y present? Y poillary fringe) | Imagery (E e Surface (′es ′es | Water-Sta MLRA MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted or Stunted or Other (Ex) (B8) No X Depth (in No X Depth (in | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce of Reduce plain in Re plain in Re aches): aches): | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D marks) | Living Rodf 4) d Soils (C6) 1) (LRR A) Wetla | V D S ts (C3) G S) F R F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) Baised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Observ Surface Water Water Table Saturation PP (includes cap | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial / Vegetated Concav vations: er Present? Present? Y present? Y poillary fringe) | Imagery (E e Surface (′es ′es | Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted or Stunted or Other (Ex) (B8) | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce of Reduce plain in Re plain in Re aches): aches): | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D marks) | Living Rodf 4) d Soils (C6) 1) (LRR A) Wetla | V D S ts (C3) G S) F R F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) Baised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation Field Obser Surface Water Surface Water Vater Table Saturation Ph (includes cap Describe Ref | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial / Vegetated Concav vations: er Present? Present? Y present? Y poillary fringe) | Imagery (E e Surface (′es ′es | Water-Sta MLRA MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted or Stunted or Other (Ex) (B8) No X Depth (in No X Depth (in | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce of Reduce plain in Re plain in Re aches): aches): | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D marks) | Living Rodf 4) d Soils (C6) 1) (LRR A) Wetla | V D S ts (C3) G S) F R F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) Baised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Observer Surface Water Water Table Saturation Ph (includes cap | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial / Vegetated Concav vations: er Present? Present? Y present? Y poillary fringe) | Imagery (E e Surface (′es ′es | Water-Sta MLRA MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted or Stunted or Other (Ex) (B8) No X Depth (in No X Depth (in | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce of Reduce plain in Re plain in Re aches): aches): | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D marks) | Living Rodf 4) d Soils (C6) 1) (LRR A) Wetla | V D S ts (C3) G S) F R F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) Baised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation Field Obser Surface Water Surface Water Vater Table Saturation Ph (includes cap Describe Ref | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial / Vegetated Concav vations: er Present? Present? Y present? Y poillary fringe) | Imagery (E e Surface (′es ′es | Water-Sta MLRA MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted or Stunted or Other (Ex) (B8) No X Depth (in No X Depth (in | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce of Reduce plain in Re plain in Re aches): aches): | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D marks) | Living Rodf 4) d Soils (C6) 1) (LRR A) Wetla | V D S ts (C3) G S) F R F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) Baised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation Field Obser Surface Water Surface Water Vater Table Saturation Ph (includes cap Describe Ref | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial / Vegetated Concav vations: er Present? Present? Y present? Y poillary fringe) | Imagery (E e Surface (′es ′es | Water-Sta MLRA MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted or Stunted or Other (Ex) (B8) No X Depth (in No X Depth (in | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce of Reduce plain in Re plain in Re aches): aches): | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D marks) | Living Rodf 4) d Soils (C6) 1) (LRR A) Wetla | V D S ts (C3) G S) F R F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) Baised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |
| Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation Field Obser Surface Water Surface Water Vater Table Saturation Ph (includes cap Describe Ref | drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial / Vegetated Concav vations: er Present? Present? Y present? Y poillary fringe) | Imagery (E e Surface (′es ′es | Water-Sta MLRA MLRA Salt Crust Aquatic In Hydrogen Oxidized f Presence Recent Irc Stunted or Stunted or Other (Ex) (B8) No X Depth (in No X Depth (in | ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce of Reduce plain in Re plain in Re aches): aches): | nd 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D marks) | Living Rodf 4) d Soils (C6) 1) (LRR A) Wetla | V D S ts (C3) G S) F R F | Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) Baised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) |

| WETLAND DETERMINATION DATA FORM – Western Mou | ntains, Valleys, and Coast Region |
|--|---|
| Project/Site: Albre Stadium City/County: Euro | Ko Sampling Date: 9/17/20 |
| Applicant/Owner: Eyreky City Schools | State; CA Sampling Point: TP 40 |
| Investigator(s): Sam Polly Joseph Saler Section, Township, Ra | nge: <u>NW4 Sec. 25, T4N, R1W, HBM</u> |
| Landform (hillslope, terrace, etc.): | convex, none): None Slope (%): 6 |
| | Long: ~[24. 155951° Datum: WGS 84 |
| Soil Map Unit Name: 212-Urbon land - Halt Hutt-Red Son & Complex, 0-5) | Side NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are " | Normal Circumstances" present? Yes X 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 No Is the Sampled | Area |
| within a Wotlar | |
| Pomarka: | EN IL STILLE |
| TP 2ft westat sidewalk retaining kalal, 1 | 15 HSouthot Sixth bleahoil. |
| VEGETATION – Use scientific names of plants. | |
| Tree Stratum (Plot size: 30, 11,) Absolute Dominant Indicator % Cover Species? Status | Dominance Test worksheet: |
| 1. Acer rubrum (planted) 50 V FAC | Number of Dominant Species 2 (A) |
| 2. Septional Sompervirons 30 NL | Total Number of Dominant |
| 3. Alhus Moring 10 FAC | Species Across All Strata: |
| 4 | Percent of Dominant Species 50% |
| Sapling/Shrub Stratum (Plot size:) 90 = Total Cover | That Are OBL, FACVV, or FAC: (A/B) |
| 1 | Prevalence Index worksheet: |
| 2 | |
| 3 | FACW species 0 $x = 0$ |
| 4 | FAC species $105 \times 3 = 315$ |
| | FACU species 40 x 4 = 160 |
| Herb Stratum (Plot size: 564 = Total Cover | UPL species 30 x 5 = 150 |
| 1-Ranuncielus repens I FAC | Column Totals: <u>195</u> (A) <u>645</u> (B) |
| 2. AnthoXanthum odoratum 25 FACU | Prevalence Index = B/A = <u>3.3</u> |
| 4. Scilous microcarpus 20 OBL | Hydrophytic Vegetation Indicators: |
| 4. Scipus microcarpus 20 OBL 5. Hopodageris, radicata 3 FACU | 1 - Rapid Test for Hydrophytic Vegetation |
| 6. PLATAGO ANCEDITAS 1 FACU | 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Agrostis staantera 30 / FAC | 3 - Prevalence index is \$3.0 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 Earlischun arveise 4 FAC | data in Remarks or on a separate sheet) |
| 9 Prinella Vulgaris 1 FACU | 5 - Wetland Non-Vascular Plants ¹ |
| 10. Festuca rubra 5_ FAC | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 105 525 | Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | |
| 1 | Hydrophytic |
| 2 | Vegetation |
| % Bare Ground in Herb Stratum | Present? Yes No |
| Remarks: | |
| () . Pit excavated ad). to be eachers some s | pecies likely landraging |
| | 1 remnants |

US Army Corps of Engineers

Sampling Point: TP40

| Profile Description: (Describe to th | e depth needed to document the indicator or c | onfirm the absence | of indicators.) |
|---|--|--|--|
| Depth Matrix | Redox Features | | |
| (inches) Color (moist) | % Color (moist) % Type ¹ L | oc ² <u>Texture</u> | Remarks |
| 0-6 10YR 2/2 10 | 0 | - E | |
| 6-10 54 3/1 9 | 2 5YR3/3 8 C P | L SL | |
| 10-24+ 1044/1 95 | $\frac{10}{10}$ 10 | L LS | chardeal procent |
| | | | |
| · | | 10 | |
| ······ | | | |
| · | | | |
| | | | |
| | | | |
| Type: C=Concentration D=Depletion | n, RM=Reduced Matrix, CS=Covered or Coated Si | and Grains ² or | cation: PL=Pore Lining, M=Matrix. |
| | to all LRRs, unless otherwise noted.) | | ors for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | | n Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | | Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except ML | | Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Oth | er (Explain in Remarks) |
| Depleted Below Dark Surface (A [*] | | 3 | |
| Thick Dark Surface (A12) | X Redox Dark Surface (F6) | | ors of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | | nd hydrology must be present, s disturbed or problematic. |
| Sandy Gleyed Matrix (S4) Restrictive Layer (if present): | Redox Depressions (F8) | | s disturbed of problematic. |
| | 1 A A A A A A A A A A A A A A A A A A A | | |
| Type: | | Hydric Soil | Present? Ves X No |
| Depth (inches): | | | |
| Remarks: | | | |
| * | | | |
| | | | |
| | | | |
| HYDROLOGY | | | |
| Wetland Hydrology Indicators: | | | |
| Primary Indicators (minimum of one re | equired; check all that apply) | Seco | ndary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (exce | ptV | Vater-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | | 4A, and 4B) |
| Saturation (A3) | Sait Crust (B11) | [[] | Drainage Patterns (B10) |
| Water Marks (B1) | | | |
| | Aquatic Invertebrates (B13) | X | Pry-Season Water Table (C2) |
| Sediment Deposits (B2) | Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | | Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Sediment Deposits (B2) Drift Deposits (B3) | | | • |
| | Hydrogen Sulfide Odor (C1) | s ng Roots (C3) C s | Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So | ng Roots (C3) C S S pils (C6) F | Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Stunted or Stressed Plants (D1) (| ng Roots (C3) C S oils (C6) F LRR A) F | Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imag | Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Se Stunted or Stressed Plants (D1) (I Other (Explain in Remarks) | ng Roots (C3) C S oils (C6) F LRR A) F | Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imag Sparsely Vegetated Concave Su | Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Se Stunted or Stressed Plants (D1) (I Other (Explain in Remarks) | ng Roots (C3) C S oils (C6) F LRR A) F | Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imag Sparsely Vegetated Concave Su Field Observations: | Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Stunted or Stressed Plants (D1) (0 gery (B7) Other (Explain in Remarks) | ng Roots (C3) C S oils (C6) F LRR A) F | Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imag Sparsely Vegetated Concave Su | Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Stunted or Stressed Plants (D1) (0) (B7) Other (Explain in Remarks) Inface (B8) No Depth (inches): NA | ng Roots (C3) C S oils (C6) F LRR A) F | Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imag Sparsely Vegetated Concave Su Field Observations: Surface Water Present? Yes _ Water Table Present? Yes _ Saturation Present? Yes _ | Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Stunted or Stressed Plants (D1) (0) (B7) Other (Explain in Remarks) Inface (B8) No Depth (inches): NA | ng Roots (C3) C S oils (C6) F LRR A) F | Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| WETLAND DETERMINATION DAT | TA FORM - | Western Mour | ntains, Valleys, and Coast Region |
|---|-------------------|-----------------------------------|---|
| Project/Site: Albee Stadium | City/ | County: Eur | eka Sampling Date: |
| Applicant/Owner: Eureka City Schook | Only/ | | State: A Sampling Point: TP 41 |
| Investigator(s): Joseph Sales, Sam Poll | V Sect | tion. Township, Ran | nge NWY Sec. 25, THN, RIW, HBM |
| Landform (hillslope, terrace, etc.): HillSlope | / | | convex, none): None, Slope (%): 15 |
| Subregion (LRR): A, MLRA - 4B | | | Long: - 124. 155991° Datum: WGS 84 |
| | | | 5% NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this | time of year? | Yes X No _ | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology sig | gnificantly distu | Irbed? Are "I | Normal Circumstances" present? Yes X 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 | howing sa | mpling point lo | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No |) | | N |
| Hydric Soil Present? Yes X No | · | Is the Sampled within a Wetlan | × × |
| | × | | |
| Remarks: Just uphill of TP40 | | | |
| | | | |
| VEGETATION – Use scientific names of plant | S. | | |
| Tree Stratum (Plot size: 30ff) | | minant Indicator ecies? Status | Dominance Test worksheet: |
| 1. Almus rubry | 2 | FAC | Number of Dominant Species That Are OBL, FACW, or FAC:(A) |
| 2. Acer pobrum | 70 1 | FAC | Total Number of Dominant |
| 3. Sequois remporters | 50 1 | NL | Species Across All Strata: |
| 4 | 22 = T | | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 544) | 100 = 1 | | That Are OBL, FACW, or FAC: //////////////////////////////////// |
| 1. Rubus grmenigens | 1 | +AC | Prevalence Index worksheet: Total % Cover of: Multiply by: |
| 2 | | | OBL species x 1 = |
| 3 | | | FACW species x 2 = |
| 4 5 | | | FAC species x 3 = |
| -c h | 1 = T | otal Cover | FACU species x 4 = |
| Herb Stratum (Plot size: 5+1) | 18 | | UPL species x 5 = |
| 1. Hypochaeris radicates | <u>-</u> <u>l</u> | HACU | Column Totals: (A) (B) |
| 2. Trifolium repers 3. Mantago (anceolata | | - FACU | Prevalence Index = B/A = |
| 4. Taraxiacum officinale | 5 | FACU | Hydrophytic Vegetation Indicators: |
| 5. Anthox anthrom odvatum | 30 1 | FACU | 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% |
| 6. SCIPPS MILLOCARDUS | 25 1 | OBL | 3 - Prevalence Index is $\leq 3.0^{1}$ |
| 7. Agostis Stolon; Fera | 20 1 | FAC | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Dellis perenne | 2 | NĽ | data in Remarks or on a separate sheet) |
| 9. Roninditus report | 3 | <u>FAC</u> | 5 - Wetland Non-Vascular Plants ¹ |
| 10. Cerastim glimeratum | 1 | FACY_ | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | 17 | 56 | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic, |
| Woody Vine Stratum (Plot size: 5F4) | | otal Cover 224 | |
| 1. Fledera helax | 1 | | Hydrophytic |
| 2 | | | Vegetation Present? Yes No |
| | = To | otal Cover | |

| 2 8 Bare Ground in Herb Stratum | == Total Cover | Hydrophytic Vegetation Present? | Yes <u> </u> | |
|---|----------------------|---------------------------------------|------------------|----------------|
| Remarks: Rubus armeijacus and Hedera in eachstratum. | helid not consted as | Joninants be | caure of the low | (1 citer (#5%) |

US Army Corps of Engineers

Sampling Point: TP41

| Profile Description: (Describe to the de | pth needed to document the indicator or confirm | m the absence of indicators.) |
|--|--|--|
| Depth Matrix | Redox Features | 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - |
| (inches) Color (moist) % | <u>Color (moist)</u> % <u>Type¹</u> Loc ² | Remarks |
| 0-6 10 YR 3/1 100 | | |
| 6-12 10YR3/150 | 104R414 25 C M | SL |
| | OVR 4/2 25 D M | |
| 1-24 INV0 2/2 95 | 5V5/2 5 D M | 1< |
| IE ET IVIKJE IJ | JAJE D D M | |
| | | (* <u></u> * |
| | | |
| | | |
| | · · · · · · · · · · · · · · · · · · · | |
| | - Deduced Metrix CS=Covered or Costed Sand G | Grains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to a | A=Reduced Matrix, CS=Covered or Coated Sand G | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1 | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Kedox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | <i>i</i> | Hydric Soil Present? Yes No |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: Transition loc | a) 700 | |
| HYDROLOGY | 4) 7 0 9 | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require | ed; check all that apply) | Secondary Indicators (2 or more required) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) | ed; check all that apply) Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) | ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) | ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | ed: check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Doots (C3) Geomorphic Position (D2) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) otots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | ed: check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 1) B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) |
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| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: | ed: check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Ro — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C — Stunted or Stressed Plants (D1) (LRR B7) — Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) |
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| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | ed; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) ttand Hydrology Present? Yes No |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | ed: check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 1) B7) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) ttand Hydrology Present? Yes No |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | ed; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) ttand Hydrology Present? Yes No |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | ed; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) ttand Hydrology Present? Yes No |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | ed; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) ttand Hydrology Present? Yes No |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir | ed; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) ttand Hydrology Present? Yes No |

| WETLAND DETERMINATION DATA FORM - W | /estern Mountains, Valleys, and Coast Region |
|--|--|
| Project/Site: Albee Stadium City/Co | ounty: Eurelia Sampling Date: 9/17/20 |
| Applicant/Owner- Eurepa City Schools, | State: CA Sampling Point: TP 42 |
| Investigator(s): Sam Polly, Joseph Saler Section | n, Township, Range: NW & Sec. 25, T4N, R1W, HBM |
| Landform (hillslope, terrace, etc.): Hills ope Local r | relief (concave, convex, none): None Slope (%): 3 |
| Subregion (LRR): A, MLRA-4B Lat: 40.78 | 18423° Long: ~124. 155990° Datum: WGS 84 |
| Soil Map Unit Name: 257 - Lepoil - Candy Mtn. Comple | ex, 2-15% NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Ye | s X No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed | ed? Are "Normal Circumstances" present? Yes X_ No |
| Are Vegetation, Soil, or Hydrology naturally problemati | ic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing same | pling point locations, transects, important features, etc. |
| | Is the Sampled Area within a Wetland? Yes No |
| Remarks: Set of 3 South accords welding of | ran 427-41 |

VEGETATION – Use scientific names of plants.

| 200 | Absolute | Dominant Indicator | Dominance Test worksheet: |
|------------------------------------|----------|--------------------|---|
| Tree Stratum (Plot size: 304+) | % Cover | Species? Status | Number of Dominant Species |
| 1 A AUS AUDIA | 30 | V FAC | That Are OBL, FACW, or FAC: (A) |
| 2. Chadadedran cultivor & | 45 | NL | Total Number of Dominant 2 |
| 3. Sequera semperviters | 10 | VNL | Species Across All Strata: 3 (B) |
| 4. | 76 L | | |
| | 85 | = Total Cover 24 | Percent of Dominant Species 33% (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 = |
| N | | | FAC species x 3 = |
| 5 | | - Tatal Oana | FACU species x 4 = |
| Herb Stratum (Plot size: 574) | | _= Total Cover | UPL species x 5 = |
| 1. Anthe Xanthun a doration | 60 | / FACU | Column Totals: (A) (B) |
| 2. Hypochagir ragicara | 15 | - DIU | |
| 3. Equisitim arverse | 1 | IA/ | Prevalence Index = B/A = |
| 4. Science Micro Corous | 0 | 681 | Hydrophytic Vegetation Indicators: |
| r | | | 1 - Rapid Test for Hydrophytic Vegetation |
| | | | 2 - Dominance Test is >50% |
| 6 | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 9 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10 | | | |
| 11, | 00 | 43 | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 86 | = Total Cover 42 | |
| | | | |
| 1 | | · | Hydrophytic |
| 2, | 1 | | Vegetation Present? Yes No |
| % Bare Ground in Herb Stratum 14 7 | - | _= Total Cover | |
| Remarks: | | V PL-1-10 | han not cartal as history |
| Litter | | | ndron Not counted as a dominant |
| | | bo court | eit was plasted and does not reflect |
| 1 | | neur | cit was premier and and the truthe |
| US Army Corps of Engineers | | | Western Mountains, Valleys, and Coast – Version 2.0 |
| | | | |

| Sampling Point: | TP | 42 | |
|-----------------|----|----|--|
| Sampling Point. | 11 | | |

| Profile Description: (Describe to the dep | th needed to document the indicator or confirm | the absence of indicators.) |
|--|---|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-6 0YR2 00 | | SL |
| 6-13 INYR3/2 100 | //// | SL |
| 13-16 10 YR 3/3 100 | //// | |
| 12 201 542 160 | | <u> </u> |
| 16-07 54 2/2 100 | | |
| | | |
| | | |
| | | |
| · | | |
| | | 54 |
| | Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Thick Dark Surface (A12) Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| | | |
| Remarks: | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one require | d: chock all that apply) | Secondary Indicators (2 or more required) |
| | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Surface Water (A1) | | |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | — Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | — Oxidized Rhizospheres along Living Roo | |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled Soils (C6 | |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1) (LRR A) | |
| Inundation Visible on Aerial Imagery (E | 7) Other (Explain in Remarks) | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Surface | (B8) | |
| Field Observations: | N | |
| Surface Water Present? Yes | No X Depth (inches): N/A | |
| Water Table Present? Yes | No Depth (inches): N/A | |
| Saturation Present? Yes | | and Hydrology Present? Yes No 🔀 |
| (includes capillary fringe) | | |
| Describe Recorded Data (stream gauge, m | onitoring well, aerial photos, previous inspections), | if available: |
| | | |
| Remarks | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| WETLAND | DETERMINATION DAT | A FORM – Western Mou | ntains, Valleys, and C | Coast Region |
|----------------------------------|-------------------------------------|-----------------------------|------------------------------|-----------------------|
| Project/Site: <u>Albee</u> | Stadium | City/County: Ere | | ampling Date: 9/0/20 |
| Applicant/Owner: | City School | | | ampling Point: TP 43 |
| Investigator(s): | Saler, San Polly | Section, Township, Ra | nge: NWYSec.25 | THIV, RIW, HEM |
| Landform (hillslope, terrace, et | c.): Hillstope 1 | Local relief (concave, | convex, none): None | Slope (%): 12 |
| Subregion (LRR): A, MLK | (A -4B' | Lat: 40.788430° | Long: -124.155 | 965 Datum: WGS 84 |
| Soil Map Unit Name: 29 | 57-Lepsil-CandyM | to Complex 2-15, | NWI classification | on: None |
| Are climatic / hydrologic condit | ions on the site typical for this t | ime of year? Yes 📈 No _ | (If no, explain in Rem | narks.) |
| Are Vegetation, Soil | , or Hydrology sig | nificantly disturbed? Are | 'Normal Circumstances" pres | sent? Yes <u>X</u> No |
| Are Vegetation, Soil | , or Hydrology nat | turally problematic? (If ne | eeded, explain any answers i | in Remarks.) |

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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes X No Yes X No Yes No | Is the Sampled Area within a Wetland? | Yes No |
|---|--------------------------------|---------------------------------------|--------|
| Remarks: See note ~ 42 | - | | |

VEGETATION – Use scientific names of plants.

| Tree Stratum (Plot size: 30 ft) | Absolute | Dominant Indicator | Dominance Test worksheet: |
|--|----------|--------------------|---|
| The present in the second seco | % Cover | Species? Status | Number of Dominant Species 2 |
| 1. Allow pubry | 50 | V TAC | That Are OBL, FACW, or FAC: (A) |
| 2. Rhododydron withor * | 50 | NL | Total Number of Dominant |
| 3 | | | Species Across All Strata: (B) |
| 4 | | 11 - 12 | |
| | 80 | = Total Cover | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 54+) | _0. | | That Are OBL, FACW, or FAC: (A/B) |
| 1. Rubus gran laig cus | 2 | FAC | Prevalence Index worksheet: |
| 2 | | | Total % Cover of:Multiply by: |
| | | | OBL species x 1 = |
| 3. | | | FACW species x 2 = |
| 4 | | 1 1 1 | FAC species x 3 = |
| 5, | | | FACU species x 4 = |
| Herb Stratum (Plot size: 5-1+) | 2 | = Total Cover | UPL species x 5 = |
| 1. Sciences microcarpus | 50 | V OBL | Column Totals: (A) (B) |
| 2. Anthoxanthum oduratum | 8 | FACH | |
| 3. Hypo dylais radicata | 7 | FACIL | Prevalence Index = B/A = |
| 4. Equisetun anense, | 20 | I FAC | Hydrophytic Vegetation Indicators: |
| | TI | P THU | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Ranunculus repens | <u> </u> | FAC | 2 - Dominance Test is >50% |
| 6. Crocosmia × crocosmitlora | F | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | · | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 86 | = Total Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 574) | 0.0 | The The | |
| 1. Hebera helix | 2 | HACU | Hydrophytic |
| 2. | | | Vegetation |
| | 2 | = Total Cover | Present? Yes <u>No</u> No |
| % Bare Ground in Herb Stratum | | _= Total Cover | |
| Remarks: | | w al l l | |
| VI I- Lease | | * Khodod | tendron not included in covor |
| 10 LITON DUBLICOMPNIACIOS | + Ho to | a holid nut | canted as dominates b/c there is 25% |
| LNON A. Olympic | | Tall X men a | Conver in the stration |

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Sampling Point: TP 43

| Profile Description: (Describe to the dept | th needed to document the indicator or confirm | the absence of indicators.) |
|--|---|---|
| Depth <u>Matrix</u> | Redox Features | |
| (inches) Color (moist) % | <u>Color (moist)</u> % <u>Type¹</u> Loc ² | Texture Remarks |
| 0-6 107K 2/2 100 | | 24 |
| 6-11 2.543/ 85 | 10YR 3/4 15 C PL | <u>JL</u> |
| 11-24 57 3/1. 85 | 5YR47.4 10 C PL | SL |
| 1 1 | 5YR3/3 5 C PL | 1 |
| | | |
| · | | |
| | | |
| | | |
| | | |
| | Reduced Matrix, CS=Covered or Coated Sand Gra | |
| Hydric Soil Indicators: (Applicable to all | LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) Other (Explain in Remarks) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) Depleted Matrix (F3) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) Thick Dark Surface (A12) | X Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | V |
| Depth (inches): | | Hydric Soil Present? Yes 🔼 No |
| Remarks: | | |
| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | t: check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one required</u> Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 38) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches): N/A Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| WETLAND DETERMINATION DATA FORM - | Western Mountains, Valleys, and Coast Region |
|---|---|
| Project/Site: Albee Stadium City/ | County: <u>Firela</u> Sampling Date: 9/17/20 |
| Applicant/Owner: Eureha City Schools | State; CA Sampling Point: TP 44 |
| Investigator(s): Sam Polly, Joseph Jale Section | on, Township, Range: NW4 Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): Hill 500 Loca | I relief (concave, convex, none): None Slope (%): |
| Subregion (LRR): A, MLKA - 45 Lat: 40. | 88433° Long: -124. 155930° Datum: WG5 24 |
| Soil Map Unit Name: 212-Urban Land - Haltblutt-Red sond | S Complex, 0-5% NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? ١ | /es X No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly distu | rbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problem | atic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sam | npling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes X No | |
| Hydric Soil Present? Yes No | Is the Sampled Area |
| Wetland Hydrology Present? Yes No | within a Wetland? Yes <u>No</u> |
| Remarks: 5 CC mile in 42 | |

VEGETATION – Use scientific names of plants.

| 314 | Absolute Dominant Indicator | Dominance Test worksheet: |
|------------------------------------|--------------------------------|--|
| 1. A Dw rub Ca | <u>% Cover Species? Status</u> | Number of Dominant Species (A) |
| | | |
| | | Total Number of Dominant |
| 3, | | Species Across All Strata: (B) |
| 4 | 90 = Total Cover | Percent of Dominant Species OO 7. (A/B) |
| Sapling/Shrub Stratum (Plot size:) | 2 NL | Prevalence Index worksheet: |
| 1. Rhododadron cultiver | | Total % Cover of: Multiply by: |
| 2 | | OBL species x 1 = |
| 3 _{t.} | | FACW species x 2 = |
| 4 | | FAC species x 3 = |
| 5 | | FACU species x 4 = |
| Herb Stratum (Plot size: 5FF) | = Total Cover | UPL species x 5 = |
| 1. SCIENS MICHOROUS | 85 Nel | Column Totals: (A) (B) |
| | | |
| 2 Taraxbarm officinale | | Prevalence Index = B/A = |
| 3. Roningulus repers | - Fre- | Hydrophytic Vegetation Indicators: |
| 4. Equisition arverse | - To - TAC | X 1 - Rapid Test for Hydrophytic Vegetation |
| 5. CHECOSMIA X CROKOSMITTORA | ZTAU | 2 - Dominance Test is >50% |
| 6. Holcus phatus | | 3 - Prevalence Index is ≤3.0 ¹ |
| 78 | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | - | ¹ Indicators of hydric soil and wetland hydrology must |
| 5.C | 101 = Total Cover 50.5 | |
| Woody Vine Stratum (Plot size:) | - Total Cover 70.2 | |
| 1 | | Hydrophytic |
| 2 | | Vegetation |
| A C | = Total Cover | Present? Yes A No |
| % Bare Ground in Herb Stratum | | 22 |
| Remarks: Rhedoderdron not conted | s dominant on acco | aut of low cover and it |
| | for landscoping. | |
| US Army Corps of Engineers | • 5 | Western Mountains, Valleys, and Coast - Version 2.0 |

Sampling Point:

N

| per el entre sub materiale abort se tente de la contra de la c | h needed to document the indicator or confirm | the absence of indicators.) |
|---|---|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-16 10YR2/2 100 | //// | SMU |
| 16-24 + 10 VR 3/1 100 | //// | SL |
| | | |
| | | · · · · · · · · · · · · · · · · · · · |
| | | |
| | | |
| | | 10 |
| | | 5. |
| | | |
| | P | · |
| ¹ Type: C=Concentration, D=Depletion, RM= | Reduced Matrix, CS=Covered or Coated Sand G | rains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all I | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| X Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | N |
| Depth (inches): | | Hydric Soil Present? Yes X No |
| Remarks: | | |
| | | |
| | | |
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| ц | | |
| | | |
| HYDROLOGY | | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| | ; check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman Statement (Calculation) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) |
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| WETLAND DETERMINATION DA | TA FORM - | Western Mou | ntains, Valleys, and Coast Region |
|---|-----------------------------------|-----------------------------------|--|
| Project/Site: Albee Stadium | City/0 | County: Evel | 19/17/20 |
| Applicant/Owner: Eureha City School | 5 | | State: CA Sampling Point: TP 45 |
| Investigator(s): Josephale, Sam Polly | Secti | on, Township, Rar | nge: NW & Sec. 25, T4N, R1W, HBM |
| Landform (hillslope, terrace, etc.); Hillslope | | | convex, none): None Slope (%): 18 |
| Subregion (LRR): A, MLRA - 4B | Lat: 40.7 | 88247° | Long - 24.155974 Datum: WG584 |
| | | | Shoe NWI classification: Mone |
| Are climatic / hydrologic conditions on the site typical for this | | N | |
| Are Vegetation, Soil, or Hydrology s | | | Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology r | | | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | showing sar | npling point lo | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes N | lo 🗶 | | |
| Hydric Soil Present? Yes N | | Is the Sampled within a Wetlan | |
| Wetland Hydrology Present? Yes N | 212 | | |
| Remarks: On the of 5 ope break a | abore s | houths | use @ S. of track |
| | | | |
| VECETATION Llos opientific nemes of plan | | | |
| VEGETATION – Use scientific names of plan | | | |
| Tree Stratum (Plot size: 304) | AND Mean the true in the South of | minant Indicator acies? Status | Dominance Test worksheet: |
| 1. Seguria Segapervirens | 50 1 | NL | Number of Dominant Species (A) |
| 2. Ilek achitali un | | FACU | Total Number of Dominant 3 |
| 3. Pyrus Calleryana | 5 | NL | Species Across All Strata: (B) |
| 4 | | 305 | Percent of Dominant Species 731 |
| Sapling/Shrub Stratum (Plot size: 544) | <u>(5</u> = To | otal Cover | Percent of Dominant Species <u>33</u> /. (A/B) |
| 1. Rubus UNSIAUS | 4 | FACU | Prevalence Index worksheet: |
| 2 | | | Total % Cover of:Multiply by: |
| 3 | | | OBL species x 1 = |
| 4 | | | FACW species x 2 = |
| 5, | | | FAC species x 3 = |
| Line State Set | <u> </u> | otal Cover | FACU species x 4 = UPL species x 5 = |
| Herb Stratum (Plot size:) 1. Hypochallis, radicata | 15 | ENCL | Column Totals: (A) (B) |
| 2. Holcus anotus | 69 | FAC | |
| 3. Science Willick CARPUS | 15 | OBL | Prevalence Index = B/A = Hydrophytic Vegetation Indicators: |
| 4. Taraxa alun officinale | 1 | FACU | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | an harder | 2 - Dominance Test is >50% |
| 6 | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | 100 = To | tal Cover 50 | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum, (Plot size: 547) | | tal Cover 20 | |
| 1. Hedera helix | 18 1 | FACU | Hydrophytic |
| 2 | | | Vegetation |
| % Bare Ground in Herb Stratum | %= To | tal Cover 9 | Present? Yes No |
| Remarks: Deer trail | | N 7 1 | |
| * Rubus unsinus not ansidered | downart | ; less than | 5% cover |

US Army Corps of Engineers

Sampling Point: TP 45

| Profile Description: (Describe to the dep | th needed to document the indicator or confirm | the absence of indicators.) |
|--|---|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-5 10YR 3/2 100 | | SL Dese roots |
| 5-13 544/2 100 | | S |
| [3-2] 5Y 4/3 100 | | 3 |
| 21-24+10VR 36 100 | | <u> </u> |
| 21-29+104270 100 | | |
| | | |
| | | |
| | | · · · · · · · · · · · · · · · · · · · |
| | | |
| | Participation Concerned on Constant Sand Co | raina ² l acation: Pl =Para Lining M-Matrix |
| Hydric Soil Indicators: (Applicable to all | Reduced Matrix, CS=Covered or Coated Sand Gi LRRs, unless otherwise noted.) | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histosol (A1) Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No X |
| Remarks: | | |
| Kemarka. | | |
| | | |
| | | |
| | | |
| | | - |
| HYDROLOGY | | |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| | d; check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: | d; check all that apply) Water-Stained Leaves (B9) (except | <u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman Statement (Contemportation) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rom Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rou Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A 58) B8) N () | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B) Field Observations: Surface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rom Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 To Other (Explain in Remarks) B8) No Depth (inches): N/A Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Bild Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 To Other (Explain in Remarks) B8) No Depth (inches): N/A Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 To Other (Explain in Remarks) B8) No No Depth (inches): No Depth (inches): Wet | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 To Other (Explain in Remarks) B8) No Depth (inches): N/A Depth (inches): N/A | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 To Other (Explain in Remarks) B8) No No Depth (inches): No Depth (inches): Wet | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 To Other (Explain in Remarks) B8) No No Depth (inches): No Depth (inches): Wet | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 To Other (Explain in Remarks) B8) No No Depth (inches): No Depth (inches): Wet | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 To Other (Explain in Remarks) B8) No No Depth (inches): No Depth (inches): Wet | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 To Other (Explain in Remarks) B8) No No Depth (inches): No Depth (inches): Wet | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |

| WEILAND DETERMINATION DA | ATA FORM - 1 | Western Mour | ntains, Valleys, and Coast Region |
|--|-----------------------------|--------------------------------|---|
| Project/Site: Albee Stadium | City/C | County: Fire | KA Sampling Date: |
| Applicant/Owner: Eurelia City Schools | 1 | | State; CA Sampling Point: TP46 |
| Investigator(s): Sam Polly, Joseph Siler | Section | on, Township, Ran | nge: NWY Sec. 25, THN, RIW, HBM |
| Landform (hillslope, terrace, etc.): Millslope | Loca | I relief (concave, c | convex, none): None Slope (%): 20 |
| Subregion (LRR): A, MLRA - 4B | Lat: 40.7 | 88227 | Long: -124. 155927 Datum: WES 8 |
| Soil Map Unit Name: 257 - Lepoil - Cond | Mtn. Com | plex 2-15, | 1. She NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for thi | is time of year? | es X No | (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrologys | significantly distur | bed? Are "N | Normal Circumstances" present? Yes 🔼 No |
| Are Vegetation, Soil, or Hydrology r | naturally problem: | atic? (If nee | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | showing sam | npling point lo | ocations, transects, important features, etc. |
| | No | | |
| | | Is the Sampled within a Wetlan | V |
| | 11.0 | (Line Ca | Change have |
| -7 commin from 11 | ز ہی رد ا | rope trou | n Shower house |
| | | | |
| VEGETATION – Use scientific names of plan | | | |
| Tree Stratum (Plot size: 304+) | Absolute Don % Cover Spe | ninant Indicator | Dominance Test worksheet: |
| 1. Elex ggwflum | 5 | FACH | Number of Dominant Species (A) |
| 2. SCALON SCAPEVICES | 30 1 | / NL | Total Number of Dominant 7 |
| 3. Pyrus caleriana | 3 | NL | Species Across All Strata: |
| 4 | 28 | | Percent of Dominant Species 57 -7 |
| Sapling/Shrub Stratum (Plot size: 54) | = To | tal Cover 19 | That Are OBL, FACW, or FAC: (A/B) |
| 1. RUBUS Grshus | 3_1 | FACU | Prevalence Index worksheet: |
| 2. Rubus armeniacus | 2 1 | FAC | Total % Cover of:Multiply by: |
| 3. Rubus spectibilis | | Z FAC | OBL species x 1 = FACW species x 2 = |
| 4 | | | FAC species x 3 = |
| 5 | | <u> </u> | FACU species x 4 = |
| Herb Stratum (Plot size: 547) | = 10 | tal Cover | UPL species x 5 = |
| 1.Equisetum talmateg | 46 1 | FACW | Column Totals: (A) (B) |
| 2. SCICAUS WILLOCAPAI | - 51 - | GBL | Prevalence Index = B/A = |
| 3. Athyrium felix femma | - 14 | - TAC | Hydrophytic Vegetation Indicators: |
| 4. Sincus ettiss | - <u>h</u> | + ACM | 1 - Rapid Test for Hydrophytic Vegetation |
| 5 | | | 2 - Dominance Test is >50% |
| 6 7 | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 8 | | | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | Erc | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 54+) | = Tot | al Cover 226 | be present, unless disturbed or problematic. |
| 1. Medera helix | 22 V | FACU | dhadaa ahadia |
| 2 | | | Hydrophytic Vegetation |
| X | 22 = Tot | al Cover | Present? Yes No |
| % Bare Ground in Herb Stratum | | | |
| Remarks: | | | |
| | | | * |

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Sampling Point: TP 46

| Profile Description: (Describe to the dep | th needed to document the indicator or confirm | the absence of indicators.) |
|---|--|--|
| Depth <u>Matrix</u> | Redox Features |)_/ W 22 2 |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-11 7.5 VR 2.5/2 100 | | SL High root contest |
| [-13 2.5y 3/3 00 | | SL J |
| 13-24 OVR 4/4 100 | /./// | S |
| 24-30+ 2.514/3 | INYR 3/ | 15 |
| | | |
| | | ······································ |
| | | |
| · | | |
| | | |
| | =Reduced Matrix, CS=Covered or Coated Sand Gra | |
| Hydric Soil Indicators: (Applicable to all | LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Thick Dark Surface (A12) Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Living Root | |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled Soils (C6) | · |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1) (LRR A) | |
| Inundation Visible on Aerial Imagery (| | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Surface | (88) | |
| Field Observations: | X - I N/N | |
| Surface Water Present? Yes | | |
| Marker Table Descention Mark | | |
| Water Table Present? Yes | No Depth (inches):A | |
| Saturation Present? Yes | No Depth (inches):A | and Hydrology Present? Yes No X |
| Saturation Present? Yes (includes capillary fringe) | No Depth (inches):A | |
| Saturation Present? Yes (includes capillary fringe) | No Depth (inches): N/A No Depth (inches): 13 in Wetla | |
| Saturation Present? Yes (includes capillary fringe) | No Depth (inches): N/A No Depth (inches): 13 in Wetla | |
| Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m | No Depth (inches): N/A No Depth (inches): 13 in Wetla | |
| Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m | No Depth (inches): N/A No Depth (inches): 13 in Wetla | |
| Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m | No Depth (inches): N/A No Depth (inches): 13 in Wetla | |
| Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m | No Depth (inches): N/A No Depth (inches): 13 in Wetla | |

| WETLAND DETERMINATION DATA FORM - | Western Mountains, Valleys, and Coast Region |
|---|---|
| Project/Site: Abee Stadium City/ | County: Eureka Sampling Date: 9/21/20 |
| Applicant/Owner: Lurcha City Schools | State; CA Sampling Point: TP 4 7 |
| Investigator(s): Joseph Saler, Som Pally Section | on, Township, Range: <u>NW4 Sec. 25, T4N, R1W, HBM</u> |
| | I relief (concave, convex, none): Nove Slope (%): 120 |
| Subregion (LRR): A MLRA - 4B Lat: 40.5 | 188227° Long: -124. 55912 Datum: W65 84 |
| Soil Map Unit Name: 257-Lepoil-Condy Mtn. Con | plex, 2-15 / Show NWI classification: None |
| 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 distu | rbed? Are "Normal Circumstances" present? Yes No |
| Are Vegetation, Soil or Hydrology naturally problem | |
| SUMMARY OF FINDINGS – Attach site map showing sar | npling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No | |
| Hydric Soil Present? Yes No | Is the Sampled Area |
| Wetland Hydrology Present? Yes X No | within a Wetland? Yes No |
| Remarks: 18 in east at +P 46 | |
| VEGETATION – Use scientific names of plants. | |

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| Tree Stratum (Plot size: 30FF) | Absolute Dominant Indicator | Dominance Test worksheet: |
|------------------------------------|--------------------------------|---|
| | <u>% Cover</u> Species? Status | Number of Dominant Species |
| 1. I et a quito um | 3 FACU | That Are OBL, FACW, or FAC: |
| 2. Sequeity sempervires, | 25 - NL | |
| 3. Prnis callervana | 3 | Total Number of Dominant |
| S. FXILD Calley Wild | | Species Across All Strata: |
| 4 | | Percent of Dominant Species |
| 564 | | That Are OBL, FACW, or FAC: $2/7$ (A/B) |
| Sapling/Shrub Stratum (Plot size:) | 3 1 000 | Prevalence Index worksheet: |
| 1. Rubus institus | FACU | Total % Cover of: Multiply by: |
| 2. RUBU ambiaan | FAC | OBL species x 1 = |
| 3. Rubus Spectabilits | 4 V FAC | FACW species x 2 = |
| 4 | | |
| 5 | | FAC species x 3 = |
| 54 | = Total Cover 55 | FACU species x 4 = |
| Herb Stratum (Plot size | | UPL species x 5 = |
| 1. Edwsehun telmateja | 46 MACW | Column Totals: (A) (B) |
| 2. SOMUS Micro Corpus | 51 V OBL | Prevalence Index = B/A = |
| 3. Alexandratily -taking | 17 FAC | Hydrophytic Vegetation Indicators: |
| 4. SWICHS EFFLORIS | 4 ENCIN | |
| | | 1 - Rapid Test for Hydrophytic Vegetation |
| | | 2 - Dominance Test is >50% |
| 6 _N | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| EL | 13 = Total Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 00.0 | |
| 1. Hedera hedix | 22 FACY | Hydrophytic |
| 2. | | Vegetation |
| | 12 = Total Cover | Present? Yes A No |
| % Bare Ground in Herb Stratum | | |
| Remarks: | | |
| | | |
| | | |
| | | 4 |

SOIL

Sampling Point: TP 47

| Profile Description: (Describe to the depth needed to document the indicator or confirm t | the absence of indicators.) |
|--|---|
| Depth Matrix Redox Features | |
| (inches) Color (moist) % Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-4 10YR3/2 100 /// | 54 |
| 1-12 IDVR3/3 100 / / / | 3L |
| 1-74+10482/7 CO 2544/1 40 D M | <u> </u> |
| 1621 10 10 13 00 C. 1 11 - 10 P II - | <u> </u> |
| | |
| | |
| | |
| | |
| | · |
| | 2 |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grain | ins. 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) | 2 cm Muck (A10) |
| Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) | Red Parent Material (TF2) Very Shallow Dark Surface (TF12) |
| Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) Depleted Matrix (F3) | |
| Thick Dark Surface (A12) Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | |
| Туре: | \checkmark |
| Depth (inches): | Hydric Soil Present? Yes <u>No</u> No |
| Remarks: | |
| Possitive A-A-D reaction @ 5in | |
| | |
| | |
| | |
| | |
| HYDROLOGY | |
| Wetland Hydrology Indicators: | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roots Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Field Observations: Yes Surface Water Present? Yes Water Table Present? Yes Yes No Depth (inches): IQ M | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| WETLAND DETERMINATION DATA FO | RM – Western Mountains, Valleys, and Coast Region |
|---|---|
| Project/Site: Albee Stadium | City/County: Eureka Sampling Date: 9/21/20 |
| Applicant/Owner: Euceka City Schools Investigator(s): Sam Polly, Josephsaler | State: <u>CA</u> Sampling Point: <u>7 P 4 8</u> Section, Township, Range: <u>NW 4 Sec. 25</u> , <u>74N</u> , <u>R1W</u> , <u>HBM</u> |
| | Local relief (concave, convex, none): No. Slope (%). 100/. 10.788212° Long: -124. 155889° Datum: WGS 84 Complex 2-15/. Slope NWI classification: No. P.C. |
| Are climatic / hydrologic conditions on the site typical for this time of | |
| Are Vegetation, Soil, or Hydrology significant | X |
| Are Vegetation, Soil, or Hydrology naturally p | |
| | ng sampling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes X No | |
| Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No | Is the Sampled Area |
| 10.5 ft east of TP 47 | |
| VEGETATION – Use scientific names of plants. | |
| Tree Stratum (Plot size:) Absolut % Cover 1. | te Dominant Indicator or Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2 | Total Number of Dominant Species Across All Strata: |
| 4 | = Total Cover Percent of Dominant Species 100 % (A/B) |
| 1. Rubus armeniacus 15 2. Rubus Unsinus 3 | FAC Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 = |
| 3, | FACW species x 2 = |
| 4 5. | FAC species x 3 = |
| 567 18 | = Total Cover |
| Herb Stratum (Plot size: 5ft) 1. Scirpus migro carpus 50 | UPL species x 5 = OBL Column Totals: (A) (B) |
| 2. Equisation televistera 40 3. Attación tilix-temina 5 | Prevalence Index = B/A = |
| 4 Holcus lanatus, 1 | Hydrophytic Vegetation Indicators: I - Rapid Test for Hydrophytic Vegetation |
| 5. Stachys, ajugaidos 3 | 2 - Dominance Test is >50% |
| 6. Kanunkulue Appens 1 | - $ -$ |
| 7 | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 9 | |
| 10 | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 547) | _= Total Cover 55 FACM Hydrophytic |
| 2 | Vegetation |
| % Bare Ground in Herb Stratum | = Total Cover |
| Remarks: Hedra Jelix not considered down | inant 25% over in stratum |

| SOIL | _ |
|------|---|
|------|---|

Sampling Point: TP48

| Profile Description: (Describe to the de | pth needed to document the indicator or confirm | the absence of indicators.) |
|--|---|---|
| Depth Matrix | Redox Features | |
| (inches) Color (moist), % | <u>Color (moist)</u> <u>%</u> <u>Type</u> ¹ <u>Loc</u> ² | Texture Remarks |
| 0-3 10YR2/1 100 | | _ |
| 3-13 10YR 2/2 100 | | |
| 13-15 56 42.5/100 | / / | SL |
| 15-16 2.544/3 65 | NS/ IS D M | SCL |
| 1210 2 1/2 | SUPHKIN CPI | |
| ······································ | TOVO E/2 IN C M | |
| V 011. 1010 210 7= | 101 2/2 10 0 11 | -ie |
| 16-24 104R 3/3 15 | 10 XK 3/6 25 C M | |
| | | |
| ¹ Type: C=Concentration, D=Depletion, RM | A=Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix |
| Hydric Soil Indicators: (Applicable to a | ll LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) Thick Dark Surface (A12) | Depleted Matrix (F3) Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | |
| Depth (inches): | · · · · | Hydric Soil Present? Yes 🔀 No |
| Remarks: | | |
| Positive AAD reaction | | / |
| Possive AND reaction | \sim | |
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| | l än | |
| Wetland Hydrology Indicators: | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) | Water-Stained Leaves (B9) (except | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo X Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required in the second sec | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo X Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo X Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|---|
| Project/Site: Albee Stadium City/County: Eurelia Sampling Date: 9/21/20 |
| Applicant/Owner: Eureha City Schools State: CA Sampling Point: TP 49 |
| Investigator(s): Sam Polly, Jack/LSaler Section, Township, Range: NW4 Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): 11115000 Local relief (concave, convex, none): None Slope (%): 25 |
| Subregion (LRR): A, MLRA - 48 Lat: 40.788117 Long: -124. 155783* Datum: WG584 |
| Soil Map Unit Name: 257-Lepoil-Condy Mtn. Complex 2-151. Shops NWI classification: Mone |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |

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

VEGETATION – Use scientific names of plants.

| 20[] | Absolute Dominant Indicator | Dominance Test worksheet: |
|---------------------------------------|-----------------------------|---|
| Tree Stratum (Plot size:)0+1) | % Cover Species? Status | |
| 1. Alous rubra | 75 | Number of Dominant Species 2 |
| | 1) V TAC | That Are OBL, FACW, or FAC: (A) |
| 2. Seguisia sempervirens | ID NL | Table Internet Device at 1 |
| 3. | | Total Number of Dominant |
| 3 | | Species Across All Strata: (B) |
| 4 | | Percent of Dominant Species |
| | = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B) |
| Sapling/Shrub Stratum (Plot size: 54) | | |
| 1. Rubus Ubsigur | 70 V FMI | Prevalence Index worksheet: |
| Prove Magillo | ACU | Total % Cover of: Multiply by: |
| 2 | | |
| 3 | | OBL species x 1 = |
| | | FACW species x 2 = |
| 4 | | FAC species x 3 = |
| 5 | 2 2 | FACU species x 4 = |
| 54 | 10 = Total Cover | UPL species x 5 = |
| Herb Stratum (Plot size:) | 10 | |
| 1 Athyrium till - fennal | 10 FAC | Column Totals: (A) (B) |
| 2. Equisition telepatera | 70 V them | Prevalence Index = B/A = |
| 3. Crocosma × crocosmitlara | 10 FAC | Hydrophytic Vegetation Indicators: |
| 4. Scirpus Microcarpus | 3 061 | |
| | 1 30 | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Holdys Ignatus | | 2 - Dominance Test is >50% |
| 6. Agrostis Stalonitera | <u>5</u> FAC | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | data in Remarks or on a separate sheet) |
| | | 5 - Wetland Non-Vascular Plants ¹ |
| 9 | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10 | | |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| \sim | 09 = Total Cover 545 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 57+) | 21.8 | |
| 1. Hedera helix | 20 FACIL | |
| Theorem welly | | Hydrophytic 🔨 |
| 2 | | Vegetation |
| \sim | 20 = Total Cover | Present? Yes No |
| % Bare Ground in Herb Stratum | | |
| Remarks: | | |
| | | |
| | | |
| | | |

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Sampling Point: TP 49

| Profile Description: (Describe to the dep | th needed to document the indicator or confirm | the absence of indicators.) |
|--|--|---|
| Depth Matrix | Redox Features | 2 Control (Control program - Machinetty) |
| (inches) Color (moist) % | Color (moist)%Ype ¹ Loc ² | Remarks |
| 0-2 10YR 3/2 100 | | <u> </u> |
| 2-12 1.54 3/3 25 | 10YR3/1 5 0 m | LS |
| | 10 YO2/6 TO C PL | |
| 12-24+ 104 4/1 85 | IOYRIG IS C PL | ŚCL |
| | | |
| | | |
| | | |
| | | |
| | | 2 DL Deve Lister MeMakin |
| Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to all | =Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| | | 2 cm Muck (A10) |
| Histosol (A1) Histic Epipedon (A2) | Sandy Redox (S5) Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | V |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | • |
| | | |
| | A | |
| | | |
| | | 31 |
| | | 31 |
| | | .11 |
| Wetland Hydrology Indicators: | | Constant in Forders (December 2011 |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Concave Surface) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): NA | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region | |
|---|------|
| Project/Site: Albee Stadium, City/County: Eureka Sampling Date: 9/21/2 | Ø |
| Applicant/Owner: Eureka City Schools State; CA Sampling Point: TP 50 | |
| Investigator(s): Joseph Saler, Jan Polly Section, Township, Range: NW4 Sec. 25, T4N, RIW, H | BM |
| Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): | S |
| Subregion (LRR): A, MLRA - 4B , Lat: 40.788136 Long: -124. 155774 Datum: WGS | 84 |
| Soil Map Unit Name: 257-Lepoil- Concy Mtn. Complex, 2-15% Slops NWI classification: None | IN M |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) | |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 📈 No | |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) | |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, e | tc. |
| Hydrophytic Vegetation Present? Yes No | |
| Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? Yes No No | |

| VEGETATION – Use scientific names of plants | VEGETATION – | Use scientific | names of | plants. |
|---|---------------------|-----------------------|----------|---------|
|---|---------------------|-----------------------|----------|---------|

Yes > No

Wetland Hydrology Present?

Remarks:

| Tree Stratum (Plot size: 20) % Cover Species? Status 1. Number of Dominant Species 2 (A) 2. Total Number of Dominant Species (A) 3. 4. (B) 4. (Plot size) 5(A) 3. (Plot size) 5(A) 4. (Plot size) 5(A) 3. (Plot size) 5(A) 3. (Plot size) 5(A) 4. (Plot size) 5(A) 5. (Plot size) 5(A) 6. (Plot size) 7(A) 7. (Plot size) 5(A) 7. (Plot size) 5(A) 8. (Plot size) 5(A) 9. (Plot size) 5(A) 1. (Plot size) 5(A) 2. (Plot size) 5(A) 3. (Plot size) 5(A) 4. (Plot size) 5(A) 5. (Plot size) 5(A) 6. (Plot size) 5(A) 7. (Plot size) 5(A) 8. | | | | Deminance Test werksheets |
|---|---|-------------|----------|---|
| 1. NUN TUDEX 92 That Are OBL, FACW, or FAC: 2 (A) 2. Total Number of Dominant Species Across All Strata: (B) 4. 92 = Total Cover Facure of Dominant Species Cover of Dominant Species Across All Strata: (B) 4. 92 = Total Cover 6 Prevalence Index worksheet: (A) 2. 3. 6 Pacure of Dominant Species Across All Strata: (B) 2. 6 Prevalence Index worksheet: (A) 2. 6 Pacure of Dominant Species Across All Strata: (B) 3. 9 7 11 10 4. 9 9 12 14 14 4. 9 14 14 14 14 1 10 10 14 14 14 14 1 10 14 14 14 14 14 14 1 10 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 <td>Free Stratum (Plot size: 27)</td> <td></td> <td></td> <td>Dominance Test worksheet:</td> | Free Stratum (Plot size: 27) | | | Dominance Test worksheet: |
| 2. 3. Total Number of Dominant Species 3. 4. 4. 4. 4. 4. 4. 3. 4. 5. 3. 6. 7. 4. 6. 7. 5. 7. 6. 4. 7. 7. 5. 7. 7. 6. 7. 7. 7. 7. 7. 7. 7. 7. 8. 7. 7. 9. 7. 7. 1. 10. 1. 1. 10. 1. 1. 10. 1. 1. 10. 1. 1. 10. 1. 1. 10. 1. 1. 10. 1. 1. 10. 1. 1. 10. 1. 1. 10. 1. 1. 10. 1. 1. 10. 1. 1. 10. 1. | No E OLDEA | J Species | | |
| 3. | AINASTADIA | LV | _ TAC | That Are OBL, FACW, or FAC: (A) |
| 3. | 2. | | | |
| 4. | | | | |
| Sapling/Shrub Stratum (Plot size: 54) 42 = Total Cover Frevalence Index worksheet: 1. Cover of: Multiply by: 2. Cover of: Multiply by: 3. Cover of: Multiply by: 4. Cover of: Multiply by: 5. Cover of: Multiply by: 6. Cover of: Multiply by: 7. Cover of: Multiply by: 8. Cover of: Multiply by: 9. Cover of: Multiply by: 1. Multiply by: Cover of: Multiply by: 1. Cover of: Multiply by: Cover of: 7. Cover of: Multiply by: Cover of: 1. Multiply by: Cover of: Multiply by: 2. Cover of: Cover of: Multiply by: 2. Cover of: Cover of: Multiply by: 3. Fact species A S 4. Multiply by: Cover of: Cover of: 5. Cirtum microl occuver S Cover 6. Mul | | | | Species Across All Strata: |
| Sapinor/Shrub Stratum (Plot size: 544) 6 FACU FACU FACU FACU Prevalence Index worksheet: 1 Subus ut sinus 6 FACU FACU Subus worksheet: Total % Cover of: Multiply by: 3 Sampling/Shrub Stratum Plot size: 541 Sampling/Shrub Stratum Y | | | | Percent of Dominant Species |
| Saping/Shrub Stratum (Plot size: | FC. 41 | L = Total (| Cover | That Are OBL FACW or FAC: 7V/ (A/B) |
| 1. Kubby of Singers S Y FACU 2. | Sapling/Shrub Stratum (Plot size: 544) | - | 0 | |
| 2. | Rubus utsinus E | | HACU | AND DEVELOPED IN TRACTORING IN |
| 3. | | | - intert | Total % Cover of: Multiply by: |
| 3. | | | | OBL species 13 x 1 = 13 |
| Final Stratum (Plot size: 511) FAC species 70 $x3 = 210$ Herb Stratum (Plot size: 511) FAC species $x4 = 9$ 1. SUMCUS (HUSUS) Hu FAC species $x5 =$ 2. ChuSchwr, Humatia Hu FAC species $x5 =$ 3. Attyrnum (Plot size: 511) Hu FAC species $x5 =$ 3. Attyrnum (Plot size: 511) Hu FAC species $x5 =$ 4. Stack VS (a) udgides FAC (A) (Hu) Hu Hu 5. Chum (hucus) FAC (A) (Hu) Hu Hu 6. Hold (L) (AndW) FAC (A) (Hu) FAC (A) (Hu) Hu 7. (recessing (A) (Hu) FAC (A) (Hu) FAC (A) (Hu) FAC (A) (Hu) 8. (a) (L) (AndW) Hu FAC (A) (Hu) FAC (A) (Hu) FAC (A) (Hu) 9. FAC (A) (Hu) 9. FAC (A) (Hu) FAC (A) (Hu) <td>·</td> <td></td> <td></td> <td></td> | · | | | |
| 5. | ł | | - H20 | |
| Herb Stratum (Plot size: 541) 6 = Total Cover Herb Stratum (Plot size: 541) 4 ACW 1. SUNCUS Requests 4 ACW 2. Enuisetum reclimation 50 FACU species x5 = 3. Addy rium fills FACU FACU Prevalence Index = B/A = 2.59 3. Addy rium fills FACU FACU Prevalence Index = B/A = 2.59 4. Stack vs. a manual stratum 10 12 0.81 14 FAC 5. Cirtw micred active 12 0.81 12 0.81 2.00 14 FAC 6. Hold cus Manual stratum 12 0.81 12 0.81 12 12 12 12 13 14 16 14 16 | | | | |
| Herb Stratum (Plot size: 51) 4 4 Accurate of the size: 51 x 5 = 435 (B) 1. SUNCUS Converting 4 Accurate of the size: 51 (A) 435 (B) 2. For use function 4 Accurate of the size: 51 (A) 435 (B) 2. For use function 12 Accurate of the size: 51 (A) 435 (B) 3. All y rives 12 Accurate of the size: 51 (A) 435 (B) 4. State yrives 12 Accurate of the size: 51 (A) 435 (B) 5. State yrives 12 Accurate of the size: 51 (A) 435 (B) 6. Hold the formation 12 Accurate of the size: 51 (A) 435 (B) 7. Creasing x crooper of the size: 51 14 Accurate of the size: 51 (A) 435 (B) 9. - - - - - - 10. - - - - - - - 10. - | | 6 | | FACU species 2 x 4 = 89 |
| 1. Statum () 4 ACW 1. Statum () All | Jorh Stratum (Plat aiza: 541) | | Cover | UPL species x 5 = |
| 2. Equiperative relation of the stratum of the s | | 1 | FAIN | |
| 3. Adv rium flix - fewra 20 FAC 4. Stack VS a wanter 12 0.00000000000000000000000000000000000 | | 0 ./ | - CACIA | |
| 4. Stdck vs. a useries 12 0.81 5. Crew increased with the stratum of the str | | v r | THOW | Prevalence Index = B/A = 2.04 |
| 4. StdcLyS a) useries 12 0.81 5. Crrw norrel equation 1 0.81 6. Hold W 3 FAC 7. Grocssnia x cro (osniflero) 4 FAC 8. Panucculus refus 1 FAC 9. 1 FAC 10. 1 FAC 11. 10. 1 11. 105 = Total Cover 5 Woody Vine Stratum (Plot size: 5H) 15 FAC 15 Total Cover 15 8. Bare Ground in Herb Stratum 15 = Total Cover | | | - + AC | Hydrophytic Vegetation Indicators: |
| 5. Criw microl addw 6. Holdwidth 7. Crocosniq x crocosnifiero 8. Control of the second se | stachys ajugaides | 2 | OBL | 1 - Rapid Test for Hydrophytic Vegetation |
| 6. Holcus Image: Sector Construction of the sector o | Science microtorous 1 | V. | OBL | |
| 7. Crockshid, X Crockshiftwork 8. Canuacius refus 9. | | | FAC | \mathbf{X}_{2} - Dominiance Index is ≤ 30.0 |
| 8. Panuaculus refus 1 FAC 9. 1 FAC data in Remarks or on a separate sheet) 9. - 5 - Wetland Non-Vascular Plants ¹ 10. - 5 - Wetland Non-Vascular Plants ¹ 11. - Foblematic Hydrophytic Vegetation ¹ (Explain) 11. - 105 = Total Cover 15 - FAC 16 - - 17 - FAC 18 - - 19 - - 105 = Total Cover - 19 - - 105 = Total Cover - 15 = Total Cover - 16 - - 17 - | Collesing y contactifica | L | FAC | ∠3 - Prevalence index is ≤3.0 |
| 9 | Downing XCI OUDAVITION | | - The | |
| 10. | Ranunculus replas | | TAC | |
| 10. | | | | 5 - Wetland Non-Vascular Plants ¹ |
| 11. 105 = Total Cover 1 1 105 = Total Cover 1 105 = Total Cover 1 1 | | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size: 5++) 105 = Total Cover 5++ be present, unless disturbed or problematic. 1. 105 = Total Cover 5++ 15 - 14000000000000000000000000000000000000 | | | 1 | ¹ Indicators of hydric soil and wetland hydrology must |
| Woody Vine Stratum (Plot size:) 15 FACU Hydrophytic 1. 15 = Total Cover Hydrophytic Vegetation % Bare Ground in Herb Stratum 15 = Total Cover Yes No | | E | 52.5 | |
| 1. < | | | over 21 | |
| 1. < | ryddy yme Stratum (Piot size:) | 2 1 | DAL | |
| % Bare Ground in Herb Stratum | Heoera helix | | TACU | Hydrophytic |
| % Bare Ground in Herb Stratum | 2. | | | Vegetation V |
| % Bare Ground in Herb Stratum | | = Total (| Cover | Present? Yes No |
| | % Bare Ground in Herb Stratum | | 00401 | |
| Remarks: | | | | |
| | terraine. | | | |
| | | | | |

Yes X No _

Sampling Point: TP 50

| Profile Description: (Describe to the d | epth needed to document the indicator of confirm | the absence of mulcators. |
|--|---|---|
| Depth <u>Matrix</u> | Redox Features | |
| (inches) Color (moist) % | Color (moist)%Type ¹ Loc ² | Texture Remarks |
| 0-2 10 YR 3/2 100 | | Mul |
| 3-24+5643/1 85 | 54R3/4 15 C PL | SL |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| ¹ Type: C=Concentration D=Depletion R | M=Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | X Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | 3 |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) Redox Depressions (F8) | wetland hydrology must be present, unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) Restrictive Layer (if present): | | |
| Type: | a | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| 1 - COND 20000 | | |
| Non Resitive AAD | @ yin ad 8in | |
| Weak KED IIVO MITID | ev 7 in allo an | |
| | | |
| | | |
| | | (|
| HYDROLOGY | | 1 |
| | | |
| Wetland Hydrology Indicators: | ired: check all that apoly) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requ | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinants) Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinants) Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requised on the second of | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Primary Indicators (minimum of one requinance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|---|
| Project/Site: Albee Stadium City/County: Eureka Sampling Date: 9/21/20 |
| Applicant/Owner: <u>Fureka</u> City, Schools State: <u>A</u> Sampling Point: [P5] |
| Investigator(s): San Poly, Dosep Saler Section, Township, Range: NW4 Sec. 25, T4N, R1W, HBM |
| Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 25 |
| Subregion (LRR): A, MLRA ~4B, Lat: 40.788273° Long: -124.155064 Datum: WGS 84 |
| Soil Map Unit Name: 257-Lepoil-Candy Mtn. Complex, 2-15% stops NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 🔀 No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |
| |

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

| 20.0. | Absolute Dominant Indicator | Dominance Test worksheet: |
|--|---|---|
| Tree Stratum (Plot size: 30 ft) | <u>% Cover</u> Species? Status | Number of Dominant Species |
| 1. INVIA DIIGNIA | 30 × FAC | That Are OBL, FACW, or FAC: (A) |
| 2. Punus calervana | 15 V NL | Total Number of Developed |
| 3. Algies grandis | 10 -FACU | Total Number of Dominant Species Across All Strata: |
| 4. Picea suitchensis | TO FAC. | |
| | 15 | Percent of Dominant Species 57% (A/B) |
| Sapling/Shrub Stratum (Plot size: 544) | $\underline{62}$ = Total Cover $\frac{323}{13}$ | That Are OBL, FACW, or FAC: |
| 1. Rubus ursinus | 15 FALL | Prevalence Index worksheet: |
| 2. Gaultheria Shallon | | Total % Cover of:Multiply by: |
| 3. Lowcera involucrata | 70 54 | OBL species x 1 = |
| 3 Concerca Invitation of a | | FACW species x 2 = |
| 4 | | FAC species x 3 = |
| 5 | 47 | FACU species x 4 = |
| Herb Stratum (Plot size: 547) | 97 = Total Cover 23.3 | UPL species x 5 = |
| 1. Struthiopteris spicant. | 20 V FAC | Column Totals: (A) (B) |
| 2. Aypochaeris, radicata | 2 FACU | Prevalence Index = B/A = |
| 3. Dacthis algorator | 7 FACU | Hydrophytic Vegetation Indicators: |
| 4. Stackys alugoides | 18 OBL | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Scirius, Midrarorow | 15 OBL | |
| 6 Equisering arrest | TAC P | X 2 - Dominance Test is >50% |
| | De Chaul | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Jonew ettisus | 28 FACW | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Maiarthening dilatatum | <u>3 +AC</u> | data in Remarks or on a separate sheet) |
| 9. Holous (motu) | 1 | 5 - Wetland Non-Vascular Plants ¹ |
| 10. Attrium filix-towna | 3 FAC | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 101 = Total Cover 50.5 | be present, unless disturbed or problematica |
| Woody Vine Stratum (Plot size:) | 101 101al 00101 20. L | |
| 1 | | Hydrophytic |
| 2. | | Vegetation |
| | = Total Cover | Present? Yes <u>No</u> No |
| % Bare Ground in Herb Stratum | - Total Cover | |
| Remarks: | | |
| | | |
| | | |

Sampling Point: 1951

| Profile Description: (Describe t | o the depth needed to do | cument the indicator of | or confirm | the absence of in | dicators.) |
|---|--|--|--|---|--|
| Depth Matrix | | edox Features | | | |
| (inches) Color (moist) | Color (moist) | <u>% Type¹</u> | _Loc ² | Texture | Remarks |
| 0-6 10 YR 2/1 | 100 | | | <u> </u> | |
| 6-10 10YR 3/1 | X0 2.5 ¥ 3/3 | 1,5 0 | M | h | |
| | 2.5YR2.5 | 15 C | PL | / | |
| 10- 15 INVR 3/1 | RO DEVIL | 1 15 0 | M | 1 | |
| 10 13 1011 11 | 00 60 71 | | 01 | <u> </u> | |
| E ALL A ELIAN | 1.71.7/ | 120 | FL. | | |
| 15-2412.543/1 | 82 10 YR3/3 | D C | <u></u> | 5 | |
| • · · · · | | | | | |
| | | | | | |
| ¹ Type: C=Concentration, D=Depl | etion. RM=Reduced Matrix. | CS=Covered or Coate | d Sand Gra | ins. ² Location | : PL=Pore Lining, M=Matrix, |
| Hydric Soil Indicators: (Applica | | | | | r Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redo | | | 2 cm Mu | ck (A10) |
| Histic Epipedon (A2) | Stripped Ma | | | | ent Material (TF2) |
| Black Histic (A3) | Loamy Mucl | y Mineral (F1) (except | MLRA 1) | Very Sha | llow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gley | ed Matrix (F2) | | Other (Ex | plain in Remarks) |
| Depleted Below Dark Surface | | | | 2. | |
| Thick Dark Surface (A12) | X Redox Dark | | | | hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | | rk Surface (F7) | | | drology must be present, |
| Sandy Gleyed Matrix (S4) Restrictive Layer (if present): | Redox Depr | essions (F8) | | umess dis | turbed or problematic. |
| | | 1 m | | | |
| Type: | | | | Hydric Soil Pres | ent? Yes X No |
| Depth (inches): | | A., | | Hydric Soli Fres | |
| Remarks: | | | | | |
| | | | | | 14 |
| | | | | | |
| | | - M - H | | | |
| | | | | | |
| HYDROLOGY | | | | | 54 C |
| HYDROLOGY Wetland Hydrology Indicators: | | | | | |
| | ne required: check all that a | pply) | | Secondary | Indicators (2 or more required) |
| Wetland Hydrology Indicators: | | ρρίγ) Stained Leaves (B9) (e | xcept | | Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- | C.C.C.W | xcept | Water | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) | Water- MLI | Stained Leaves (B9) (e | xcept | Water- 4A, | Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) | Water- MLI Salt Cr | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) | xcept | Water- 4A, Draina | Stained Leaves (B9) (MLRA 1, 2, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Aquatio | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) | xcept | Water- 4 A , Draina Dry-Se | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Aquatio Hydrog | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) : Invertebrates (B13) | | Water 4A, Draina Dry-Se Satura | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) eason Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Aquatio Hydrog Oxidize | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) c Invertebrates (B13) en Sulfide Odor (C1) | Living Root | Water- 4A, Draina Dry-Se Satura s (C3) Geom | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Aquatio Hydrog Oxidize Preser | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) c Invertebrates (B13) een Sulfide Odor (C1) ed Rhizospheres along | Living Root | Water 4 A , Draina Dry-Se Satura s (C3) Geom Shallo | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) asson Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Aquatio Hydrog Oxidize Preser Recent | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) c Invertebrates (B13) en Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 | Living Root -) d Soils (C6) | Water- 4A, Draina Dry-Se Satura s (C3) Geom Shallo FAC-N | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water MLI Salt Cr Aquatio Hydrog Oxidize Preser Recent Stunter | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) : Invertebrates (B13) en Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 : Iron Reduction in Tiller | Living Root -) d Soils (C6) | Water 4A, Draina Dry-Se s (C3) Geom Shallo FAC-N Raised | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Aquatia Hydrog Oxidize Preser Receni Stunter magery (B7) | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) ten Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tilled d or Stressed Plants (D | Living Root -) d Soils (C6) | Water 4A, Draina Dry-Se s (C3) Geom Shallo FAC-N Raised | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Aquatia Hydrog Oxidize Preser Receni Stunter magery (B7) | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) ten Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tilled d or Stressed Plants (D | Living Root -) d Soils (C6) | Water 4A, Draina Dry-Se s (C3) Geom Shallo FAC-N Raised | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Aquatic Hydrog Oxidize Preser Recent Stunte magery (B7) | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) ten Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tilled d or Stressed Plants (D | Living Root -) d Soils (C6) | Water 4A, Draina Dry-Se s (C3) Geom Shallo FAC-N Raised | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Salt Cr Aquatio Hydrog Oxidize Oxidize Preser Recent Stuntee magery (B7) Other (Surface (B8) | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) en Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tilled d or Stressed Plants (D Explain in Remarks) | Living Root -) d Soils (C6) | Water 4A, Draina Dry-Se s (C3) Geom Shallo FAC-N Raised | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Salt Cr Aquation Hydrog Oxidize Preser Recent Stunter Stunter Sturface (B8) | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) invertebrates (B13) en Sulfide Odor (C1) ad Rhizospheres along ce of Reduced Iron (C4 i Iron Reduction in Tilled d or Stressed Plants (D Explain in Remarks) (inches): | Living Root I) d Soils (C6) 1) (L RR A) | Water 4A, Draina Dry-Se s (C3) Geom Shallo FAC-N Raised | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Salt Cr Aquation Oxidize Oxidize Preser Recent Recent Stunter Stunter Stunter Stunter Stunter No Depth No Depth No Depth | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) ten Sulfide Odor (C1) ad Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tiller d or Stressed Plants (D Explain in Remarks) (inches): N/A (inches): Cin | Living Root) d Soils (C6) 1) (LRR A) Wetla | → Water 4A, Draina Dry-Se Satura s (C3) → Geom → Shallo → FAC-N → Raised → Frost-I | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Salt Cr Aquation Oxidize Oxidize Preser Recent Recent Stunter Stunter Stunter Stunter Stunter No Depth No Depth No Depth | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) ten Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tiller d or Stressed Plants (D Explain in Remarks) (inches): N/A (inches): Cin | Living Root) d Soils (C6) 1) (LRR A) Wetla | → Water 4A, Draina Dry-Se Satura s (C3) → Geom → Shallo → FAC-N → Raised → Frost-I | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Salt Cr Aquation Oxidize Oxidize Preser Recent Recent Stunter Stunter Stunter Stunter Stunter No Depth No Depth No Depth | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) ten Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tiller d or Stressed Plants (D Explain in Remarks) (inches): N/A (inches): Cin | Living Root) d Soils (C6) 1) (LRR A) Wetla | → Water 4A, Draina Dry-Se Satura s (C3) → Geom → Shallo → FAC-N → Raised → Frost-I | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Salt Cr Aquation Oxidize Oxidize Preser Recent Recent Stunter Stunter Stunter Stunter Stunter No Depth No Depth No Depth | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) ten Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tiller d or Stressed Plants (D Explain in Remarks) (inches): N/A (inches): Cin | Living Root) d Soils (C6) 1) (LRR A) Wetla | → Water 4A, Draina Dry-Se Satura s (C3) → Geom → Shallo → FAC-N → Raised → Frost-I | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Salt Cr Aquation Oxidize Oxidize Preser Recent Recent Stunter Stunter Stunter Stunter Stunter No Depth No Depth No Depth | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) ten Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tiller d or Stressed Plants (D Explain in Remarks) (inches): N/A (inches): Cin | Living Root) d Soils (C6) 1) (LRR A) Wetla | → Water 4A, Draina Dry-Se Satura s (C3) → Geom → Shallo → FAC-N → Raised → Frost-I | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Salt Cr Aquation Oxidize Oxidize Preser Recent Recent Stunter Stunter Stunter Stunter Stunter No Depth No Depth No Depth | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) ten Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tiller d or Stressed Plants (D Explain in Remarks) (inches): N/A (inches): Cin | Living Root) d Soils (C6) 1) (LRR A) Wetla | → Water 4A, Draina Dry-Se Satura s (C3) → Geom → Shallo → FAC-N → Raised → Frost-I | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of or | Water- MLI Salt Cr Salt Cr Aquation Oxidize Oxidize Preser Recent Recent Stunter Stunter Stunter Stunter Stunter No Depth No Depth No Depth | Stained Leaves (B9) (e RA 1, 2, 4A, and 4B) ust (B11) Invertebrates (B13) ten Sulfide Odor (C1) ed Rhizospheres along ce of Reduced Iron (C4 Iron Reduction in Tiller d or Stressed Plants (D Explain in Remarks) (inches): N/A (inches): Cin | Living Root) d Soils (C6) 1) (LRR A) Wetla | → Water 4A, Draina Dry-Se Satura s (C3) → Geom → Shallo → FAC-N → Raised → Frost-I | Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) bason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7) |

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

| Project/Site: Albee Stadiym | City/County: Eureha | Sampling Date: |
|--|--------------------------------------|---------------------------------------|
| Applicant/Owner: Eureka City Schools | Stat | |
| Investigator(s): Joseph Saler, Sam Polly | Section, Township, Range: MW | 4 Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): | _ Local relief (concave, convex, nor | ne): NAR Slope (%): 12_ |
| Subregion (LRR): A MLKA - 4B Lat: 4 | 0.788379° Long: - | 124.155 00° Datum: WG584 |
| Soil Map Unit Name: 212-Urban and -Hatbluff-Red | Sands Complex 0-5% | NWI classification: |
| Are climatic / hydrologic conditions on the site typical for this time of ye | | o, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly | y disturbed? Are "Normal Cir | cumstances" present? Yes X_ No |
| Are Vegetation, Soil, or Hydrology naturally pr | oblematic? (If needed, expla | ain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing | g sampling point locations | , transects, important features, etc. |

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

VEGETATION – Use scientific names of plants.

| 20(1 | Absolute | Dominant Indicator | Dominance Test worksheet: |
|--|----------|---------------------------------------|--|
| Tree Stratum (Plot size: 30 H | | Species? Status | Number of Dominant Species 1 |
| 1. Pseudotsuga Menziesii | 35 | FACY | That Are OBL, FACW, or FAC |
| 2 | | | |
| | | | Total Number of Dominant |
| 3 | | () | Species Across All Strata: (B) |
| 4 | - 25 | | Percent of Dominant Species 501 |
| the sentence as low as | 22 | _ = Total Cover | That Are OBL, FACW, or FAC: |
| Sapling/Shrub Stratum (Plot size: 544) | 1 | | Prevalence Index worksheet: |
| 1. Rubus Ursinus | | FACU | Total % Cover of: Multiply by: |
| 2 | | · | OBL species x 1 = |
| 3 | | · | FACW species x 2 = |
| 4 | | · | FAC species x 3 = |
| 5 | | | FACU species x 4 = |
| Herb Stratum (Plot size: 554) | <u> </u> | _ = Total Cover | UPL species x 5 = |
| 1. Agrostis Stolonifera | 55 | FAC | Column Totals: (A) (B) |
| 2. SCITOUS NICLOCAR, DW. | 10 | DRI | |
| | - 12 | | Prevalence Index = B/A = |
| 3. Hypodlapris radicata | 14 | - TAUM | Hydrophytic Vegetation Indicators: |
| 4. Althoxarthum, Gdoratum | 5 | TACU | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Plantago lanceolata | 9 | HACU | 2 - Dominance Test is >50% |
| 6. Juncis efficiens | 3 | FACW | 3 - Prevalence Index is $\leq 3.0^1$ |
| 7. Dactulis alomerata | Q | Dill | |
| | 10 | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8. Cirsing Vulgare | - | TACH | |
| 9. Ranuculius repers | 1 | FAC | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. | 8 | | ¹ Indicators of hydric soil and wetland hydrology must |
| | TAIL | = Total Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | IVT | = Total Cover 20.8 | |
| | | | |
| 1 | | | Hydrophytic |
| 2 | | · · · · · · · · · · · · · · · · · · · | Vegetation Present? Yes No |
| α | 1 | = Total Cover | Present? Yes No |
| % Bare Ground in Herb Stratum | | | |
| Remarks: | | | |
| regation howed. | | 1.1 | |
| * Rubus misinus not conserve 25, | % in . | stratun | |
| The second should be | | | |

US Army Corps of Engineers

| SOIL | | | Sampling Point: TP 52 |
|--|---|---|--|
| Profile Description: (Describe to | the depth needed to document the indicator of | r confirm the absence of ir | ndicators.) |
| Depth Matrix | Redox Features | | |
| (inches) Color (moist) | % Color (moist) % Type ¹ | Loc ² <u>Texture</u> | Remarks |
| 0-4 LOYK2/2 | 00 | <u> </u> | |
| 4-10 2.5V3/3 S | 5 5YR 3/3 15 C | PL 15 | |
| 10 20 2 54 3/2 | 10 5VP3/4 20 C | PL VGrSL | |
| 10-41 2 - 1 2 1 2 I | | HE HORSE - | |
| 20-24+2.54 3/2 | 10 77R317 10 C. | M LS | |
| | | | |
| | | | |
| | | | |
| · · · · · · · · · · · · · · · · · · · | | · | |
| | | | |
| | on, RM=Reduced Matrix, CS=Covered or Coated | | n: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicabl | e to all LRRs, unless otherwise noted.) | Indicators for | or Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | | ick (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | | ent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except I | | allow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (E | xplain in Remarks) |
| Depleted Below Dark Surface (/ | | 2 | |
| Thick Dark Surface (A12) | X Redox Dark Surface (F6) | | f hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | | ydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless dis | sturbed or problematic. |
| Restrictive Layer (if present): | | | |
| Туре: | | | × |
| Depth (inches): | | Hydric Soil Pre | sent? Yes 🔼 No |
| Remarks: | | \/ | 14 |
| | | | |
| IYDROLOGY Wetland Hydrology Indicators: | | | |
| | required, sheat, all that apply) | Secondar | y Indicators (2 or more required) |
| Primary Indicators (minimum of one | | M | |
| Surface Water (A1) | Water-Stained Leaves (B9) (ex | | r-Stained Leaves (B9) (MLRA 1, 2 |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | | , and 4B) |
| Saturation (A3) | Salt Crust (B11) | | age Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | | eason Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | Satur | ation Visible on Aerial Imagery (CS |
| Drift Deposits (B3) | Oxidized Rhizospheres along L | iving Roots (C3) Geom | orphic Position (D2) |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | | ow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled | Soils (C6) FAC- | Neutral Test (D5) |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1 |) (LRR A) Raise | d Ant Mounds (D6) (LRR A) |
| Inundation Visible on Aerial Ima | igery (B7) Other (Explain in Remarks) | Frost- | Heave Hummocks (D7) |
| Sparsely Vegetated Concave S | urface (B8) | | |
| Field Observations: | | | 14 |
| Surface Water Present? Yes | No X Depth (inches): MA | | |
| Water Table Present? Yes | | | |
| Saturation Present? Yes | | Wetland Hydrology Pr | esent? Yes No X |
| (includes capillary fringe) | No Deput (mones) | | |
| Describe Recorded Data (stream ga | auge, monitoring well, aerial photos, previous insp | pections), if available: | |
| | | | |
| Remarks: | | | |
| | | | |
| | | | |
| (Proc. | | | |
| 1-31 C | | | |

đh.

2

| WETLAND DETERMINATION DATA FORM – Western Mountains, Va | alleys, and Coast Region |
|---|------------------------------|
| Project/Site: Albee Stadium City/County: Eurella | Sampling Date: |
| Applicant/Owner: <u>FUPERA City Schools</u> State | |
| | Sec. 25, TYN, RIW, HBM |
| | e): None Slope (%): 30 |
| Subregion (LRR): A, MLRA - 4B Lat: 40.788386 Long: -1 | 24.155062 Datum: WG584 |
| Soil Map Unit Name: 257-Lepoil - Candy Mtn. Complex, 2-15% Slopes | NWI classification: Mon C |
| | , explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circ | umstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain | in any answers in Remarks.) |
| | |

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

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

| 30 (1. | Absolute | Dominant Indicator | Dominance Test worksheet: |
|---------------------------------------|------------------------------|--------------------|--|
| Tree Stratum (Plot size: 30 ft) | and the second second second | Species? Status | Number of Dominant Species 7 |
| 1. Predotsigg menzesi | 75 | - FACY | That Are OBL, FACW, or FAC: (A) |
| 2 | | | Total Number of Dominant |
| 3 | | | Species Across All Strata: |
| 4 | | | |
| 56 | 75 | = Total Cover | Percent of Dominant Species 50 % (A/B) |
| Sapling/Shrub Stratum (Plot size: 54) | 1 | C CV/II | Prevalence index worksheet: |
| 1. Rubus ursmus | <u> </u> | - then | Total % Cover of:Multiply by: |
| 2 | | | OBL species 25 x 1 = 25 |
| 3 | | ······· | FACW species 44 x 2 = 88 |
| 4 | | | FAC species 13 x 3 = 39 |
| 5 | | . <u> </u> | FACU species $96 \times 4 = 384$ |
| Herb Stratum (Plot size: 54-) | | = Total Cover | UPL species x 5 = |
| 1. JUNCUS OFFUSUS | 40 | 1 FACIN | Column Totals: 179 (A) 537 (B) |
| 2. SCIEDUS MICEDCUEDUS | 26 | V OBL | Prevalence Index = B/A = 3.00 |
| 3. Holeus langtus | 1 | FAC | Hydrophytic Vegetation Indicators: |
| 4. Equisetum talmatila | 2 | FACW | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Antho Xanthum od aratum | 1 | FACU | 2 - Dominance Test is >50% |
| 6. struthiopteris spicant | . 8 | FAC | \overline{X} 3 - Prevalence Index is $\leq 3.0^{1}$ |
| 7. Dactylis glomerata | 3 | FACU | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Athrow felix - feming | 1 | FAC | data in Remarks or on a separate sheet) |
| 9. Ranunculus repens | 3 | FAC | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. | | | Indicators of hydric soil and wetland hydrology must |
| | 97 | = Total Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 1.19 | 14.7 | |
| 1 | | | Hydrophytic , |
| 2 | | | Vegetation |
| 10% | | = Total Cover | Present? Yes No |
| % Bare Ground in Herb Stratum | ~ | | |
| Remarks: | | | |
| | | | |
| | | | |
| | | | |

SOIL

Sampling Point:

P53

1

| Profile Description: (Describe to the depth needed to document the indicator or confirm | the absence of indicators.) |
|---|--|
| Depth Matrix Redox Features | |
| (inches) Color (moist) % Color (moist) % Type Loc ² | Texture Remarks |
| 0-9 104R2/2 100 | SMU |
| 9-25 INR2/ 100 | My Bried Muck |
| 15-30+ 5V H/1 20 10V8 2/1 40 C M | LS Concertation is illuviated |
| | |
| | organic Matter |
| | V |
| | |
| | |
| | |
| | 21 11 12 12 12 14 14 14 |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) | |
| Histosol (A1) Sandy Redox (S5) | 2 cm Muck (A10) Red Parent Material (TF2) |
| Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) Depleted Matrix (F3) | |
| Thick Dark Surface (A12) Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| X Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | A |
| Туре: | |
| Depth (inches): | Hydric Soil Present? Yes 🔀 No |
| Remarks | |
| | |
| | |
| | |
| | |
| | 5 15 C 16 19 |
| HYDROLOGY | 4 |
| Wetland Hydrology Indicators: | 4 |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Satl Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Vry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Room | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roo Algal Mat or Crust (B4) Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roo Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roo Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6 Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Surface Water (A1) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Rood Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Field Observations: MAR | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Surface Water (A1) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) High Water Table (A2) Salt Crust (B11) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roo Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Surface Water (A1) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) High Water Table (A2) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roo Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Solis (C6 Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Depth (inches): Field Observations: Yes No Depth (inches): Water Table Present? Yes No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Surface Water (A1) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) High Water Table (A2) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roo Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Depth (inches): Field Observations: Yes No Saturation Present? Yes No Depth (inches): < | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Might Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roo Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6 Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Field Observations: Yes Surface Water Present? Yes Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Surface Water (A1) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) High Water Table (A2) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roo Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Depth (inches): Field Observations: Yes No Saturation Present? Yes No Depth (inches): < | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Surface Water (A1) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) High Water Table (A2) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roo Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Depth (inches): Field Observations: Yes No Saturation Present? Yes No Depth (inches): < | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) | |

| WETLAND DETER | MINATION DATA FORM | I – Western Mountains, V | alleys, and Coast | Region |
|---|--------------------------------------|------------------------------------|-------------------------|--------------------|
| Project/Site: Albee Stadiu | c c | ity/County: Eureha | Sampling | Date: 9/22/20 |
| Applicant/Owner: Eureka Gi | V Japobs | State | e; <u>(A</u> Sampling | Point: TP 54 |
| Investigator(s): Sam Polly, Jo | bephSaler s | ection, Township, Range: <u>MW</u> | 4 Sec. 25, T41 | V. RIW, HBM |
| Landform (hillslope, terrace, etc.): Hill | slope | ocal relief (concave, convex, nor | ne): Nor | Siope (%): 20 |
| Subregion (LRR): A, MLRA -4 | β Lat: 40. | | 24.154993 | Datum: WGS 84 |
| Soil Map Unit Name: 257-L | epoil - Candy Mtn. (| Complex, 2-15% 56ps | NWI classification: | rone |
| Are climatic / hydrologic conditions on the | e site typical for this time of year | 1 Ibr | o, explain in Remarks.) | E 21 |
| Are Vegetation, Soil, or H | ydrology significantly d | isturbed? Are "Normal Cire | cumstances" present? | Yes <u> </u> |
| Are Vegetation, Soil, or H | ydrology naturally prob | lematic? (If needed, expla | ain any answers in Rema | arks.) |
| SUMMARY OF FINDINGS - At | tach site map showing s | sampling point locations | , transects, import | ant features, etc. |
| Hydrophytic Vegetation Present? | Yes 🔀 No | 5 | | |
| Hydric Soil Present? | Yes 🔀 No | Is the Sampled Area | X | |
| Wetland Hydrology Present? | Yes 🔼 No | within a Wetland? | Yes <u>No</u> No | |
| Remarks | | 17 | | |
| | | | | |

| 260 | Absolute | Dominant Indicator | Dominance Test worksheet: |
|---|-----------|--------------------|---|
| Tree Stratum (Plot size: 30 ft) 1. Sequera JEM PERVITENS | % Cover | Species? Status | Number of Dominant Species (A) |
| 2. Alous rubra 3. Thuja plicata | 10 | FAC | Total Number of Dominant Species Across All Strata:5(B) |
| 4 Sapling/Shrub Stratum (Plot size: 544) | 40 | = Total Cover | Percent of Dominant Species A C (A/B) |
| 1. Rubus instalis | 1 | FACU | Prevalence Index worksheet: |
| | | | Total % Cover of: Multiply by: |
| 2 | | | OBL species x 1 = |
| 3 | | | FACW species x 2 = |
| 4 | | | FAC species x 3 = |
| 5 | | | FACU species x 4 = |
| Herb Stratum (Plot size: 54) | 1 | = Total Cover | UPL species x 5 = |
| 1. SCIEDN INCLOCOLIEND | 50 | V OBL | Column Totals: (A) (B) |
| 2. Hypochaeris radicata | 14 | FACM | Prevalence Index = B/A = |
| 3. Anthoxathum adoration | <u>IU</u> | - FACY | Hydrophytic Vegetation Indicators: |
| 4 Equisition priveore | 25 | V HAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. HBICUS JAPATUS | 4 | FAC | X 2 - Dominance Test is >50% |
| 6. Juncur effusio | 5 | - tacw | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Crocosmia & Crocosmiflara | 5 | - AC | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | | · | 5 - Wetland Non-Vascular Plants ¹ |
| 9 | | | |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11, | 414 | F. 8 | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 14-4 | = Total Cover | |
| 1 | | | Hydrophytic |
| 2 | | | Vegetation |
| % Bare Ground in Herb Stratum | - | = Total Cover | Present? Yes No |
| Remarks: | 1 1 | L.L. | a lack S' averia |
| Rubus usinus not consider | to di | awinant as J | toreis ion than showing in |
| | | | stratum. |

| OIL | | Sampling Point: |
|---|--|--|
| Profile Description: (Describe to the o | lepth needed to document the indicator or confirm | n the absence of indicators.) |
| Depth <u>Matrix</u> | Redox Features | 100 (March 100) |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-4 10 ye 2/1 100 | | |
| 4-20 10YR 4/1 75 | 54R3/4 20 C PL | SCL |
| | 1048414 5 C PL | / |
| 10-24+ 10V 4/1 75 | 15V213 15 (DT | 51 |
| | | |
| | 1071010 5 0 12 | <u>.</u> |
| | 1.572.41 5 C M | |
| | | |
| | | |
| Type: C=Concentration D=Depletion F | RM=Reduced Matrix, CS=Covered or Coated Sand G | rains. ² Location: PL=Pore Lining, M=Matrix. |
| lydric Soil Indicators: (Applicable to | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | | 2 |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) estrictive Layer (if present): | Redox Depressions (F8) | unless disturbed or problematic. |
| Type: | | |
| Depth (inches): | | |
| | | |
| Remarks: | | Hydric Soil Present? Yes <u>No</u> No |
| Remarks: | | Hyaric Soli Present? Yes <u>1</u> No |
| | | |
| Remarks: YDROLOGY Vetland Hydrology Indicators: | ired, check all that apply) | |
| Remarks: YDROLOGY Vetland Hydrology Indicators: | ired; check all that apply) Water-Stained Leaves (B9) (except | |
| temarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requ | | Secondary Indicators (2 or more required) |
| remarks: /DROLOGY Vetland Hydrology Indicators: Irimary Indicators (minimum of one requ Surface Water (A1) | Water-Stained Leaves (B9) (except | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one requ _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one requ _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one requestion Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one requ _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3) _ Algal Mat or Crust (B4) _ Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Scidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) | Secondary Indicators (2 or more required) |
| /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) | Secondary Indicators (2 or more required) |
| emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one request Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Cd Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Secondary Indicators (2 or more required) |
| emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one request _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3) _ Algal Mat or Crust (B4) _ Iron Deposits (B5) _ Surface Soil Cracks (B6) _ Inundation Visible on Aerial Imagery _ Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Cd Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) | Secondary Indicators (2 or more required) |
| Permarks: Perma | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) | Secondary Indicators (2 or more required) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestion) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): NA | Secondary Indicators (2 or more required) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one request Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Surface Water Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) | Secondary Indicators (2 or more required) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestion) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) e (B8) No Depth (inches): N/A Depth (inches): W/A Depth (inches): W/A Weth | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestion) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) e (B8) No Depth (inches): NA Depth (inches): NA | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestion) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) e (B8) No Depth (inches): N/A Depth (inches): W/A Depth (inches): W/A Weth | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requent on the second of | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) e (B8) No Depth (inches): N/A Depth (inches): W/A Depth (inches): W/A Weth | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requent on the second of | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) e (B8) No Depth (inches): N/A Depth (inches): W/A Depth (inches): W/A Weth | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |

| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region | | | | |
|--|------------------------------------|-----------------------------------|---------------------------------|--|
| Project/Site: Alber St adive | m City/C | ounty: Evela | Sampling Date: 9/22/20 | |
| Applicant/Owner: Eureha, City | · Schools | Statej | A Sampling Point: TP 55 | |
| Investigator(s): Jos() ale Sc | m Polly Section | on, Township, Range: <u>NWS S</u> | ec.25, T4N, RIW, HBM | |
| Landform (hillslope, terrace, etc.): | | relief (concave, convex, none): | Slope (%): 90 | |
| Subregion (LRR): A, MLRA-4B | Lat: 40.7 | | | |
| Soil Map Unit Name: 257-Lepoi | 1-CondyMtn. Complex | 2-15% 5/000 NWI | classification: <u>Mone</u> | |
| Are climatic / hydrologic conditions on the sit | e typical for this time of year? Y | es 🔼 No (If no, expl | ain in Remarks.) | |
| Are Vegetation, Soil, or Hydro | ology significantly distur | bed? Are "Normal Circumsta | ances" present? Yes X No | |
| Are Vegetation, Soil, or Hydro | ology naturally problema | atic? (If needed, explain any | answers in Remarks.) | |
| SUMMARY OF FINDINGS – Attac | h site map showing sam | pling point locations, tran | sects, important features, etc. | |
| Hydrophytic Vegetation Present? Y | 'es No | | N | |
| Hydric Soil Present? Y | 'es No | Is the Sampled Area | | |
| Wetland Hydrology Present? Y | ′es No <u>入</u> | within a Wetland? Ye | es No | |

Remarks:

| 3064 | Absolute | Dominant Indicator | Dominance Test worksheet: |
|---|------------|--------------------|---|
| Tree Stratum (Plot size: 30++) | % Cover | Species? Status | Number of Dominant Species |
| 1 Thuja plicata | 10 | FAC | That Are OBL, FACW, or FAC: (A) |
| 2. Anus Clubra | 3 | FAC | |
| 3. Cempthus thysitlenus | 6 | N/ NL | Total Number of Dominant Species Across All Strata: (B) |
| | | | |
| | 10 | 9.5 | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 544) | 1999 | = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| 1. Ruby using | 3 | V FACU | Prevalence Index worksheet: |
| | - <u> </u> | TACY | Total % Cover of: Multiply by: |
| 2. Cotoneaster Acteus | 2 | K NL | OBL species x 1 = |
| 3 | | | FACW species x 2 = |
| 4 | | | FAC species x 2 = |
| 5 | | | |
| C() | 8 | - Total Cover | FACU species x 4 = |
| Herb Stratum (Plot size:) | 10 | 1 041 | UPL species x 5 = |
| 1. Sciepus, Microcaryw | 10 | VUDL | Column Totals: (A) (B) |
| 2. Equisetum arvense. | 15 | V FAC | Prevalence Index = B/A = |
| 3. Ctocosmia x crocosmittora | 2 | FAC | Hydrophytic Vegetation Indicators: |
| 4. Agrostis Stolovitera, | 5 | FAC | |
| 5. Plantago, lancer ata | 4 | FACU | 1 - Rapid Test for Hydrophytic Vegetation |
| 6. Holaus anotur. | 10 | FAC | 2 - Dominance Test is >50% |
| | 17 | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Anthexathun oderstun | T | FACU | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Hypochaens, radicata | 20 | TACU | data in Remarks or on a separate sheet) |
| 9. Pestuca orundipacea | 2 | FAC | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| E cl | 18 | = Total Cover 34 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Flot size: 5ff) | 4 | | |
| 1 Hedera which | 4 | FACU | Hydrophytic |
| 2. | | | Vegetation |
| | 1 | = Total Cover | Present? Yes No X |
| % Bare Ground in Herb Stratum 22 | | Total Cover | |
| Remarks: | 1 . | | |
| Hedra Letix Not counter as | Nonli | Vat <5% i | wordy vine stratum |
| | | - 10 1 | |
| | | | |

| SOIL | | Sampling Point: TP 55 |
|--|--|--|
| Profile Description: (Describe to the de | epth needed to document the indicator or confirm | the absence of indicators.) |
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist)%Type1Loc2 | Texture Remarks |
| 0-9 10YR 3/2 100 | //// | SL till - Nixed rock + Charlos |
| 9-20 (OVR3/2 80 | / // / | CASL Burnt soil |
| 75403/2 15 | | |
| I AVOUT E | | a accord |
| A THE WILL 2 | | charcoal |
| 20-14 10YR5/1 85 | 104R3/4 10 C PL | SL |
| / / / | 10YR5/4 5 C M | |
| | | |
| | | 10 |
| | | |
| | M=Reduced Matrix, CS=Covered or Coated Sand Gra | |
| Hydric Soil Indicators: (Applicable to a | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) Hydrogen Sulfide (A4) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Depleted Below Dark Surface (A1) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | N |
| Depth (inches); | | Hydric Soil Present? Yes No X |
| Remarks | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one requi | red; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Living Root | |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled Soils (C6) | |

| Surface Soil Cracks (B6) | | Stunted or Stressed Plants (D1) (| LRR A) Raised Ant M | ounds (D6) (LRR A) |
|--|----------------------|--------------------------------------|----------------------------|--------------------|
| Inundation Visible on Aer | ial Imagery (B7) | Other (Explain in Remarks) | Frost-Heave I | Hummocks (D7) |
| Sparsely Vegetated Cond | ave Surface (B8) | | | |
| Field Observations: | V | | | |
| Surface Water Present? | Yes No 👗 | _ Depth (inches):A | | |
| Water Table Present? | Yes No 🔀 | _ Depth (inches): | | V |
| Saturation Present? (includes capillary fringe) | Yes No X | _ Depth (inches): _N/A | Wetland Hydrology Present? | Yes No |
| Describe Recorded Data (stre | am gauge, monitoring | well, aerial photos, previous inspec | ctions), if available: | |
| | | | | |
| Remarks: | | | | |
| | | | | |

| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|---|
| Project/Site: Albel stadim City/County: Eurela Sampling Date: 9/22/20 |
| Applicant/Owner: Eureha City Schools State; CA Sampling Point: TP 56 |
| Investigator(s): Som Poll y, Sport Aler Section, Township, Range: NW4 Sec. 25, T4N, RIW, HBM |
| Landform (hillslope, terrace, etc.): HISOPE Local relief (concave, convex, none): None Slope (%): 70 |
| Subregion (LRR): A. MLKA - 4B Lat: 40.788657 Long: -124, 155006, Datum: WES84 |
| Soil Map Unit Name: 257-Lepoil-Condy Mtn. Complex, 2-15% slopes NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 📈 No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No |

| Hydrophylic Vegetation Fresent? Hydric Soil Present? Wetland Hydrology Present? | Yes Yes | Is the Sampled Area within a Wetland? | Yes | No |
|---|------------|---------------------------------------|-----|----|
| Remarks: | | | | |

VEGETATION – Use scientific names of plants.

| 208 | Absolute | Dominant Indicator | Dominance Test worksheet: |
|--------------------------------------|----------|---------------------------------------|---|
| Tree Stratum (Plot size: 20 4) | % Cover | Species? Status | Number of Dominant Species |
| 1. Thujaplicata | 70 | FAC | That Are OBL, FACW, or FAC: (A) |
| | | | |
| 2 | | | Total Number of Dominant |
| 3 | | · <u> </u> | Species Across All Strata: (B) |
| 4 | | | EA-1 |
| 20 | 70 | = Total Cover | Percent of Dominant Species 507 |
| Sapling/Shrub Stratum (Plot size: 59 | A | | That Are OBL, FACW, or FAC: (A/B) |
| 1. Gaul theria Shallon | 1 | FACU | Prevalence Index worksheet: |
| 2. Rubus inraines | 1 | PACIA | Total % Cover of:Multiply by: |
| 3 Cotoneaster acteus | 1 | - FLU | OBL species x 1 = |
| 3 Churchada laciero | | | FACW species x 2 = |
| 4 | | · · · · · · · · · · · · · · · · · · · | FAC species x 3 = |
| 5 | | | FACU species x 4 = |
| Herb Stratum (Plot size: 5ff) | 1 | = Total Cover | UPL species x 5 = |
| 1. Anthoxanthum adoratum | 30 | I FACIL | Column Totals: (A) (B) |
| 2. Hypp chapris radicata | TO | May | |
| | · H | - thu | Prevalence Index = B/A = |
| 3. Daltylis glomerata | - 70- | TACY | Hydrophytic Vegetation Indicators: |
| 4. Agrostis Stolonifera | 20 | V TAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Delicpus microcarpus | <u> </u> | OBL | 2 - Dominance Test is >50% |
| 6. Equiset un arvense | 10 | FAC | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Vicia Sativa | 1 | WPL | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Holcus langtus | 5 | FAC | data in Remarks or on a separate sheet) |
| 9. stachys gjugoides var, rigin | 101 | OBL | 5 - Wetland Non-Vascular Plants ¹ |
| 10. Juncus effosus | 1 | FACW | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. pteridium aguilium | 5 | FACU | ¹ Indicators of hydric soil and wetland hydrology must |
| | 96 | = Total Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 544) | 10 | - Total Cover 74.2 | |
| 1. Hesera helix | 6 | FACU | Hydrophytic |
| 2. | | | Manatatian X |
| C 11 | 6 | = Total Cover | Present? Yes No X |
| % Bare Ground in Herb Stratum | 0 | | |
| Remarks: | | | |
| | | | |

48.5

| SOIL | .: | Sampling Point: TP 56 |
|---|--|--|
| Profile Description: (Describe to the dep | oth needed to document the indicator or confirm | the absence of indicators.) |
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-8 10×82/2 100 | //// | SL Roots abundant |
| S ALL DEVIDE INC | | SE Mars and Ball |
| 8-29-2543/2 100 | | brst till |
| | | |
| (<u> </u> | | |
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|) <u></u> | · · · · · · · · · · · · · · · · · · · | 2 <u></u> 22 |
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| · · · · · · · · · · · · · · · · · · · | | |
| | 1=Reduced Matrix, CS=Covered or Coated Sand Gr | |
| Hydric Soil Indicators: (Applicable to al | I LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| | | These disturbed of problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |

| Wetland Hydrology Indicators: | | |
|--|---|--|
| Primary Indicators (minimum of one required; che | ck all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | |
| Field Observations: | () (/) | |
| Surface Water Present? Yes No | Depth (inches): | |
| Water Table Present? Yes No | Depth (inches): | \mathbf{X} |
| Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitori | Depth'(inches): M/A Wetland Hy ng well, aerial photos, previous inspections), if availa | rdrology Present? Yes No |
| Remarks: | | |

| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region | | | | | |
|---|------------------------|-----------------------------------|--------------------------------|--|--|
| Project/Site: Albec 50-9 | divm | _ City/County: Eweka | Sampling Date: 9/22/20 | | |
| Applicant/Owner: Eureka C | ity Schools | | te: CA Sampling Point: TP 57 | | |
| Investigator(s): Som Polly, | Josep Jaler | Section, Township, Range: 📈 | 4 Sec. 25, THN, RIW, HBM | | |
| Landform (hillslope, terrace, etc.): | illslope | Local relief (concave, convex, no | 1 1 1 1 1 1 1 1 1 1 1 | | |
| Subregion (LRR): A. MLRA ~ | | 10.788694 Long: - | 124.155001 Datum: W6584 | | |
| Soil Map Unit Name: 257 - | Lepoil - Condy Mtr | . Complex, 2-15% shope | NWI classification: None | | |
| Are climatic / hydrologic conditions on | | year? Yes X No (If r | no, explain in Remarks.) | | |
| Are Vegetation, Soil, o | r Hydrology significar | tly disturbed? Are "Normal Ci | rcumstances" present? Yes 🔀 No | | |
| Are Vegetation, Soil, o | r Hydrology naturally | problematic? (If needed, exp | ain any answers in Remarks.) | | |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. | | | | | |
| Hydrophytic Vegetation Present? | Yes 🔀 No | | 14.5 E | | |
| Hydric Soil Present? | Yes 🔀 No | Is the Sampled Area | X | | |
| Wetland Hydrology Present? | Yes 🔀 No 🔜 | within a Wetland? | Yes No | | |

| L | | |
|---------------------|----------------------|------------|
| VEGETATION - | Use scientific names | of plants. |

Remarks:

| 12 (1 | Absolute Dominant Indicator | Dominance Test worksheet: |
|---------------------------------------|---------------------------------------|---|
| Tree Stratum (Plot size: 30 ++) | % Cover Species? Status | |
| 1. Thuja Dicata | 50 V FAC | Number of Dominant Species 3 |
| | | That Are OBL, FACW, or FAC: (A) |
| 2,) | · · · · · · · · · · · · · · · · · · · | Total Number of Dominant 7 |
| 3 | · · · · · · · · · · · · · · · · · · · | Species Across All Strata: |
| 4 | | a contract to all |
| | 50 = Total Cover | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 54) | | |
| 1. Rubus woinus | 2 FACU | Prevalence Index worksheet: |
| | | Total % Cover of: Multiply by: |
| 2 | | OBL species x 1 = |
| 3 | | FACW species x 2 = |
| 4 | · | FAC species x 3 = |
| 5 | <u> </u> | FACU species x 4 = |
| Herb Stratum (Plot size: 544) | = Total Cover | UPL species x 5 = |
| 1 Juncus etturus | 28 V FACW | Column Totals: (A) (B) |
| 2. Stach XS. alliggids | 3 OBL | |
| 3. Plantagio mago ata | 4 FACIL | Prevalence Index = B/A = |
| | 40 12 50 | Hydrophytic Vegetation Indicators: |
| | TO P THE | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Scipus, Microcorpus | <u> </u> | X 2 - Dominance Test is >50% |
| 6. Equisetum arvinge | 10 FAC | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Anthox athum, odocotin | 4 FACU | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Attrium Filix-toning | FAC | data in Remarks or on a separate sheet) |
| 9. Raningulus repas | 2 | 5 - Wetland Non-Vascular Plants ¹ |
| | J TAC | |
| 10. Dactris glamerata | 2 FACU | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. <u>/ J</u> | | ¹ Indicators of hydric soil and wetland hydrology must |
| / | 102 = Total Cover 5 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 102 = Total Cover | |
| 1 | | Hydrophytic |
| 2 | | Manadatian |
| (C) | = Total Cover | Present? Yes No |
| % Bare Ground in Herb Stratum | | |
| Remarks | | |
| Rybur unsinus Not conted as do | what 251 muser | la charbstratum |
| KAIDAN MUNICU ANA COM COL AND GOA | (m), - > /o mod | In Starte is a |
| | | |

SOIL

Sampling Point: 57

| Profile Description: (Describe to the dep | oth needed to document the indicator or confirm t | the absence of indicators.) |
|--|---|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | <u>Color (moist)</u> % <u>Type</u> ¹ Loc ² | Texture Remarks |
| 0-6 104K2/2 100 | | Mus |
| 6-10 2.54 3/2 00 | / | SL |
| 10-24+54 4/1 95 | 75 VR 3/4 5 (PL | 51 |
| IV BI OCITY | | JE |
| ······································ | | |
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| | | |
| | | |
| | | |
| Hydric Soil Indicators: (Applicable to all | =Reduced Matrix, CS=Covered or Coated Sand Grai | ins. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| | | _ |
| Histosol (A1) Histic Epipedon (A2) | Sandy Redox (S5) Stripped Matrix (S6) | 2 cm Muck (A10) Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | •••••• (p.a |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| X Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | Har I |
| Туре: | | X |
| Depth (inches): | | Hydric Soil Present? Yes 🔼 No |
| Remarks: | Start Contact | |
| | and the second | |
| | | The day |
| | the second se | |
| | and the second se | |
| | | 2 |
| HYDROLOGY | | n al an |
| HYDROLOGY Wetland Hydrology Indicators: | | |
| | d; check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: | d; check all that apply) Water-Stained Leaves (B9) (except | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require | | Chester |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface of Field Observations: Surface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface of Field Observations: Surface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface of Field Observations: Surface Water Present? Yes Yater Table Present? Yes Saturation Present? Yes Yes Yes Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface of Field Observations: Surface Water Present? Yes Yater Table Present? Yes Saturation Present? Yes Yes Yes Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface of Field Observations: Surface Water Present? Yes Yater Table Present? Yes Saturation Present? Yes Yes Yes Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |

| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region | | | | | | |
|--|-------------------------------------|-------------------------------|--|--|--|--|
| Project/Site: Albee Stadium | City/County: Eureha | Sampling Date: <u>9/22/20</u> | | | | |
| Applicant/Owner: Eurely City Schools | Statej | Sampling Point: 1958 | | | | |
| Investigator(s): Josephaler, Som Poly | _ Section, Township, Range: NW45 | ec. 25, TYN, RIW, HBM | | | | |
| Landform (hillslope, terrace, etc.): Hillslope | | None Slope (%): 75 | | | | |
| Subregion (LRR): A, MLRA - 4B Lat; 4 | 10.7889 9° Long: -124 | 154888 Datum: W&S 84 | | | | |
| | | classification: | | | | |
| Are climatic / hydrologic conditions on the site typical for this time of y | | ain in Remarks.) | | | | |
| Are Vegetation, Soil, or Hydrology significant | ly disturbed? Are "Normal Circumsta | ances" present? Yes X No | | | | |
| Are Vegetation, Soil, or Hydrology naturally p | roblematic? (If needed, explain any | answers in Remarks.) | | | | |
| | | | | | | |

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

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

| | Absolute | Dominant Indicator | Dominance Test worksheet: |
|---------------------------------------|----------------|--------------------|---|
| Tree Stratum (Plot size:) | <u>% Cover</u> | Species? Status | Number of Dominant Species |
| 1 | | · | That Are OBL, FACW, or FAC: (A) |
| 2 | | | Total Number of Dominant |
| 3 | | | Species Across All Strata: |
| 4. | | | |
| 10 | 1 | = Total Cover | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 54) | | = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| 1. Rubus unsinus | 5 | FACU | Prevalence Index worksheet: |
| | | | Total % Cover of: Multiply by: |
| 2 | | | OBL species x 1 = |
| 3 | | | FACW species x 2 = |
| 4 | | | FAC species x 3 = |
| 5 | 5 | · | FACU species x 4 = |
| Herb Stratum (Plot size: 5,4) | | = Total Cover | UPL species x 5 = |
| 1. Anthoxannum, O. dar at MM | 50 | FACU | The management of the second second |
| 2. Plastap ancertata | -U | FACU | |
| 3. Dactuls glomerata | 3 | | Prevalence Index = B/A = |
| | 55 | The Main | Hydrophytic Vegetation Indicators: |
| 4. Providium) a quilinum | TE | - FACY | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. festuca orungingcea | 17 | - PAC | 2 - Dominance Test is >50% |
| 6. Hypochaeris radicata | | | 3 - Prevalence Index is ≤3.0 ¹ |
| 7 | | · | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 10 | = Total Cover 55 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | | 22 | |
| 1 | | | Hydrophytic |
| 2 | | | Venetation |
| R | 1 | = Total Cover | Present? Yes No X |
| % Bare Ground in Herb Stratum | | | |
| Remarks | | | |
| | | | |
| | | | |
| | | | |

SOIL

Sampling Point: <u>58</u>

| Profile Description: (Describe to th | e depth needed to document the indicator or confirm | the absence of indicators.) |
|--|--|--|
| Depth Matrix | Redox Features | 241 W |
| (inches) Color (moist) | Color (moist) % Type Loc ² | Texture Remarks |
| 0-9 10YR 3/2 11 | | <u> </u> |
| 9-24+2.54413 9 | 5 7.574/4 5 C M | LS |
| | | |
| | | |
| · | | |
| | | |
| | | |
| | | |
| | | |
| ¹ Type: C=Concentration D=Depletion | n, RM=Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. |
| | to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A1 | | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: Very dry 501 | l | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one re | equired; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Living Roo | ts (C3) Geomorphic Position (D2) |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled Soils (C6 |) FAC-Neutral Test (D5) |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1) (LRR A) | Raised Ant Mounds (D6) (LRR A) |
| Inundation Visible on Aerial Imag | ery (B7) Other (Explain in Remarks) | Frost-Heave Hummocks (D7) |
| Sparsely Vegetated Concave Su | face (B8) | |
| Field Observations: | | |
| Surface Water Present? Yes _ | No Depth (inches): | N |
| Water Table Present? Yes _ | | X |
| Saturation Present? Yes _ | No X Depth (inches): N/A Wetla | and Hydrology Present? Yes No |
| (includes capillary fringe) | ge, monitoring well, aerial photos, previous inspections), | if available: |
| Describe Recorded Data (stream gad | ge, monitoring wen, achar protos, previous inspections), | |
| Remarks | | |
| | | |
| | | |
| - | | |
| no "ĝe | | |
| | | |

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

| Project/Site: Albee Stadium | City/County: Eurelia | _ Sampling Date: 9/22/20 |
|--|--|--------------------------|
| Applicant/Owner: Eucelia, City Schools | State: CA | Sampling Point: TP 59 |
| Investigator(s): Josep aler, Samfolly | Section, Township, Range: Nwy Sec. 25 | , T4N, RIW, HBM. |
| Landform (hillslope, terrace, etc.): HILSlope, | Local relief (concave, convex, none):Nor | Q Slope (%): 80 |
| Subregion (LRR): A, MLRA - 4B Lat: 40 | 0.788925° Long: -124.154 | 947° Datum: W6584 |
| Soil Map Unit Name: 257-Lepoil - Candy Mtn. (| amplex, 2-15% shees NWI classifi | cation: None |
| Are climatic / hydrologic conditions on the site typical for this time of ye | ear? Yes No (If no, explain in I | Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly | disturbed? Are "Normal Circumstances" | present? Yes No |
| Are Vegetation, Soil, or Hydrology naturally pro | bblematic? (If needed, explain any answ | ers in Remarks.) |

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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes No No Yes No | Is the Sampled Area within a Wetland? | Yes No |
|---|--|---------------------------------------|--------|
| Remarks: | | (4) | |

| 37.64 | Absolute | Dominant In | | Dominance Test worksheet: |
|------------------------------------|---|---------------|-------|---|
| Tree Stratum (Plot size: 30++) | % Cover | Species? | | Number of Dominant Species 1 |
| 1. AINW rubra | - <u> </u> | V | AC | That Are OBL, FACW, or FAC: (A) |
| 2, | | | | Total Number of Dominant 7 |
| 3 | | | | Species Across All Strata: 3 (B) |
| 4 | | | | |
| | 0 | | | Percent of Dominant Species That Are OBL, FACW, or FAC: 33% (A/B) |
| Sapling/Shrub Stratum (Plot size:) | _0 | = Total Cove | r | That Are OBL, FACW, or FAC:(A/B) |
| 1. RUBUS UNSTAUS | 17 | V- | FALL | Prevalence Index worksheet: |
| 2 | | | 1.001 | Total % Cover of: Multiply by: |
| | | | | OBL species x 1 = |
| 3 | | | | FACW species x 2 = |
| 4 | • · · · · · · · · · · · · · · · · · · · | | | FAC species x 3 = |
| 5 | 13. | | | FACU species x 4 = |
| Herb Stratum (Plot size: 5H) | 11 | = Total Cove | r | UPL species x 5 = |
| 1. SERDUS MICROCARDUS | 20 | C | BL | Column Totals: (A) (B) |
| 2. Precidium aquilloum | 35 | VF | ACU | Drovelence Index - D/A - |
| 3. Holcus, lanarius | 5 | | AC | Prevalence Index = B/A = Hydrophytic Vegetation Indicators: |
| 4. Equisetum arvense, | 20 | 4 | AC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Arthexarthum a doratum | 3 | F | ACU | 2 - Dominance Test is >50% |
| 6. Dactylis glowerata c | 15 | | ACU | 3 - Prevalence Index is $\leq 3.0^{1}$ |
| 7. Crocosmia Jx crocosmittora | - U | | AC | |
| 8. Stachus Ajugoides | 2 | | OBL | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9. Agrostis stologitora | 2 | 1 | AC | 5 - Wetland Non-Vascular Plants ¹ |
| 10. | | | J | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. | | | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 106 | = Total Cover | 53 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 100- | | 2.2 | |
| 1 | | | | Hydrophytic |
| 2 | | | | |
| N | | = Total Cover | • | Present? Yes No X |
| % Bare Ground in Herb Stratum | | 10101 00461 | | |
| Remarks: | | | | |
| | | | | |
| | | | | |
| | | | | |

SOIL

Sampling Point: TP 59

| Profile Description: (Describe to the o | depth needed to document the indicator or confirm | the absence of indicators.) |
|---|--|--|
| Depth Matrix | Redox Features | 2010 B |
| (inches) Color (moist) % | <u>Color (moist)</u> <u>%</u> <u>Type'</u> <u>Loc</u> ² | Texture Remarks |
| 0-5 104R 2/1 100 | | <u> </u> |
| 5-20 2.59 4/4 77 | $= \frac{10 \text{VR} 4/4}{5 \text{VR} 3/4} \frac{20}{3} \frac{\text{C}}{\text{M}} \frac{\text{PL}}{\text{M}}$ | SL |
| 20-24 IOYR 4/2 85 | OVRU/6 15 C M | ExGrSL |
| | | |
| ¹ Type: C=Concentration, D=Depletion, I | RM=Reduced Matrix, CS=Covered or Coated Sand Gra | ains. 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) | 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | | ³ Indicators of hydrophytic vegetation and |
| Thick Dark Surface (A12) Sandy Mucky Mineral (S1) | Redox Dark Surface (F6) Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Mucky Mineral (37) Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Type: | | |
| Depth (inches): | | Hydric Soil Present? Yes No X |
| Remarks: | | |
| NO AAD read | | |
| Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one requ | uired; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| High Water Table (A2) | MLRA 1, 2, 4A, and 4B) | 4A, and 4B) |
| X Saturation (A3) | Salt Crust (B11) | Drainage Patterns (B10) |
| Water Marks (B1) | Aquatic Invertebrates (B13) | Dry-Season Water Table (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide Odor (C1) | Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Oxidized Rhizospheres along Living Roo | |
| Algal Mat or Crust (B4) | Presence of Reduced Iron (C4) | Shallow Aquitard (D3) |
| Iron Deposits (B5) | Recent Iron Reduction in Tilled Soils (C6 |) FAC-Neutral Test (D5) |
| Surface Soil Cracks (B6) | Stunted or Stressed Plants (D1) (LRR A) |) Raised Ant Mounds (D6) (LRR A) |
| Inundation Visible on Aerial Imagen | y (B7) Other (Explain in Remarks) | Frost-Heave Hummocks (D7) |
| | oo (P9) | |
| Sparsely Vegetated Concave Surfa | | |
| Sparsely Vegetated Concave Surfa Field Observations: | | |
| | | and the part of the second |
| Field Observations: | N/A | |
| Field Observations: Surface Water Present? Yes | No Depth (inches): NA No Depth (inches): NA | and Hydrology Present? Yes No |
| Field Observations: Surface Water Present? Yes | No Depth (inches): NA No Depth (inches): NA No Depth (inches): 510 Weth | |
| Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) | No Depth (inches): NA No Depth (inches): NA | |
| Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) | No Depth (inches): NA No Depth (inches): NA No Depth (inches): 510 Weth | |
| Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge) | No Depth (inches): NA No Depth (inches): NA No Depth (inches): 510 Weth | |
| Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge) | No Depth (inches): NA No Depth (inches): NA No Depth (inches): 510 Weth | |
| Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge) | No Depth (inches): NA No Depth (inches): NA No Depth (inches): 510 Weth | |
| Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge) | No Depth (inches): NA No Depth (inches): NA No Depth (inches): 510 Weth | |

| WETLAND DETERMINATION DATA F | ORM – Western Mountains, Valleys, and Coast Region |
|--|---|
| Project/Site: Albee Staclium | _ City/County: Evela Sampling Date: 9/22/20 |
| Applicant/Owner: Eureka (TY) chools | State: CA Sampling Point: P60 |
| Investigator(s): Som Poly, Josep Saler | Section, Township, Range: |
| Landform (hillslope, terrace, etc.): | Local relief (concave, convex, none): NOne Slope (%): 5 |
| Subregion (LRR): A MLRA - 48 Lat: | 40.789203 Long: 124.154893 Datum: W6584 |
| Soil Map Unit Name: 257- Jepoil - Condy Mtr | . Complex, 2-15/, Slops NWI classification: Non C |
| Are climatic / hydrologic conditions on the site typical for this time c | of year? Yes X No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significa | ntly disturbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally | r problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map show | ing sampling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes X No | - N |
| Hydric Soil Present? Yes X No | |
| Wetland Hydrology Present? Yes X No | within a Wetland? Yes No |
| Remarks: | |

| 204 | Absolute Dominant Indicator | Dominance Test worksheet: |
|---------------------------------------|--|---|
| Tree Stratum (Plot size: 30++) | <u>% Cover</u> <u>Species?</u> <u>Status</u> | Number of Dominant Species |
| 1. Sequioia sendervirens | 25 V NL | That Are OBL, FACW, or FAC: (A) |
| 2 Salt Looherian a | 5 FACW | Tatal Number of Durainant |
| 3. Ficea Sitchasis | 10 FAC | Total Number of Dominant Species Across All Strata: (B) |
| 4-PSeridornia Menzioni | 1 FACU | |
| 4. J SCALOUSK JA MINI OTON | | Percent of Dominant Species 50 / |
| Sapling/Shrub Stratum (Plot size: 54) | = Total Cover 20.3 | That Are OBL, FACW, or FAC: (A/B) |
| 1. Genista Monspessiona | 2. NI | Prevalence Index worksheet: |
| | FI | Total % Cover of: Multiply by: |
| 2. Cotoneaster lalcteus | - t - NK | OBL species $50 \times 1 = 50$ |
| 3. Kubus Unainus | -2 - +ACU | FACW species $38 \times 2 = 76$ |
| 4. Rubus armeniacus | 1 FAC | FAC species 2 $x_3 = 63$ |
| 5 | | 12 |
| 5(+ | 9 = Total Cover | FACU species 15 x 4 = 52 |
| Herb Stratum (Plot size:) | 10 | UPL species 28 x 5 = 40 |
| 1. SCIEDUS MICROCALOUS | 40 V UBL | Column Totals: (A) , 38 (B) |
| 2. Dectivis glomorata, | 7 FACU | Prevalence Index = $B/A = 2.54$ |
| 3. Stachys lajugoides | 10 061 | Hydrophytic Vegetation Indicators: |
| 4. Juris ethings | 15 FACW | |
| 5. Fouserin telmateia | 8 - FICIN | 1 - Rapid Test for Hydrophytic Vegetation |
| | 2 | 2 - Dominance Test is >50% |
| | E The | X 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Grocosmiq X Grocosmittora | P +AC | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. | | data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10, | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 100 = Total Cover 🎇 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) | 100 rotal cover 20 | |
| 1 | | Hydrophytic |
| 2 | | Vegetation |
| N | = Total Cover | Present? Yes A No |
| % Bare Ground in Herb Stratum | | |
| Remarks: | | |
| 3 | 4 | |
| | | |

Sampling Point: TP 60

| Profile Description: (Describe to the dep | oth needed to document the indicator or confirm | the absence of indicators.) |
|--|---|--|
| Depth <u>Matrix</u> | Redox Features | |
| (inches) Color (moist) % | <u>Color (moist)</u> <u>%</u> Type ¹ Loc ² | Texture Remarks |
| 0-6 104R 2/2 100 | | Mu |
| 6-10 543/1 100 | //// | MuSL |
| 10-74+ ECV4/ 00 | EVUL IO DOM | |
| 10-21. 2157 11 90 | STAT TO PETT | |
| | | |
| | | |
| | | |
| | | |
| | | · · · · · · · · · · · · · · · · · · · |
| | | 1 |
| ¹ Type: C=Concentration, D=Depletion, RM | =Reduced Matrix, CS=Covered or Coated Sand Gra | ains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soil Indicators: (Applicable to all | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | X 2 cm Muck (A10) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Koamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| Туре: | | V |
| Depth (inches): | in (| Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| HYDROLOGY Wetland Hydrology Indicators: | <u>.</u> | |
| | d, check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one requires Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface of Field Observations: | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) T) Other (Explain in Remarks) (B8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I Field Observations: Surface Water Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) MLRA 1, 2, 4A, and 4B) Multiple Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Tother (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Tother (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Gaturation Present? Yes Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches):A No Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Gaturation Present? Yes Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rood Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Tother (Explain in Remarks) (B8) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, metable) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches):A No Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface I Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Gaturation Present? Yes Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches):A No Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, metabolic concept conc | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches):A No Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, metable) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches):A No Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, metabolic concept conc | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8) No Depth (inches):A No Depth (inches):A Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |

| Applicant/Owner: Eurora Gity Schools State: CA Sampling Point: TP 61 Investigator(s): Som Polly, Section, Township, Range: NW4 Sec. 25, T4N, R1W, HBM Landform (hillstope, terrace, etc.): HILD OPE Local relief (concave, convex, none): None Stope (%): Stope (%): Subregion (LRR): A, MLRA HB Lat: 40,789 75 Long: 124,154840 Datum: Datum: | WETLAND DETERMINATION DATA FOR | RM – Western Mountains, \ | /alleys, and Coast Region |
|--|---|-------------------------------------|---------------------------------------|
| Investigator(s): Support of the second data second dat | Project/Site: Albee Stadium | City/County: Eveld | Sampling Date: 9/22/20 |
| Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): None Slope (%): 40 Subregion (LRR): A, MLRA -B Lat: 40.789 75 Long: 124.154840 Datum: WG584 Soil Map Unit Name: 257-Lefoil - Concy Mtn. Complex, 2-157. Shop NWI classification: None Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No In the Second Area | | | |
| Subregion (LRR): A, MLRA - HB Lat: 40.789 75° Long: 124.154840 Datum: WGS 84 Soil Map Unit Name: 2.57-Lepoil - Candy Mth. Complex, 2-157. Soip NWI classification: No | Investigator(s): Sam Polly, Joseph Dular | Section, Township, Range: | NY Sec. 25, TYN, RIW, HBM) |
| Soil Map Unit Name: 257-Leffoil - Concy Mtn. Complex, 2-157. Shy NWI classification: No Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation, Soil, or Hydrology significantly disturbed? No (If needed, explain any answers in Remarks.) 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 | Landform (hillslope, terrace, etc.): | _ Local relief (concave, convex, no | ne): None Slope (%): 40 |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No In the Second Lago | Subregion (LRR): A, MLRA 4B Lat: 4 | | |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No In the Second Area | Soil Map Unit Name: 257-Lepoil - Condy Mtn. | Complex, 2-15%. Shop | NWI classification: None |
| 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 la the Second Area | Are climatic / hydrologic conditions on the site typical for this time of y | | |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No | Are Vegetation, Soil, or Hydrology significantl | y disturbed? Are "Normal Cir | cumstances" present? Yes X No |
| Hydrophytic Vegetation Present? Yes No | Are Vegetation, Soil, or Hydrology naturally p | roblematic? (If needed, expl | ain any answers in Remarks.) |
| In the Convolution | SUMMARY OF FINDINGS – Attach site map showin | g sampling point locations | , transects, important features, etc. |
| Hydric Soil Present? Yes No X Is the Sampled Area | Hydrophytic Vegetation Present? Yes No | | |
| Wetland Hydrology Procent? Voc. No Xin Within a Wetland? Yes No | | | Yes No |

Yes

VEGETATION - Use scientific names of plants.

Yes

No 7

Wetland Hydrology Present?

Remarks:

| 202 01 | Absolute Dominant Indicator | Dominance Test worksheet: |
|---|-----------------------------|---|
| Tree Stratum (Plot size: 50 ff) | % Cover Species? Status | Number of Dominant Species 7 |
| 1. Sequoid Sendencines | 30 V NL | That Are OBL, FACW, or FAC: (A) |
| 2. Picela sitchersis | IS L DAC | |
| 3. Pseudorsuga Menziesii | 5 FACY | Total Number of Dominant Species Across All Strata: (B) |
| 4 | | 11 7 |
| Sapling/Shrub Stratum (Plot size: 5ft) | 50 = Total Cover 76 | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| Saping/Shirub Stratum (Flot size. | 5 ENCL | Prevalence Index worksheet: |
| 1. Gaultheria Shallon 2. Corpresser Jaceus | 25 TAU | Total % Cover of: Multiply by: |
| 3. I lex a with the | ENCU | OBL species x 1 = |
| 4. Genistamonspessulance | | FACW species x 2 = |
| 5. | | FAC species x 3 = |
| | 43 = Total Cover 21.5 | FACU species x 4 = |
| Herb Stratum (Plot size: 5ff) | 0.5 | UPL species x 5 = |
| 1. Crocosmig × Cocosmillora | 50 / FAC | Column Totals: (A) (B) |
| 2 Scipps Michappus | 8 OBL | Prevalence Index = B/A = |
| 3. Ptendium a guillinum | 10 FACU | Hydrophytic Vegetation Indicators: |
| 4 Equisetum del motein | 5PACW | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Althexation odoration | 2 ACU | 2 - Dominance Test is >50% |
| 6. Holcus photos | -2FAC | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. DACTY 15 Glopperata | 10 FACU | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 Prospertes Shithi | <u>2</u> NL | data in Remarks or on a separate sheet) |
| 9 | | 5 - Wetland Non-Vascular Plants ¹ |
| 10. | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | ¹ Indicators of hydric soil and wetland hydrology must |
| ELL | = Total Cover | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: 54+) | P 2 Chal | |
| 1. Hedra herix | 0 V +ACH | Hydrophytic |
| 2 | | Vegetation |
| % Bare Ground in Herb Stratum | 8= Total Cover | Present? Yes No |
| Remarks: | | I |
| , ionano, | | |
| | | |

| SOIL |
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Sampling Point: TP 64

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3

| Profile Description: (Describe to the dep | th needed to document the indicator or confirm | the absence of indicators.) |
|---|--|---|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type Loc ² | Remarks |
| 0-12 10,413/2 100 | <u> </u> | SL Dense rook |
| [2-20 25 Y4/1 90 | 10YR3/4 10 C PL | 52 |
| 20-24 58 6/1 90 | 75VR4/6 10 C DI | 15 |
| | 1 | |
| | | ······ |
| | | |
| | | |
| | | |
| | | |
| | Badward Mahin CS-Caused as Casted Said Ca | |
| Hydric Soil Indicators: (Applicable to all | Reduced Matrix, CS=Covered or Coated Sand Gr. | ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histoser (XY) Histic Epipedon (A2) | Stripped Matrix (S6) | Red Parent Material (TF2) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) (except MLRA 1) | Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Type: | | X |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks | | · · · · · · · · · · · · · · · · · · · |
| | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| | | 0 |
| Wetland Hydrology Indicators: | : check all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B Field Observations: Surface Water Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 38) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Yes Water Table Present? | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 38) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Bab No Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) No Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Bab No Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Bab No Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Bab No Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Bab No Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Bab No Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |

| WETLAND DETER | MINATION DATA FORM - | Western Mountains | s, Valleys, and Coast Region |
|--|--------------------------|--|---|
| Project/Site: Albee Stad | City/ | County: Pineka | Sampling Date: 9/24/96 |
| | ity schools | | State: CA Sampling Point: TP 62 |
| | | ion Townshin Range N | WYSEL 25, TYN, RIW, HBM |
| Landform (hillslope, terrace, etc.): | | | none): <u>None</u> Slope (%): <u>10</u> |
| Subregion (LRR): A MLRA - 46 | Lat 40. | | -124. 154938 Datum: WGS84 |
| Soil Map Unit Name: 212-Urban L | | | |
| Are climatic / hydrologic conditions on the | | | |
| | | and the second sec | |
| Are Vegetation, Soil, or H | | | I Circumstances" present? Yes X No |
| Are Vegetation, Soil, or H | | | explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Att | tach site map showing sa | mpling point locatio | ons, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes No | In the Complete Area | |
| Hydric Soil Present? Wetland Hydrology Present? | | Is the Sampled Area within a Wetland? | YesNo |
| Remarks: | Yes X No | | |
| Vegetation regularly | moved, laws con | ditions. | |
| VEGETATION – Use scientific | names of plants. | | |
| Tree Stratum (Plot size: | | ecies? Status | inance Test worksheet: |
| 1 | | Nulli | ber of Dominant Species |
| 2, | | | |
| 3 | | | Number of Dominant ies Across All Strata: |
| 4 | | Perce | ent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: | =T | | ent of Dominant Species |
| 1. | | Preva | alence Index worksheet: |
| 2 | | | Total % Cover of: Multiply by: |
| 3 | | | species x 1 = |
| 4 | | the second se | W species x 2 = |
| 5 | | | species x 3 = J species x 4 = |
| Herb Stratum (Plot size: 54 | ,=⊺ | oral Cover I | species x 5 = |
| 1. Scircus Microcarpu | 40 1 | | mn Totals: (A) (B) |
| 2. Renuncielus repeis | 22 1 | FAC | |
| 3. Juncus phaedrephalus | 1 | FACU Hydr | Prevalence Index = B/A = ophytic Vegetation Indicators: |
| 4. Agrostis Istolatela | 32 | | - Rapid Test for Hydrophytic Vegetation |
| 5. Holans langus | 4 | HAC X 2 | 2 - Dominance Test is >50% |
| 6. Swars browns | 1 | FACW 3 | B - Prevalence Index is ≤3.0 ¹ |
| 7 _{0.1} | | | - Morphological Adaptations ¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain) |
| 10 | | | cators of hydric soil and wetland hydrology must |
| | 107 = T | | esent, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: | | | |
| 1 | | | ophytic |
| 2 | | Bree | ent? Yes No |
| % Bare Ground in Herb Stratum | = T | otal Cover | |
| Remarks: | | | |
| Movedlawn | 15 | | |
| | | | |

US Army Corps of Engineers

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Sampling Point: TP62

| Depth (inches) Matrix Color (mgist) Redox Features 0-2 10 YR 2/2 100 2-24+ 10 YR 2/2 75 10 G Y 5/1 10 | |
|--|---------------|
| 0-2 10 YR 2/2 100 2-24+ 10 YR 2/2 75 7.5 YR 4/6 15 C M SL w/ ucconssional gravel | |
| 2-24+ 104R2/2 75 7.5 YR4/6 15 C M SL w/ occonsional gravel | |
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| | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. | |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ | |
| Histosol (A1) 2 cm Muck (A10) | |
| Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) | |
| Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) | |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) | 1 |
| Depleted Below Dark Surface (A11) Depleted Matrix (F3) | |
| Thick Dark Surface (A12) X Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and | |
| Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Sandy Gleyed Matrix (S4) Redox Depressions (F8) unless disturbed or problematic. | |
| | |
|) | |
| Type: Depth (inches): Hydric Soil Present? Yes No | |
| | |
| Remarks: | |
| | |
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| HYDROLOGY | |
| Wetland Hydrology Indicators: | |
| Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) | <u>1)</u> |
| Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLRA | I, 2 , |
| High Water Table (A2) MLRA 1, 2, 4A, and 4B) 4A, and 4B) | |
| X Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) | |
| Water Marks (B1) Aquatic Invertebrates (B13) X Dry-Season Water Table (C2) | |
| | (C9) |
| Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery | |
| Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) | |
| Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) | |
| Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) | |
| Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) | |
| Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) X FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) | |
| Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) State Concave Surface (B8) State Concave Surface (B8) | |
| Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) X FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) | |
| Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) State Concave Surface (B8) State Concave Surface (B8) | |
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| Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) X FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) | |
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| Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Yes No | |
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| WETLAND DETER | MINATION DATA FO | RM – Westerr | Mountains, Valley | s, and Coast Regio | 'n |
|--|---------------------------------|-------------------|-------------------------|----------------------|--------------|
| Project/Site: Albee Stadi | un. | _ City/County: | Eureka | Sampling Date: _ | 9/24/20 |
| Applicant/Owner: Eureka | Gby Schools | | State: | Sampling Point: | TP63 |
| Investigator(s): Joseph Saler | Cindy wilcox | Section, Towns | hip, Range: NW45e | c. 25, T4N, R1 | W, HBM |
| Landform (hillslope, terrace, etc.): | why area | Local relief (con | ncave, convex, none): | Jone Slo | pe (%): 10 |
| Subregion (LRR): A, MLRA-L | | | 8° Long: -124. | | m: WGS 84 |
| Soil Map Unit Name: 212-Urbanh | md-Haltbluft-Red | sands Complex | 0-5% NWIG | classification: None | |
| Are climatic / hydrologic conditions on th | e site typical for this time of | year? Yes 📉 | No (If no, expla | ain in Remarks.) | 77. |
| Are Vegetation, Soil, or H | łydrology significan | tly disturbed? | Are "Normal Circumsta | nces" present? Yes 🌙 | L No |
| Are Vegetation, Soil, or H | lydrology naturally | problematic? | (If needed, explain any | answers in Remarks.) | |
| SUMMARY OF FINDINGS - A | tach site map showi | ng sampling p | oint locations, tran | sects, important fe | atures, etc. |
| Hydrophytic Vegetation Present? | Yes 🔀 No | _ | | | |
| Hydric Soil Present? | Yes No | 1 | ampled Area | . × | |
| Wetland Hydrology Present? | Yes No X | within a | Wetland? Ye | s No | <u> </u> |

Remarks:

2.00

| Tree Stratum (Plot size:) 1. 2. 3. | Absolute <u>% Cover</u> | Dominant Indicator Species? Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Toţal Number of Dominant Species Across All Strata: |
|---|----------------------------|---------------------------------------|--|
| 4 | \geq | _ = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: |
| 2 3 4 | | | Total % Cover of: Multiply by: OBL species x 1 = FACW species x 2 = FAC species x 3 = |
| 5. <u>Herb Stratum</u> (Plot size: 577) 1. <u>Scirpus</u> <u>Microcarpus</u> | 12 | = Total Cover | FACU species x 4 = UPL species x 5 = Column Totals: (A) |
| 2. Rannenius repars' 3. Agrostis stalonitera 4. Tisilaium repars 5. Lotus corniculatus | 20 19 15 1 | X FAC | Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% |
| 6. Equisetun arvese 7. Holous anatus 8. Bellis perene | T 2 1 | FAC PAC NL | 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 9 10 11 | | | 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size:) 1. 2. % Bare Ground in Herb Stratum | _ | Total Cover | Hydrophytic Vegetation Present? Yes No |
| Remarks: Moved lawn | | | |

Sampling Point: TP63

| Profile Description: (Describe to the dept | h needed to document the indicator or confirm | the absence of indicators.) |
|--|--|--|
| Depth Matrix | Redox Features | |
| (inches) Color (moist) % | Color (moist) % Type ¹ Loc ² | Texture Remarks |
| 0-4 10YR 3/2 100 | / /// | SL |
| 4-16 10YR3/2 80 | | LS fill, Mixed |
| 10 VR 6/8 5 | | |
| TEUREICA | | |
| 1.24 5/6 4 | | |
| OYKU/ | | |
| 10YR6/6 12 | | Vith Charlesa) |
| 16-24+ 10YR4/1 75 | 7.5 YR5/8 25 C M | 45 |
| is - in the second | | |
| | | and a company and the second second |
| | Reduced Matrix, CS=Covered or Coated Sand Gra | |
| Hydric Soil Indicators: (Applicable to all L | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) Black Histic (A3) | Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA 1) | Red Parent Material (TF2) Very Shallow Dark Surface (TF12) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | × × |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Wetland Hydrology Indicators: | | |
| Primary Indicators (minimum of one required | | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) Depth (inches): NA Depth (inches): NA Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) Depth (inches): NA Depth (inches): NA Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) Depth (inches): NA Depth (inches): NA Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) Depth (inches): NA Depth (inches): NA Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) Depth (inches): NA Depth (inches): NA Wetla | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |

| WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region |
|---|
| Project/Site: Albee Stadium, City/County: Eurelka Sampling Date: 9/24/20 |
| Applicant/Owner: Eurcha City Schools State; CA Sampling Point: TP 64 |
| Investigator(s): Cindy Wilcox, Joseph aler Section, Township, Range: NW4 Sec. 25, T4N, RIW, HBM |
| Landform (hillstope, terrace, etc.): Athletic tield Local relief (concave, convex, none): Nove Slope (%): 0-1 |
| Subregion (LRR): A MLRA - 4B Lat: 40.789.933° Long: -124.154748 Datum: WGS 84 |
| Soil Map Unit Name: 212 - Urban Land - Halfbluff-Red sands Complex, 0-5% NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. |

| Hydrophytic Vegetation Present? | Yes No | | 6.00 |
|---------------------------------|-----------------|---------------------|--------|
| Hydric Soil Present? | Yes No _X | Is the Sampled Area | X |
| Wetland Hydrology Present? | Yes No | within a Wetland? | Yes No |
| Novedlawn ~ | 10ft Not softba | 1) dippit | |

VEGETATION – Use scientific names of plants.

| | Absolute | Dominant Indicator | Dominance Test worksheet: |
|--|-----------------|--------------------|---|
| Tree Stratum (Plot size:) | % Cover | Species? Status | Number of Dominant Species Z |
| 1, | | | That Are OBL, FACW, or FAC: (A) |
| 2 | | | |
| | (). | | Total Number of Dominant 7 |
| 3 | | | Species Across All Strata: (B) |
| 4 | - | | Percent of Dominant Species |
| а манастика станата на ¹⁶ ла с | | = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: |
| Sapling/Shrub Stratum (Plot size:) | | | Prevalence Index worksheet: |
| 1 | | | |
| 2 | | | |
| 3 | | | OBL species x 1 = |
| | | | FACW species x 2 = |
| 4 | 1 | | FAC species x 3 = |
| 5 | | | FACU species x 4 = |
| Herb Stratum (Plot size: 5++) | | = Total Cover | UPL species x 5 = |
| 1. Ran unculus repers | 40 | V FAC. | Column Totals: (A) (B) |
| 2. Scirous Microcarpus | 7 | OBL | |
| 3. Belis perennel | 2 | N12 | Prevalence Index = B/A = |
| 3 Departer and a local and a l | 15 | - NC | Hydrophytic Vegetation Indicators: |
| 4. Agrostis stalovitera | | TAC | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Prinella julgaris | 10 | FACH | 😾 2 - Dominance Test is >50% |
| 6 Holcus lanatus | + | - tAC | 3 - Prevalence Index is ≤3.0 ¹ |
| 7. Plantago Majar | 4 | FAC | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) |
| 9 | | | 5 - Wetland Non-Vascular Plants ¹ |
| 10 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| ~ | 100 | = Total Cover 🧏 | be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: | 100 | | |
| 1 | | | Hydrophytic |
| 2 | | | Vegetation |
| 2 | | = Total Cover | Present? Yes <u>No</u> No |
| % Bare Ground in Herb Stratum | - | | |
| Remarks; | | | 1 |
| that a all it is much | | | |
| Vigenin regular round | | | |
| U J / | | | |

US Army Corps of Engineers

Sampling Point: TP 64

| Depth Matrix | the indicator of community | the absence of indicators.) |
|---|---|---|
| | Redox Features | - 111 |
| (inches) Color (moist) % | <u>Color (moist)</u> <u>%</u> <u>Type¹</u> <u>Loc²</u> | Remarks |
| 0-4 10 yr 3/2 100 | | Sh |
| 9-24+ 101R3/2 55 | 7.5TR STO 8 PEC PL | Fill matrix of read schover |
| 10865/2 33 | 54R 5/8 4 C PL | |
| | | |
| | | |
| | | |
| | | A 18 |
| | | |
| | | |
| | Reduced Matrix, CS=Covered or Coated Sand Gra | |
| Hydric Soil Indicators: (Applicable to all L | | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox (S5) | 2 cm Muck (A10) |
| Histic Epipedon (A2) Black Histic (A3) | Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA 1) | Red Parent Material (TF2) |
| Hydrogen Sulfide (A4) | Loamy Bleyed Matrix (F2) | Very Shallow Dark Surface (TF12) Other (Explain in Remarks) |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Depleted Dark Surface (F7) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Туре: | | |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | |
| HYDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| | | |
| Primary Indicators (minimum of one required: | check all that apply) | Secondary Indicators (2 or more required) |
| Primary Indicators (minimum of one required; Surface Water (A1) | | Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, |
| | <u>check all that apply)</u> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, |
| Surface Water (A1) | Water-Stained Leaves (B9) (except | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Surface Water (A1) High Water Table (A2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow:Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) fron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 8) | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow:Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B) Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow:Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B Field Observations: Surface Water Present? Yes N Water Table Present? Yes N | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B Field Observations: Surface Water Present? Yes N Water Table Present? Yes N Saturation Present? Yes N | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches): | Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow:Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) |
| | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches): | Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches): Wetla | Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B Field Observations: Surface Water Present? Yes N Water Table Present? Yes N Water Table Present? Yes N Saturation Present? Yes N Mater Table Present? Yes N Saturation Present? Yes N Saturation Present? Yes N Saturation Present? Yes N | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches): Wetla | Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B Field Observations: Surface Water Present? Yes N Water Table Present? Yes N Water Table Present? Yes N Saturation Present? Yes N Mater Table Present? Yes N Saturation Present? Yes N Saturation Present? Yes N Saturation Present? Yes N | Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches): Wetla | Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) |
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| WETLAND DETERMINATION DATA FORM - | Western Mountains, Valleys, and Coast Region |
|---|---|
| Project/Site: Albee Stadium City/ | County: Errera Sampling Date: 9/24/20 |
| Applicant/Owner: Ewelia City Schools | State: CA Sampling Point: TP65 |
| Investigator(s): _)osuph saler, Cindy Wilox Sect | tion, Township, Range: MWy Sec. 25, TYN, RIW, HBM |
| | al relief (concave, convex, none): Nove Slope (%): 5 |
| Subregion (LRR): A, MLCKA - 4B | 189992 Long: -129.159 110 Datum: W6387 |
| Soil Map Unit Name: 212- Urbon Land - Matt blut - Red Sa | Not Complex 0-5% NWI classification: None |
| Are climatic / hydrologic conditions on the site typical for this time of year? | Yes No (If no, explain in Remarks.) |
| Are Vegetation, Soil, or Hydrology significantly distu | urbed? Are "Normal Circumstances" present? Yes X No |
| Are Vegetation, Soil, or Hydrology naturally problem | natic? (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sa | mpling point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No X | |
| Hydric Soil Present? Yes No | Is the Sampled Area |
| Wetland Hydrology Present? Yes No X | within a Wetland? Yes No |
| Remarks: | N |

| 100 | Absolute Dominant Indicator | Dominance Test worksheet: |
|------------------------------------|-----------------------------|---|
| Tree Stratum (Plpt size: 30++) | % Cover Species? Status | |
| 1. Pinus Cadiata | 60 NL | Number of Dominant Species (A) |
| 2 | | |
| 3 | 3 | Total Number of Dominant Species Across All Strata: |
| 4 | | |
| | = Total Cover | Percent of Dominant Species 50% (A/B) |
| Sapling/Shrub Stratum (Plot size:) | | Prevalence Index worksheet: |
| 1 | | Total % Cover of: Multiply by: |
| 2 | | OBL species x 1 = |
| 3 | | FACW species x 2 = |
| 4 | <u> </u> | FAC species x 2 = |
| 5 | <u> </u> | FACU species x 4 = |
| S | = Total Cover | UPL species x 5 = |
| Herb Stratum (Plot size:) | 10 AU | |
| 1. Hypschaegis radicata | - 10 | Column Totals: (A) (B) |
| 2. Rompular report | - 18 | Prevalence Index = B/A = |
| 3. Hocus enotui | 17 V FAC | Hydrophytic Vegetation Indicators: |
| 4. Intolium repes | <u>IO</u> <u>AC</u> | 1 - Rapid Test for Hydrophytic Vegetation |
| 5. Prynella Vulgaris | 15 PACI | 2 - Dominance Test is >50% |
| 6. Mesticap polythorpha | 1 FACU | 3 - Prevalence Index is ≤3.0 ¹ |
| 2 Sarpus Nichographs | <u>3</u> <u>QBL</u> | 4 - Morphological Adaptations ¹ (Provide supporting |
| 8. Taptixacin Africinale | 1FACU | data in Remarks or on a separate sheet) |
| 9. Bellis perenne | 2 NL | 5 - Wetland Non-Vascular Plants ¹ |
| 10. Festucia arundinacea | 5 FAC | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 11. Agrostis stadintera | 33 - FAC | ¹ Indicators of hydric soil and wetland hydrology must |
| | 100 = Total Cover So | be present, unless disturbed or problematic, |
| Woody Vine Stratum (Plot size:) | | |
| 1 | | Hydrophytic |
| 2 | | Vegetation Present? Yes No X |
| Q | = Total Cover | Present? Yes No |
| % Bare Ground in Herb Stratum | | |
| Remarks: | | |
| homed form | | |
| | | |

Sampling Point: TP65

| Profile Description: (Describe to the depth | needed to document the in | dicator or co | ontirm t | the absence (| of indicators.) | | |
|--|--|--|---|---|---|--|--|
| ppth Matrix Redox Features | | | | | | | |
| (inches) Color (moist) % | Color (moist) % | Type' Lo | | Texture | Remarks | | |
| 0-6 0YR3/2 100 | / / | 1 - | / | SL | | | |
| 6-24 10YR4/2 72 7 | .5YR 5/8 1 | CN | Λ | 151 | Fill, mixed | | |
| 58(35/2 2 | 2115210 - | | 1 | | | | |
| | | | | | Black | | |
| | | | | | | | |
| 104R 6/8 20_ | | | | | | | |
| | | | | | ÷ | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix, | | | | | | | |
| Hydric Soil Indicators: (Applicable to all LR | Rs, unless otherwise noted | i.) | | Indicator | s for Problematic Hydric Soils ³ : | | |
| | Sandy Redox (S5) | | | 2 cm | Muck (A10) | | |
| Histic Epipedon (A2) | Stripped Matrix (S6) | | | | Parent Material (TF2) | | |
| Black Histic (A3) | Loamy Mucky Mineral (F1) | (except MLI | RA 1) | Very | Shallow Dark Surface (TF12) | | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | | | Othe | r (Explain in Remarks) | | |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | | | 2 | | | |
| Thick Dark Surface (A12) | Redox Dark Surface (F6) | | | | s of hydrophytic vegetation and | | |
| | Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) | | | | d hydrology must be present, | | |
| Sandy Gleyed Matrix (S4) Restrictive Layer (if present): | Redox Depressions (F8) | | | unless | disturbed or problematic. | | |
| | | | | | | | |
| Туре: | - | | | | V | | |
| Depth (inches): | | | | Hydric Soil I | Present? Yes No 2012 | | |
| Remarks: | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| HYDROLOGY | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| | heck all that apply) | | | Secon | dary Indicators (2 or more required) | | |
| Wetland Hydrology Indicators: | heck all that apply) Water-Stained Leaves | s (B9) (excep | ot | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | | | ot | | ater-Stained Leaves (B9) (MLRA 1, 2, | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) | Water-Stained Leaves | | ot | W | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) | Water-Stained Leaves MLRA 1, 2, 4A, an | d 4B) | ot | W: Dr | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates | d 4B) (B13) | ot | W: Dr Dr | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd | (B13) or (C1) | | Wi Dr Dr Sa | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere | (B13) or (C1) s along Livin | | — Wi — Dr — Dr — Sa • (C3) — Ge | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced | (B13) or (C1) is along Livin Iron (C4) | ig Roots | — Wi — Dr — Dr — Sa (C3) — Ge — St | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction | (B13) or (C1) s along Livin Iron (C4) n in Tilled Soi | ig Roots ils (C6) | | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) (C-Neutral Test (D5) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odo Oxidized Rhizosphere Presence of Reduced Recent Iron Reductior Stunted or Stressed P | (B13) (B13) or (C1) is along Livin Iron (C4) in Tilled Soi Plants (D1) (L | ig Roots ils (C6) | | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odo Oxidized Rhizosphere Presence of Reduced Recent Iron Reductior Stunted or Stressed P Other (Explain in Rem | (B13) (B13) or (C1) is along Livin Iron (C4) in Tilled Soi Plants (D1) (L | ig Roots ils (C6) | | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) (C-Neutral Test (D5) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odo Oxidized Rhizosphere Presence of Reduced Recent Iron Reductior Stunted or Stressed P Other (Explain in Rem | (B13) (B13) or (C1) is along Livin Iron (C4) in Tilled Soi Plants (D1) (L | ig Roots ils (C6) | | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed P Other (Explain in Rem | (B13) (B13) or (C1) is along Livin Iron (C4) in Tilled Soi Plants (D1) (L | ig Roots ils (C6) | | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) | | |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odo Oxidized Rhizosphere Presence of Reduced Recent Iron Reductior Stunted or Stressed P Other (Explain in Rem | (B13) (B13) or (C1) is along Livin Iron (C4) in Tilled Soi Plants (D1) (L | ig Roots ils (C6) | | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) | | |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odo Oxidized Rhizosphere Presence of Reduced Recent Iron Reductior Stunted or Stressed P Other (Explain in Rem Depth (inches): Depth (inches): | (B13) (B13) or (C1) is along Livin iron (C4) in Tilled Soi lants (D1) (L harks) | ilg Roots ils (C6) .RR A) Wetlan | | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) | | |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odo Oxidized Rhizosphere Presence of Reduced Recent Iron Reductior Stunted or Stressed P Other (Explain in Rem Depth (inches): Depth (inches): | (B13) (B13) or (C1) is along Livin iron (C4) in Tilled Soi lants (D1) (L harks) | ilg Roots ils (C6) .RR A) Wetlan | | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odo Oxidized Rhizosphere Presence of Reduced Recent Iron Reductior Stunted or Stressed P Other (Explain in Rem Depth (inches): Depth (inches): | (B13) (B13) or (C1) is along Livin iron (C4) in Tilled Soi lants (D1) (L harks) | ilg Roots ils (C6) .RR A) Wetlan | | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; c | Water-Stained Leaves MLRA 1, 2, 4A, an Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odo Oxidized Rhizosphere Presence of Reduced Recent Iron Reductior Stunted or Stressed P Other (Explain in Rem Depth (inches): Depth (inches): | (B13) (B13) or (C1) is along Livin iron (C4) in Tilled Soi lants (D1) (L harks) | ilg Roots ils (C6) .RR A) Wetlan | | ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) | | |
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OHWM Delineation Cover Sheet Page of Project: Abee Stadium Date: 8 yler Location: Eureha Investigator(s): Joseph **Project Description:** Upgrade existing athletic facilities within existing footprint Describe the river or stream's condition (disturbances, in-stream structures, etc.): stream drains wetland along the eastern side of the baseball field. Man-made feature constructed when ball field was constructed. -No flaving water present at time at site visit (8/19/20) **Off-site Information Remotely sensed image(s) acquired? Yes No** [If yes, attach image(s) to datasheet(s) and indicate approx. locations of transects, OHWM, and any other features of interest on the image(s); describe below] Description: Hydrologic/hydraulic information acquired? 🗌 Yes 📈 No [If yes, attach information to datasheet(s) and describe below.] Description: List and describe any other supporting information received/acquired: Instructions: Complete one cover sheet and one or more datasheets for each project site. Each datasheet should capture the dominant characteristics of the OHWM along some length of a given stream. Complete enough datasheets to adequately document up- and/or downstream variability in OHWM indicators, stream conditions, etc. Transect locations can be marked on a recent aerial image or their GPS coordinates noted on the datasheet.

Datasheet #

OHWM Delineation Datasheet

Page of

Transect (cross-section) drawing: (choose a location that is representative of the dominant stream characteristics over some distance; label the OHWM and other features of interest along the transect; include an estimate of transect length) - Rallfield. Lookino ollwm 20in 3in Break in Slope at OHWM: Sharp (> 60°) | Moderate (30–60°) | Gentle (< 30°) | None Notes/Description: channel with moderately sloping banks down to OHWM with is Small incised below. near Sediment Texture: Estimate percentages to describe the general sediment texture above and below the OHWM Cobbles Boulders Developed Soil Clav/Silt Gravel Sand Horizons (Y/N) 1 - 10 cm >10cm <0.05mm 0.05 - 2mm2mm - 1cm51 Above OHWM Below OHWM Extre area is built on fill, is not notive soil situation, however soil Notes/Description: horizons have developed above the offWM Vegetation: Estimate absolute percent cover to describe general vegetation characteristics above and below the OHWM Tree (%) Shrub (%) Herb (%) Bare (%) 00 litter Above OHWM R Below OHWM Trees and shruks are hang small stream. No herbaceous regetation was observed below the JOHWM. Notes/Description: Other Evidence: List/describe any additional field evidence and/or lines of reasoning used to support your delineation Drift/Wrach KNICL point Erosion /scow itter removal

OHWM Delineation Cover Sheet Page of Project: Albee Stadium Date: Som Polly Location: Eurema Investigator(s): **Project Description:** Upgrade existing athletic facilities within existing tootpring Describe the river or stream's condition (disturbances, in-stream structures, etc.): with substantial summer flow. Permial stream ream daylights approx. 18ft south of OHWM, within steep channel created be collapse of culvot (pieces still proset) on bubequet Prosión. **Off-site Information Remotely sensed image(s) acquired? Yes Xo** [If yes, attach image(s) to datasheet(s) and indicate approx. locations of transects, OHWM, and any other features of interest on the image(s); describe below] Description: Hydrologic/hydraulic information acquired? 🗌 Yes 🔯 No [If yes, attach information to datasheet(s) and describe below.] Description: List and describe any other supporting information received/acquired: Instructions: Complete one cover sheet and one or more datasheets for each project site. Each datasheet should capture the dominant characteristics of the OHWM along some length of a given stream. Complete enough datasheets to adequately document up- and/or downstream variability in OHWM indicators, stream conditions, etc. Transect locations can be marked on a recent aerial image or their GPS coordinates noted on the datasheet.

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| Datasheet # | OHWM Delineation Datasheet | Page <u>4</u> of <u>6</u> |
|-------------|---|---------------------------|
| | wing: (choose a location that is representative of the domin 'M and other features of interest along the transect; include | |
| | Benurte B | |

Moderate tasharp break in slope on left bank, gette an aight bank Sediment Texture: Estimate percentages to describe the general sediment texture above and below the OHWM **Developed Soil** Cobbles Boulders Clay/Silt Sand Gravel <0.05mm 1 - 10 cm >10cm Horizons (Y/N) 0.05 - 2mm2mm - 1cm5 95 X H Ø Above OHWM Ν Ø 0 5 Below OHWM Notes/Description: rbed, collapsed culvert Vegetation: Estimate absolute percent cover to describe general vegetation characteristics above and below the OHWM Tree (%) Shrub (%) Herb (%) Bare (%) 0 00 0 Above OHWM (Ø ን() 00 Below OHWM

6311

Break in Slope at OHWM: \Box Sharp (> 60°) \Box Moderate (30–60°) \Box Gentle (< 30°)

None None

Notes/Description:

Notes/Description;

Tree canopy extends our stream, shub cause extremely dose along P500

Other Evidence: List/describe any additional field evidence and/or lines of reasoning used to support your delineation

-Drift/wrach Erosion /Scovi Banh m. derattin

Page 5 of **OHWM Delineation Cover Sheet** Project: Albere Stadium Date: Location: Eureha, Investigator(s): upprade dristing athletic facilities within existing footprint **Project Description:** Describe the river or stream's condition (disturbances, in-stream structures, etc.): drains western sideot boschall field Stream - Feature likely created when bareball field was filled and constructed. - Sondy bluff soil easily croded, water flowing in September Off-site Information **Off-site Information** Remotely sensed image(s) acquired? Yes No [If yes, attach image(s) to datasheet(s) and indicate approx. locations of transects, OHWM, and any other features of interest on the image(s); describe below] Description: Hydrologic/hydraulic information acquired? Wes Ves [If yes, attach information to datasheet(s) and describe below.] Description: List and describe any other supporting information received/acquired: Instructions: Complete one cover sheet and one or more datasheets for each project site. Each datasheet should capture the dominant characteristics of the OHWM along some length of a given stream. Complete enough datasheets to adequately document up- and/or downstream variability in OHWM indicators, stream conditions, etc. Transect locations can be marked on a recent aerial image or their GPS coordinates noted on the datasheet.

Datasheet #

3

OHWM Delineation Datasheet

Page 6 of Transect (cross-section) drawing: (choose a location that is representative of the dominant stream characteristics over some distance; label the OHWM and other features of interest along the transect; include an estimate of transect length) oching Sondy bluffsoil. 30 2in Sharp (> 60°) \square Moderate (30–60°) \square Gentle (< 30°) Break in Slope at OHWM: None Notes/Description: beenly incised chame. OHWM has sharp break instope, with OHWM WH Sediment Texture: Estimate percentages to describe the general sediment texture above and below the OHWM Clay/Silt Sand Gravel Cobbles Boulders **Developed Soil** <0.05mm 0.05 - 2mm2mm - 1cm1-10 cm >10cm Horizons (Y/N) Above OHWM 10 1 23 Below OHWM PANT 73 0 Notes/Description: Abundet organic matrial above OHWM. Vegetation: Estimate absolute percent cover to describe general vegetation characteristics above and below the OHWM Tree (%) Shrub (%) Herb (%) Bare (%) 15 3 97 Above OHWM 50 50 Ø Below OHWM a Notes/Description: langing tree collect legetation below OHWM, except a No Other Evidence: List/describe any additional field evidence and/or lines of reasoning used to support your delineation - Inich Doin Drift/wrach -Rost exposure -Bank indercutting depasit

OHWM Delineation Cover Sheet Page of Project: Abee Date: aler Location: Fure Investigator(s): **Project Description:** athletic facilities within existing toutprint Describe the river or stream's condition (disturbances, in-stream structures, etc.): western side of drains bareball litions. **Off-site Information Remotely sensed image(s) acquired? Yes No** [If yes, attach image(s) to datasheet(s) and indicate approx. locations of transects, OHWM, and any other features of interest on the image(s); describe below] Description: Hydrologic/hydraulic information acquired? Yes No [If yes, attach information to datasheet(s) and describe below.] Description: List and describe any other supporting information received/acquired: Instructions: Complete one cover sheet and one or more datasheets for each project site. Each datasheet should capture the dominant characteristics of the OHWM along some length of a given stream. Complete enough datasheets to adequately document up- and/or downstream variability in OHWM indicators, stream conditions, etc. Transect locations can be marked on a recent aerial image or their GPS coordinates noted on the datasheet.

Q of 16 Datasheet # **OHWM Delineation Datasheet** Page Transect (cross-section) drawing: (choose a location that is representative of the dominant stream characteristics over some distance; label the OHWM and other features of interest along the transect; include an estimate of transect length) unstream phing -OHWM (26in) ted (sept. Break in Slope at OHWM: \Box Sharp (> 60°) \Box Moderate (30–60°) \Box Gentle (< 30°) None conditions, excavated linear drainage feature Notes/Description: naturalized conditions Sediment Texture: Estimate percentages to describe the general sediment texture above and below the OHWM Developed Soil Gravel Cobbles Boulders Clay/Silt Sand Horizons (Y/N) <0.05mm 0.05 - 2mm2mm - 1cm1 - 10 cm >10cm Ø 40 60 Ø N Above OHWM 3 \mathcal{O} Ø Below OHWM \cap Notes/Description: Excavated channel, sediment deposited. Vegetation: Estimate absolute percent cover to describe general vegetation characteristics above and below the OHWM Tree (%) Shrub (%) Herb (%) Bare (%) OOK Above OHWM Below OHWM Notes/Description: tes/Description: Herbaceous vegetation extends over the OHWM, however little herbaceous veg rooted below the OHWM. Tree canopy extends over stream Other Evidence: List/describe any additional field evidence and/or lines of reasoning used to support your delineation - + lowing water - Erosian /scow - Motor staining remara wrack

OHWM Delineation Cover Sheet Page of Project: Noer adium Date: Location: Evela Investigator(s): **Project Description:** existing athletic facilities within existing Describe the river or stream's condition (disturbances, in-stream structures, etc.): hillshope just and and spr Natural conditions pre-et - Water flowing at time of site visit (9/15/20) **Off-site Information Remotely sensed image(s) acquired?** Yes I No [If yes, attach image(s) to datasheet(s) and indicate approx. locations of transects, OHWM, and any other features of interest on the image(s); describe below] Description: Hydrologic/hydraulic information acquired? Yes No [If yes, attach information to datasheet(s) and describe below.] Description: List and describe any other supporting information received/acquired: Instructions: Complete one cover sheet and one or more datasheets for each project site. Each datasheet should capture the dominant characteristics of the OHWM along some length of a given stream. Complete enough datasheets to adequately document up- and/or downstream variability in OHWM indicators, stream conditions, etc. Transect locations can be marked on a recent aerial image or their GPS coordinates noted on the datasheet.

5 Page 0 of 6 **OHWM Delineation Datasheet** Datasheet # Transect (cross-section) drawing: (choose a location that is representative of the dominant stream characteristics over some distance; label the OHWM and other features of interest along the transect; include an estimate of transect length) DOWNE Break in Slope at OHWM: Sharp (> 60°) | Moderate (30–60°) | Gentle (< 30°) | None Notes/Description: Traced with flat bottom. Sleep ofradient Sediment Texture: Estimate percentages to describe the general sediment texture above and below the OHWM Boulders **Developed Soil** Clay/Silt Sand Gravel Cobbles <0.05mm 0.05 - 2mm2mm - 1cm1 - 10 cm >10cm Horizons (Y/N) 5 Ø Above OHWM P Ø 0 ()Below OHWM Lots of organic debris above NHWM Notes/Description: Organicables protot below OHWM on surface Vegetation: Estimate absolute percent cover to describe general vegetation characteristics above and below the OHWM Tree (%) Shrub (%) Herb (%) Bare (%) 50% ()× X 50 Above OHWM Q Below OHWM X α Notes/Description: stream verhanging small Other Evidence: List/describe any additional field evidence and/or lines of reasoning used to support your delineation - Drift/wrach - Eresion /scorr -Bank inderautina -Root exposure -Litter removal Low Market

-Sit deposit

Page **OHWM Delineation Cover Sheet** of 2020 Stadium Albee Date: Septa Project: twend Location: Investigator(s): **Project Description:** Existing athletic facilities with existing tootprint Describe the, river or stream's condition (disturbances, in-stream structures, etc.): that flows inder athletic facilities. - Prains to culvert - Stream spits approximately 20ft ystream from OHWM defineation. **Off-site Information Remotely sensed image(s) acquired?** Yes No [If yes, attach image(s) to datasheet(s) and indicate approx. locations of transects, OHWM, and any other features of interest on the image(s); describe below] Description: Hydrologic/hydraulic information acquired? Yes No [If yes, attach information to datasheet(s) and describe below.] Description: List and describe any other supporting information received/acquired: Instructions: Complete one cover sheet and one or more datasheets for each project site. Each datasheet should capture the dominant characteristics of the OHWM along some length of a given stream. Complete enough datasheets to adequately document up- and/or downstream variability in OHWM indicators, stream conditions, etc. Transect locations can be marked on a recent aerial image or their GPS coordinates noted on the datasheet.

Page Z of Datasheet # 6 **OHWM Delineation Datasheet** Transect (cross-section) drawing: (choose a location that is representative of the dominant stream characteristics over some distance; label the OHWM and other features of interest along the transect; include an estimate of transect length) osking upstree wetland Wetland 3 Gin OHWM 1.5 in above treld visit (2inder) Break in Slope at OHWM: Sharp (> 60°) Moderate (30–60°) None None Notes/Description: Sediment deposits below OHWM, slope ere ded at OHWM. Sediment Texture: Estimate percentages to describe the general sediment texture above and below the OHWM **Developed Soil** Boulders Clay/Silt Sand Gravel Cobbles Horizons (Y/N) <0.05mm 0.05 - 2mm2mm - 1cm1-10 cm >10cm 90 Much 0 Above OHWM 98 Below OHWM Notes/Description: High organic contest and Much reflecting surrounding welland * Above, OHWM anditions * Selan OHINM organis Vegetation: Estimate absolute percent cover to describe general vegetation characteristics above and below the OHWM Tree (%) Shrub (%) Herb (%) Bare (%) 25 15 ٧. Above OHWM Below OHWM 25 Notes/Description: Treesoverhang small stream Smiles overhang smallstream, no shrikes rooted below OHVM Other Evidence: List/describe any additional field evidence and/or lines of reasoning used to support your delineation -Drift/wrach -Bonh indercutting (immediately upstream of OHWM delineatin -Litter remaral -Shelving

Page 3 **OHWM Delineation Cover Sheet** of Project: Albee Stadum Date: Investigator(s): Location: **Project Description:** Upgrade existing athletic facilities with existing fatprint Describe the river or stream's condition (disturbances, in-stream structures, etc.): Cross cotion performed invediately above cilver ~ 50' abae shower have a good shape & relatively undisturbed in dease vegetation **Off-site Information** Remotely sensed image(s) acquired? Yes No [If yes, attach image(s) to datasheet(s) and indicate approx. locations of transects, OHWM, and any other features of interest on the image(s); describe below] Description: Hydrologic/hydraulic information acquired? Yes Yrs [If yes, attach information to datasheet(s) and describe below.] Description: List and describe any other supporting information received/acquired: Instructions: Complete one cover sheet and one or more datasheets for each project site. Each datasheet should capture the dominant characteristics of the OHWM along some length of a given stream. Complete enough datasheets to adequately document up- and/or downstream variability in OHWM indicators, stream conditions, etc. Transect locations can be marked on a recent aerial image or their GPS coordinates noted on the datasheet.

Datasheet # ____

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OHWM Delineation Datasheet

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| Transect (cross-se some distance; lab | | d other features of sheer bare bank- | | | ude an estimate o | | |
|---|--------------------|---|---------------------|-------------------|-------------------|----------------------------------|--|
| Break in Slope at OHWM: A Sharp (> 60°) Moderate (30-60°) Gentle (< 30°) None Notes/Description: Under cut band is lowest fortion of stream channel W/ plaw | | | | | | | |
| Sediment Texture | : Estimate perce | ntages to describ | | | ove and below the | | |
| | Clay/Silt | Sand 0.05 – 2mm | Gravel 2mm – 1cm | Cobbles | Boulders | Developed Soil Horizons (Y/N) | |
| | <0.05mm | 0.03 – 21111 | | 1 – 10cm | >10cm | | |
| Above OHWM | 8 | 80 | | A | 0 | h | |
| Below OHWM Notes/Description: | P | PC | 10 | V | | | |
| Notes/Description: Verj Sandy channe (Delow OHUM) Higher OM above OHUM | | | | | | | |
| Vegetation: Estin | nate absolute perc | cent cover to desc | cribe general veg | etation character | istics above and | below the OHWM | |
| | Tree (%) | Shrub (%) | Herb (%) | Bare (% | ó) | | |
| Above OHWM | 70 | Ð | 100 | Ð | | | |
| Below OHWM | 70 | Ø | Ø | 100 | | | |
| Notes/Description: | | | | | | | |
| Other Evidence: | | | evidence and/or] | ines of reasonin | g used to suppor | t your delineation | |
| · Scour & incision/Erastan | | | | | | | |
| - bank undercutting - Root exposure | | | | | | | |
| - banch undercrifting - Rost exposure - Silt deposit - Litter removal | | | | | | | |

| OHWM Delineation Cover Sheet Page 15 of 1 | 6 |
|---|-----|
| Project: Albee Stadium Date: 9/24/20 | |
| Location: Eureha (A Investigator(s): Joept Saler | |
| Project Description: Upgrade existing athletic facilities within existing footprint | |
| Describe the river or stream's condition (disturbances, in-stream structures, etc.): yestream from Athletic facilities, formul stream, moderately incised flowing through dense vegetation. An eroded check dam exists 100 ft yestream of OHWM travect. | 2 |
| Off-site Information | |
| Remotely sensed image(s) acquired? Yes No [If yes, attach image(s) to datasheet(s) and indicate approx. locations of transects, OHWM, and any other features of interest on the image(s); describe below] Description: | |
| | |
| Hydrologic/hydraulic information acquired? Yes X No [If yes, attach information to datasheet(s) and describelow.] Description: | ibe |
| | |
| | |
| No | |
| List and describe any other supporting information received/acquired: | |
| | |
| | |
| | |
| | |
| Instructions: Complete one cover sheet and one or more datasheets for each project site. Each datasheet should capture the dominant characteristics of the OHWM along some length of a given stream. Complete enough datasheets to adequately document up, and/or | |
| characteristics of the OHWM along some length of a given stream. Complete enough datasheets to adequately document up- and/or downstream variability in OHWM indicators, stream conditions, etc. Transect locations can be marked on a recent aerial image or their coordinates noted on the datasheet. | GPS |

| Datasheet | # | |
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| Datasheet # | ? | OHWM Delineation Datasheet | | | | Page <u>16</u> of <u>6</u> | |
|---|----------------------|-----------------------------------|---------------------|---------------------|-------------------|----------------------------------|--|
| Transect (cross-section) drawing: (choose a location that is representative of the dominant/stream characteristics over some distance; label the OHWM and other features of interest along the transect; include an estimate of transect length) | | | | | | | |
| Break in Slope at OHWM: Sharp (> 60°) Moderate (30-60°) Gentle (< 30°) None Notes/Description: - Marcut bank on left, OHVM at top of Marcut. | | | | | | | |
| - Slight bei | hon right | bank at 0 | HWM | | | | |
| Sediment Texture | e: Estimate perce | intages to describ | e the general sed | | | | |
| | Clay/Silt <0.05mm | Sand 0.05 – 2mm | Gravel 2mm – 1cm | Cobbles 1 – 10cm | Boulders >10cm | Developed Soil Horizons (Y/N) | |
| Above OHWM | 40 | 60 | Ø | Ð | Ø | Y | |
| Below OHWM | 3 | 97 | Ø | Ð | Ø | N | |
| Notes/Description: - Law of roots long and matter above DHWM - SMOY Joils below. | | | | | | | |
| Vegetation: Estir | nate absolute per | cent cover to desc | cribe general veg | etation characteri | istics above and | below the OHWM | |
| | Tree (%) | Shrub (%) | Herb (%) | | | | |
| Above OHWM | 30 | 30 | 50 | 50 | | | |
| Below OHWM | 30 | 3() | Ø | 100 | | | |
| Notes/Description | | | | | | | |
| - Trees everhang stream - Shrubs overhand stream | | | | | | | |
| Other Evidence: List/describe any additional field evidence and/or lines of reasoning used to support your delineation | | | | | | | |
| - Prift/w | rade | -Litter | anal | | | | |
| - Erosion/scow - Sitt deposit -Bank un dorcutting -Root exposure | | | | | | | |
| -Bank undercutting | | | | | | | |
| - Root explasi | ive I | | | | | | |
| -Point/bor | | | | | | | |
| -Water sta | phinks | | | | | | |

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