COASTAL WETLANDS DELINEATION REPORT

PRC 421 DECOMMISSIONING PROJECT GOLETA, SANTA BARBARA COUNTY

Project No. 2102-0251

Prepared for:

California State Lands Commission 100 Howe Avenue, Suite 100 South Sacramento, CA 95825

Prepared by:

Padre Associates, Inc. 1861 Knoll Drive Ventura, California 93003

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1.0 INTRODUCTION

This Coastal Wetlands Delineation Report has been prepared by Padre Associates, Inc. (Padre) on behalf of the California State Lands Commission for the PRC 421 Decommissioning Project (Project). This Report supplements the analysis provided in the Project's Environmental Impact Report (EIR). This Report has been developed to document coastal wetlands in areas that may be affected by implementation of the Project located in the western portion of the City of Goleta, California, along the shoreline immediately south of the Sandpiper Golf Course (see Project Overview Map).

1.1 PURPOSE AND NEED

The PRC 421 piers and facilities were installed in 1929 and 1930 for the purpose of oil and gas development of the Ellwood Oil Field. With the plugging of the last two wells remaining in the oilfield, the piers have no further use. The existing access road and supporting revetment would continue to be used for decommissioning activities of the piers, caissons, and pipelines and would also be subsequently decommissioned. These deteriorating structures now represent a physical coastal obstruction, a potential public safety hazard, and a potential environmental hazard represented by the known presence of hydrocarbon-impacted soil and fill contained within the pier caissons. The removal of these structures would be a significant public benefit, would allow full use of the beach coastline by the public, and would eliminate an existing threat to public safety and the environment.

1.2 PROJECT SUMMARY

The Project consists of two primary components, Component 1 and Component 2, followed by site restoration and cleanup. Component 1 of the Project includes the complete demolition and removal of the caissons and piers back to the existing seawall, removal of both well casings and capping the well down to the bedrock, and the abandonment in-place of production pipelines through the golf course to the Ellwood Onshore Facility (EOF). Component 2 involves the decommissioning and removal of the two pipelines that extend from the 421-1 pier area beneath the access road and the subsequent removal of the pier abutments, supporting rock revetment and wooden seawall beneath the access road along the bluff. The Project would be completed as follows:

1.2.1 Component 1

Staging/Access

- Setup construction staging areas
- Construction of a temporary access ramp

Caisson and Pier Removal

Removal of soil and fill inside both caissons down to the existing bedrock, including all
interior debris (buried timber, steel, and concrete support structures) in sequence with
the eastern, northern and west concrete and sheet pile walls.



- Cutting and removal of well casings down to existing bedrock elevation and installation of a final welded well cap.
- Removal of both caissons' southern (ocean side) external sheet pile, H-piles, and concrete walls including concrete footings.
- Full removal of both pier structures and supports to the bedrock interface.
- Flushing, isolating, and abandonment in place of the 2-inch-diameter and 6-inch-diameter pipelines beneath the golf course pipeline corridor to the EOF.

1.2.2 Component 2

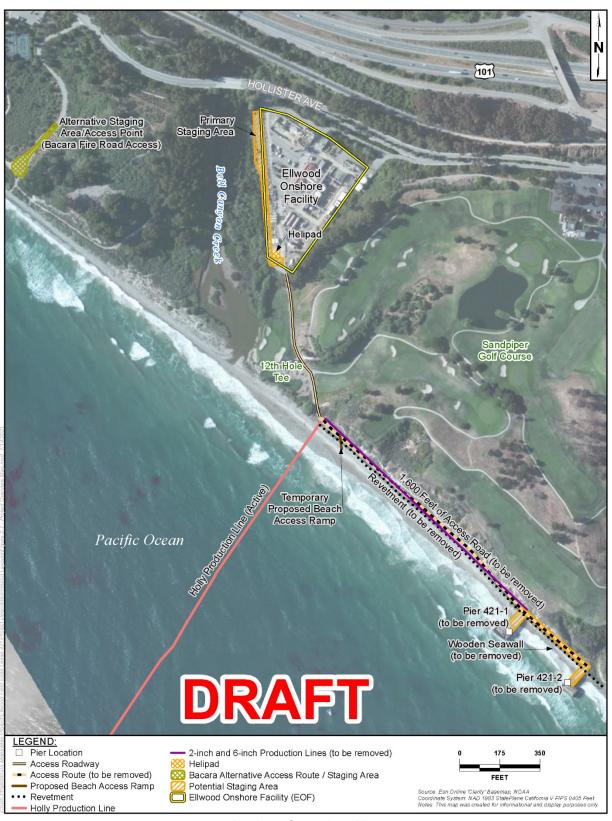
Access Roadway, Production Pipeline Abandonment/Removal, Pier Abutment and Sewall/Revetment Removal

- Decommissioning and removing the 2-inch-diameter and 6-inch-diameter pipelines beneath the access road
- Removal of the pier abutments, and supporting rock and wooden seawall revetments
- Excavate and slope the road area, where appropriate, to meet California Occupational Safety and Health (Cal/OSHA) allowable slopes

Final Site Restoration and Cleanup

Recycling and Disposal of Soils/Materials





Project Overview Map



2.0 REGULATORY SETTING

The term wetland is used to describe a particular landscape characterized by inundation or saturation with water for a sufficient duration to result in the alteration of physical, chemical, and biological elements relative to the surrounding landscape. Wetland areas are characterized by prevalence of vegetation typically adapted for life in saturated soil conditions.

2.1 FEDERAL REGULATIONS

Federal regulatory agencies with jurisdiction over wetlands include the U.S. Army Corps of Engineers (Corps) with authority to enforce two Federal regulations involving wetland preservation; the Clean Water Act (Section 404), which regulates the disposal of dredge and fill materials in waters of the U.S., and the Rivers and Harbors Act of 1899 (Section 10), which regulates diking, filling, and placement of structures in navigable waterways.

Under Corps and U.S. Environmental Protection Agency regulations, wetlands are defined as:

"those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas."

2.2 STATE OF CALIFORNIA REGULATIONS

State regulatory agencies with jurisdiction over wetlands include the State Water Quality Control Board that enforces compliance with the Federal Clean Water Act (Section 401) regulating water quality and the California Coastal Commission (CCC), which regulates development within the coastal zone as stipulated in the California Coastal Act (Sections 30230, 30231, 30233, and 30240 apply to preservation and protection of wetlands).

The Coastal Commission's regulations establish a "one parameter definition" that only requires evidence of a single parameter to establish coastal wetland conditions:

Wetland shall be defined as land where the water table is at, near, or above the land surface long enough to promote the formation of hydric soils or to support the growth of hydrophytes, and shall also include those types of wetlands where vegetation is lacking and soil is poorly developed or absent as a result of frequent and drastic fluctuations of surface water levels, wave action, water flow, turbidity or high concentrations of salts or other substances in the substrate. Such wetlands can be recognized by the presence of surface water or saturated substrate at some time during each year and their location within, or adjacent to, vegetated wetlands or deep-water habitats. (14 CCR Section 13577).

The Coastal Commission's regulations provide general decision rules for establishing the upland boundary of coastal wetlands:

• The boundary between land with predominantly hydrophytic cover and land with predominantly mesophytic or xerophytic cover.



- The boundary between soil that is predominantly hydric and soil that is predominantly nonhydric; or
- In the case of wetlands without vegetation or soils, the boundary between land that is flooded or saturated at some time during years of normal precipitation, and land that is not (14 CCR Section 13577).

3.0 FIELD METHODS

Field methods were taken from the Arid West Supplement to the Corps of Engineers Wetland Delineation Manual.

3.1 SURVEY AREA

The survey area was selected to encompass all areas that may be affected by decommissioning activities, including:

- Caissons
- Access roadway
- Rock revetment
- Potential beach work areas and access routes.

3.2 HYDROPHYTIC VEGETATION

Vegetation of the survey area was assessed in coordination with preparation of the Project's EIR. A botanical survey of the Project site was conducted on August 2, 2021, and a plant list developed following this survey is provided as Attachment A. All areas supporting hydrophytes were inspected and sampled when needed to verify hydrophytic status. The location of each sample point is provided on attached EIR Figures 4.3-4 and 4.3-5.

The dominance of hydrophytic vegetation was determined at each sample point, dominant plant species within each stratum (tree, sapling/shrub, herbaceous, and woody vine) at the sample point location were identified using The Jepson Manual (second edition). The hydrophytic indicator status of the species was determined in accordance with the 2018 National Wetland Plant List, Arid West Region as facultative (FAC), facultative-wetland (FACW) or obligate (OBL) wetland species. The vegetation was then analyzed using the dominance test to determine if greater than 50 percent of the dominant species were hydrophytic and the prevalence index calculation to determine if the prevalence index was less than or equal to 3.0. Wetland Determination Data Forms are provided in Attachment B for each sample point.

3.3 WETLAND HYDROLOGY

Wetland hydrology was examined in areas not already considered coastal wetlands based on hydrophytic vegetation. Hydrologic characteristics of the sample points were evaluated by identifying evidence of inundation, and the presence of surface water, soil saturation, sediment deposits/sorting, salt crusts, drift deposits and local drainage patterns.



3.4 HYDRIC SOILS

Soil information (including excavation of soil pits) was not collected because it was not needed to delineate the extent of coastal wetlands at the Project site.

4.0 COASTAL WETLANDS DELINEATION RESULTS

4.1 HYDROPHYTIC VEGETATION

Hydrophytic plant species found within the survey area are listed in Table 1. Most sampling points that met either the dominance or prevalence test for hydrophytic vegetation along the access roadway supported a mixture of quail bush and salt-grass or alkali heath.

Table 1. Hydrophytic Plant Species of the Survey Area

Common Name	Scientific Name	Hydrophytic Status*	Sample Points Where Found
Brass buttons	Cotula coronopifolia	OBL	1,4
Bristly ox-tongue	Helminthotheca echioides	FAC	1,5
Fat-hen	Atriplex prostrata	FACW	1
Salt-grass	Distichlis spicata	FAC	1,3,4,10,11,12,13,14,15,16,19
Broad-leaf cattail	Typha latifolia	OBL	2
Southern cattail	Typha domingensis	OBL	2
Parish's glasswort	Arthrocnemum subterminale	FACW	3
Rabbit's foot grass	Polypogon monspelienesis	FACW	4,5,9,14,17
Quail bush	Atriplex lentiformis	FAC	4,5,6,7,8,9,10,11,12,13,14,15,17
Saltmarsh sand-spurrey	Spergularia marina	OBL	4
Alkali heath	Frankenia salina	FACW	5,6,7,8,10
California bulrush	Schoenoplectus californicus	OBL	18
Sea-coast bulrush	Bolboschoenus robustus	OBL	18,19
Fleshy jaumea	Jaumea carnosa	OBL	19

^{*}Listed as OBL (obligate wetland: almost always occurs in wetlands, >99% probability); FACW (facultative-wetland: usually occurs in wetlands, 67-99% probability); FAC (facultative: equally likely to occur in wetlands or non-wetlands, 34-66% probability)



4.2 WETLAND HYDROLOGY

Wetland hydrology indicators were found only at the following sample points:

- Sample point 1 near the EOF back fence (surface water and soil saturation).
- Sample point 2 north of Pier 421-2 (surface water and soil saturation).
- Sample point 4 at the terminus of the access roadway (surface water, soil saturation and salt deposits).
- Sample point 14 along the access road (soil saturation).
- Sample point 18 on the beach (surface water and soil saturation).
- Sample point 19 at the Bell Canyon Creek estuary (soil saturation).

4.3 COASTAL WETLANDS DELINEATION RESULTS

The coastal wetlands delineation results at each of the sample points is summarized in Table 2. Areas meeting the coastal wetlands definition (sum of all areas exhibiting dominance by hydrophytic vegetation and indicators of wetland hydrology) are mapped on the attached EIR Figures 4.3-4 and 4.3-5 and the area of each wetland polygon is quantified in Table 3. A total of 0.417 acres of coastal wetlands were found within the survey area.

Table 2. Wetlands Sample Point Data Summary

Sample Point no.	Location	Hydrophytic Vegetation Criterion met?	Wetland Hydrology Criterion met?	Coastal Wetland?
1	Depression near EOF back fence	Yes	Yes	Yes
2	North of Pier 421-2	Yes	Yes	Yes
3	Caisson 421-2 fill	Yes	No	Yes
4	Access road terminus near 421-2 Pier	Yes	Yes	Yes
5	Access roadway, bluff toe	Yes	No	Yes
6	Top of rock revetment slope	Yes	No	Yes
7	Bluff toe along access roadway	Yes	No	Yes
8	Bluff toe along access roadway	Yes	No	Yes
9	Access roadway and top of rock revetment slope	Yes	No	Yes
10	Bluff toe along access roadway	Yes	No	Yes
11	Top of rock revetment slope	Yes	No	Yes
12	Top of rock revetment slope	Yes	No	Yes
13	Bluff toe along access roadway	Yes	No	Yes
14	Bluff toe along access roadway	Yes	Yes	Yes
15	Top of rock revetment slope	Yes	No	Yes



Sample Point no.	Location	Hydrophytic Vegetation Criterion met?	Wetland Hydrology Criterion met?	Coastal Wetland?
16	Rock revetment slope	Yes	No	Yes
17	Bluff toe along access roadway	Yes	No	Yes
18	On beach at irrigation run-off discharge	Yes	Yes	Yes
19	Bell Canyon Creek estuary	Yes	Yes	Yes

Table 3. Wetlands Delineation Results

Wetland no.	Location	Area (acres)
W-1	Depression near EOF back fence	0.005
W-2	North of Pier 421-2	0.117
W-3	Caisson 421-2 fill	0.003
W-4	Access road terminus near 421-2 Pier	0.037
W-5	Access roadway, bluff toe	0.007
W-6	Top of rock revetment slope	0.002
W-7	Bluff toe along access roadway	0.004
W-8	Bluff toe along access roadway	0.006
W-9	Access roadway and top of rock revetment slope	0.003
W-10	Bluff toe along access roadway	0.026
W-11	Top of rock revetment slope	0.002
W-12	Top of rock revetment slope	0.006
W-13	Bluff toe along access roadway	0.001
W-14	Bluff toe along access roadway	0.004
W-15	Top of rock revetment slope	0.002
W-16	Rock revetment slope	0.002
W-17	Bluff toe along access roadway	0.003
W-18	On beach at irrigation run-off discharge	0.007
W-19	Bell Canyon Creek estuary	0.18*
Total		0.417

^{*}Saltmarsh area near beach





ATTACHMENT A

VASCULAR PLANT FLORA OBSERVED IN THE VICINITY OF THE PRC 421 DECOMMISSIONING PROJECT SITE, GOLETA, CALIFORNIA

Attachment A

Vascular Plant Flora Observed in the Vicinity of the PRC 421 Decommissioning Project Site, Goleta, California

				Wetland	Invasiveness
Scientific Name	Common Name	Habit	: Family	Status	Rating
Abronia umbellata var. umbellatta	Sand-verbena	PH	Nyctaginaceae	*	
Agrostis exarata	Western bent-grass	PG	Poaceae	FACW	
Ambrosia chamissonis	Beach bur	S	Asteraceae	*	
Ambrosia psilostachya	Western ragweed	PH	Asteraceae	FACU	
Artemisia californica	California sagebrush	S	Asteraceae	*	
Arthrocnemum subterminale	Parish's glasswort	PH	Chenopodiaceae	FACW	
Arundo donax*	Giant reed	PG	Poaceae	FACW	High
Asparagus asparagoides*	Wild aparagus	PV	Asparagaceae	*	
Atriplex lentiformis	Big saltbush	S	Chenopodiaceae	FAC	
Atriplex leucophylla	Beach saltbush	S	Chenopodiaceae	FAC	
Atriplex prostrata*	Fat-hen	AH	Chenopodiaceae	FACW	
Atriplex semibaccata*	Australian saltbush	PH	Chenopodiaceae	FAC	Moderate
Baccharis pilularis	Coyote brush	S	Asteraceae	*	
Baccharis salicifolia	Mule fat, seep-willow	S	Asteraceae	FAC	
Bolboschoenus robustus	Sea-coast bulrush	PH	Cyperaceae	OBL	
Brassica rapa*	Field mustard	AH	Brassicaceae	FACU	Limited
Bromus catharticus var. catharticus*	Rescue grass	AG	Poaceae	*	
Bromus diandrus*	Ripgut grass	AG	Poaceae	*	Moderate
Bromus hordeaceus*	Soft chess	AG	Poaceae	FACU	Limited
Bromus rubens*	Red brome	AG	Poaceae	UPL	High
Cakile maritima*	Sea rocket	AH	Brassicaceae	FAC	
Camissoniopsis cheiranthifolia ssp. cheiranthifolia	Beach primrose	PH	Onagraceae	*	
Carduus pycnocephalus*	Italian thistle	AH	Asteraceae	*	Moderate
Carpobrotus edulis*	Hottentot fig	PH	Aizoaceae	*	High
Chenopodium macrospermum*	Chenopodium	AH	Chenopodiaceae	FACW	
Clematis ligusticifolia	Virgin's bower	PV	Ranunculaceae	FAC	
Conium maculatum*	Poison hemlock	PH	Apiaceae	FACW	Moderate
Cotula coronopifolia*	Brass buttons	AH	Asteraceae	OBL	Limited
Cynodon dactylon*	Bermuda grass	PG	Poaceae	FACU	Moderate
Datura wrightii	Jimsonweed	PH	Solanaceae	UPL	
Delairea odorata*	Cape ivy	PV	Asteraceae	FAC	High
Distichlis spicata	Salt grass	PG	Poaceae	FAC	•
Elymus condensatus	Giant wild rye	PG	Poaceae	*	
Encelia californica	California bush sunflower	S	Asteraceae	*	
Erigeron canadensis	Horse-weed	AH	Asteraceae	FACU	
Eriogonum parvifolium	Seacliff wild buckwheat	S	Polygonaceae	*	
Erodium cicutarium*	Redstem filaree	AH	Geraniaceae	*	Limited
Eucalyptus globulus*	Blue gum	Т	Myrtaceae	*	Limited
Euphorbia maculata*	Spotted spurge	AH	Euphorbiaceae	UPL	
Festuca perennis*	Italian rye-grass	AG	Poaceae	FAC	Moderate
Foeniculum vulgare*	Sweet-fennel	PH	Apiaceae	*	Moderate
Frankenia salina	Alkali heath	S	Frankeniaceae	FACW	

Attachment A

Vascular Plant Flora Observed in the Vicinity of the PRC 421 Decommissioning Project Site, Goleta, California

				Wetland	Invasiveness
Scientific Name	Common Name	Habit	Family	Status	Rating
Heliotropium curassivicum var. oculatum	Seaside heliotrope	PH	Boraginaceae	FACU	
Helminthotheca echioides*	Bristly ox-tongue	AH	Asteraceae	FAC	Limited
Hesperocyparis macrocarpa**	Monterey cypress	Т	Cupressaceae	*	
Hirschfeldia incana*	Summer mustard	BH	Brassicaceae	*	Moderate
Isocoma menziesii var. menziesii	Coastal golden-bush	S	Asteraceae	*	
Jaumea carnosa	Fleshy jaumea	PH	Asteraceae	OBL	
Lactuca serriola*	Prickly lettuce	AH	Asteraceae	FACU	
Malacothrix saxatilis var. saxatilis	Cliff malacothrix	PH	Asteraceae	*	
Malva parviflora*	Cheese-weed	AH	Malvaceae	*	
Malvella leprosa	Alkali mallow	AH	Malvaceae	FACU	
Melilotus albus*	White sweet-clover	PH	Fabaceae	*	
Melilotus indicus*	Sour-clover	BH	Fabaceae	FACU	
Myoporum laetum*	Myoporum	T	Scrophulariaceae	FACU	Moderate
Nicotiana glauca*	Tree tobacco	S	Solanaceae	FAC	Moderate
Opuntia littoralis	Coast prickly-pear	S	Cactaceae	*	
Paspalum dilatatum*	Dallis grass	PG	Poaceae	FAC	
Pennisetum clandestinum*	Kikuyu grass	PG	Poaceae	*	Limited
Phoenix canariensis**	Canary Island date palm	T	Arecaceae	*	
Plantago coronopus*	Plantain	AH	Plantaginaceae	FAC	
Platanus racemosa	Western sycamore	Т	Plantanaceae	FAC	
Polygonum aviculare*	Knot-weed	AH	Polygonaceae	FAC	
Polypogon monspeliensis*	Annual beard grass	AG	Poaceae	FACW	Limited
Portulaca oleracea*	Purslane	AH	Portulacaceae	FAC	
Pseudognaphalium luteoalbum*	Weedy cudweed	BH	Asteraceae	FAC	
Quercus agrifolia var. agrifolia	Coast live oak	Т	Fagaceae	*	
Ricinus communis*	Castor bean	S	Euphorbiaceae	FACU	Limited
Rosa californica	California wildrose	S	Rosaceae	FAC	
Rubus ursinus	California blackberry	PV	Rosaceae	FAC	
Rumex crispus*	Curly dock	PH	Polygonaceae	FAC	Limited
Salix lasiolepis	Arroyo willow	Т	Salicaceae	FACW	
Salsola tragus*	Russian thistle	AH	Chenopodiaceae	FACU	Limited
Schoenoplectus californicus	California bulrush	PH	Cyperaceae	OBL	
Scrophularia californica	California figwort	PH	Scrophulariaceae	FAC	
Solanum douglasii	White nightshade	AH	Solanaceae	FAC	
Solanum xanti	Purple nightshade	PH	Solanaceae	*	
Sonchus oleraceus*	Common sow thistle	AH	Asteraceae	UPL	
Spegularia bocconi*	Boccone's sand-spurrey	AH	Caryophyllaceae	FACW	
Spergularia marina	Saltmarsh sand-spurrey	AH	Caryophyllaceae	OBL	
Tamarix ramosissima*	Salt cedar	Т	Tamaricaceae	*	High
Tetragonia tetragoniodes*	New Zealand spinach	AH	Aizoaceae	*	Limited
Toxicodendron diversilobum	Poison oak	S	Anacardiaceae	FACU	
		š			

Attachment A Vascular Plant Flora Observed in the Vicinity of the PRC 421 Decommissioning Project Site, Goleta, California

				Wetland	Invasiveness
Scientific Name	Common Name	Habit	Family	Status	Rating
Typha domingensis	Southern cattail	S	Typhaceae	OBL	
Washingtonia robusta*	Mexican fan palm	T	Arecaceae	FACW	Moderate
Xanthium strumarium	Cockle-bur	AH	Asteraceae	FAC	

Notes:

Scientific nomenclature follows The Jepson Manual Second Edition (Baldwin et al., 2012), including supplements (old names in brackets).

An "**" indicates non-native species which have become naturalized or persist without cultivation.

An "**" indicates species which have been planted and may not persist without cultivation.

Habit Definitions:

AF = annual fern or fern ally.

AG = annual grass. AH = annual herb.

BH = biennial herb.

PF = perennial fern or fern ally.

PG = perennial grass.

PH = perennial herb.

PV = perennial vine.

S = shrub.

T = tree.

Invasiveness Rating from the online database of the California Invasive Plant Council

Wetland Status from Arid West 2018 Regional Wetland Plant List

OBL - Obligate wetland: almost always occurs in wetlands (>99% probability) FACW - Facultative-Wetland: usually occurs in wetlands (67-99% probability)

FAC - Facultative: equally likely to occur in wetlands or non-wetlands (34-66% probability)

FACU - Facultative-Upland: usually occurs in non-wetlands (1-33% probability)

UPL - Upland: almost always occurs in non-wetlands (>99% probability)

*: not addressed in the wetland plant list, non-wetland species

ATTACHMENT B

WETLAND DETERMINATION DATA FORMS

	***			- Arid West Region
Project/Site: PRC 421 Decomm.				2.0
Applicant/Owner: State Canbs 6	ommi	ssion	١	State: CT Sampling Point:
		Section, To		
Landform (hillslope, terrace, etc.): Tirra ce		Local relief	(concave, c	convex, none): 1010 Slope (%):
Subregion (LRR): LCP-C	_ Lat: <u>3</u>	4.430	0.7	Long: 11 9, 91186 Datum:
Soil Map Unit Name: Milpitas - Positas to	R Jand	y lon	m	NWI classification: NWI
Are climatic / hydrologic conditions on the site typical for this	time of ye	ar? Yes	V No_	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologys	ignificantly	disturbed?	Are "	Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrologyn	aturally pro	blematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	sampling	g point lo	ocations, transects, important features, etc.
Hydric Soil Present? Yes N	o	with	e Sampled in a Wetlan Co USTA	rd? Yes No
Located at	ED	F b	nek	gate
VEGETATION – Use scientific names of plan	ts.			
Tree Stratum (Plot size: 10 m diameter 1. Euchyptus globulus	Absolute % Cover	Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.				Total Number of Dominant
3			-	Species Across All Strata: (B)
4	100	= Total Co		Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	100	_= Total Co	ver	That Are OBL, FACW, or FAC:
1				Prevalence Index worksheet:
2.				Total % Cover of:Multiply by:
3.				OBL species 30 x1= 30
4	-			FACW species 5 x2= 10
5				FAC species 65 x3 = 19
Herb Stratum (Plot size: 3 m. dramster		_= Total Co	ver	FACU species x4= y00 x5= 500
1. Cotala coronocitola	30	401	OBL	Of E apecies V
2. Helmorthotheca echioides	40	461	FAR	Column Totals: 200 (A) (B)
3. Atopies prostrate	5	No	FACU	Prevalence Index = B/A =
4. Distichlis spicata	25	Yes	FAC	Hydrophytic Vegetation Indicators:
5.				✓ Dominance Test is >50%
6	-			Prevalence Index is ≤3.01
7				Morphological Adaptations¹ (Provide supporting
8				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)	100	_ ≈ Total Co	ver	(CAPIGNATION TO THE PROPERTY (CAPIGNATION (CAPIGNATION)
1				¹ Indicators of hydric soil and wetland hydrology must
2.				be present, unless disturbed or problematic.
		_ = Total Co	ver	Hydrophytic
% Bare Ground in Herb Stratum % Cove	r of Biotic C	rust		Vegetation Present? Yes No No
Remarks:				

Profile Description: (Describe to the depth nee	ded to document the indicator or co	onfirm the absence of indicators
		offinition the absence of indicators.)
	Redox Features	
(inches) Color (moist) % Col	lor (moist) % Type¹ Lo	oc ² Texture Remarks
	The state of the s	
	Francisco Control Cont	***************************************
Type: C=Concentration, D≕Depletion, RM=Reduc	ed Matrix, CS=Covered or Coated Sa	nd Grains. ² Location: PL≕Pore Lining, M≕Matrix.
Hydric Soil Indicators: (Applicable to all LRRs,	unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	Carlo 4074 FO 1980 No. 20 MA AND 1974 NO. 20
Thick Dark Surface (A12)	Redox Depressions (F8)	3Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	*	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре:		
Depth (inches):		Hydric Soil Present? Yes No
VDDOL OOV		11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
Vetland Hydrology Indicators:	s all that apply)	Secondary Indicators (2 or more required)
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check	c all that apply) _ Salt Crust (B11)	
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check Surface Water (A1)	_ Salt Crust (B11)	Water Marks (B1) (Riverine)
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check Surface Water (A1) High Water Table (A2)	_ Salt Crust (B11) _ Biotic Crust (B12)	Water Marks (B1) (Riverine)Sediment Deposits (B2) (Riverine)
Vetland Hydrology Indicators: Infrary Indicators (minimum of one required; check Surface Water (A1) High Water Table (A2) Saturation (A3)	_ Salt Crust (B11) _ Biotic Crust (B12) _ Aquatic Invertebrates (B13)	Water Marks (B1) (Riverine)Sediment Deposits (B2) (Riverine)Drift Deposits (B3) (Riverine)
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Vetland Hydrology Indicators: Irinary Indicators (minimum of one required; check Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2)
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) is (C6) Saturation Visible on Aerial Imagery (C
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) is (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) is (C6) Saturation Visible on Aerial Imagery (C
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Vater Table Present? Yes No Saturation Present? Yes No Saturation Present? Yes No Concludes capillary fringe) Describe Recorded Data (stream gauge, monitoring	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) is (C6) Saturation Visible on Aerial Imagery (Castration Visible on Aerial I
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Vater Table Present? Yes No Saturation Present? Yes No Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) is (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No

WETLAND DETE	RMINATIO	ON DATA FORM	- Arid West Region
Project/Site: PRC 421 DCCOMM	Mignin	gity/County: <u>Go</u>	eta Sampling Date: 8/23/2
Applicant/Owner: State Canby			State: CA Sampling Point:
-k A:		Section, Township, R	211 0 2 011
Landform (hillslope, terrace, etc.): Thora ce		Local relief (concave	
Subregion (LRR): LRP C	Lat: '3'		Long: 119,90756 Datum:
	7	1	NWI classification:
Con Map One Hanto. 1 191 1913		1 1/	
Are climatic / hydrologic conditions on the site typical for the		88 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology			"Normal Circumstances" present? Yes V No
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (If r	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present?	No		
	No	Is the Sample	
	No	within a Wetla	
Remarks:		(Conjin	<i>a</i> j
2005 m.			
Cat	fail	Marth	
		· · · · · · · · · · · · · · · · · · ·	
VEGETATION – Use scientific names of plan		Deminant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Indicator Species? Status	
1,			That Are OBL, FACW, or FAC:(A)
2.			Total Number of Dominant
3.			Species Across All Strata: (B)
4.			Percent of Dominant Species
		= Total Cover	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size:)			Prevalence Index worksheet:
1			
2			OBL species 100 x1= 100
3			FACW species x 2 =
4			FAC species x 3 =
5		= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: 3 m. dispuncter		- 10ta 0010	UPL species x 5 =
1. Typha latifolia	60	yes OBC	- Column Totals: (Oo (A) 100 (B)
2. Typha dominguensis	40	YES OUT	Prevalence Index = B/A =
3			- /
4			Hydrophytic Vegetation Indicators:
5,			Dominance Test is >50% Prevalence Index is ≤3.0⁴
6,			Morphological Adaptations ¹ (Provide supporting
7			data in Remarks or on a separate sheet)
8,	-100	_ = Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	100	_= Total Cover	
1			¹ Indicators of hydric soil and wetland hydrology must
2.			be present, unless disturbed or problematic.
		_ = Total Cover	Hydrophytic
W Para Craund in Uash Civatium		Crust	Vegetation Present? Yes No
77 2 31 7 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	or or plotte (A GOL	100
Remarks:			

Profile Description: (Describe to the dep Depth Matrix			
(Inches) Color (moist) %	Redox Features Color (moist) % Type ¹ Lo	c ² Texture Remarks	
	Type Li	Totals Total	***************************************
		250 ASSULIS 27 OF STREET	1000
Type: C=Concentration, D=Depletion, RM:	=Reduced Matrix, CS=Covered or Coated Sa	nd Grains. ² Location: PL=Pore Lining, M=Mat	rix.
ydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils	3.
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)	
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)	
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)	
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)	
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)	
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	(
_ Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)		
Thick Dark Surface (A12)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and	
_ Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,	
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.	
estrictive Layer (if present):		The state of the s	
		1	
Type: Depth (inches):		Hydric Soil Present? Yes No	
Type:		Hydric Soil Present? Yes No	
Type:		Hydric Soil Present? Yes No	***************************************
Type:		Hydric Soil Present? Yes No	
Type:		Hydric Soil Present? Yes No	
Type:		Hydric Soil Present? Yes No	
Type:		Hydric Soil Present? Yes No	***************************************
Type:		Hydric Soil Present? Yes No	
Type:			
Type: Depth (inches): emarks: /DROLOGY fetland Hydrology Indicators: imary indicators (minimum of one required)	i; check all that apply)	Secondary Indicators (2 or more requ	
Type: Depth (inches): emarks: TDROLOGY Tetland Hydrology Indicators: imary indicators (minimum of one required Surface Water (A1)	I; check all that apply)Salt Crust (B11)	Secondary Indicators (2 or more requ — Water Marks (B1) (Riverine)	lired)
Type:	I; check all that apply) Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more requ — Water Marks (B1) (Riverine) — Sediment Deposits (B2) (Riverin	lired)
Type:	l; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more requ — Water Marks (B1) (Riverine)	lired)
Type:	I; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more requ Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)	lired)
Type:	I; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more requ Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)	lired)
Type:	I; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more requested in the secondary Indicators (2 or more requested in the secondary Indicators (2 or more requested in the secondary Indicators (B1) (Riverine) — Drift Deposits (B3) (Riverine) — Drainage Patterns (B10) Roots (C3) — Dry-Season Water Table (C2)	lired)
Type:	I; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil	Secondary Indicators (2 or more requestions) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)	e)
Type:	I; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil	Secondary Indicators (2 or more required with the content of the c	ired)
Type:	d; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil	Secondary Indicators (2 or more requested in the control of the co	e)
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Depth (inches): emarks: Depth (inches): emarks: DROLOGY Petland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) eld Observations:	d; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more requested in the control of the co	ired)
Depth (inches): emarks: DROLOGY Tetland Hydrology Indicators: imary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) eld Observations: Inface Water Present? Yes	I; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more requested in the control of the co	ired)
Depth (inches): emarks: Depth (inches): emarks: DROLOGY Tetland Hydrology Indicators: imary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Tetlace Water Present?	Salt Crust (B11) — Biotic Crust (B12) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) — Other (Explain in Remarks)	Secondary Indicators (2 or more required water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Image Shallow Aquitard (D3) FAC-Neutral Test (D5)	ired)
Depth (inches): Depth (inches): Demarks: De	Salt Crust (B11) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more requested in the control of the co	e)
Type:	I; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more requested and secondary Indicators (e)
Type:	Salt Crust (B11) — Biotic Crust (B12) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) — Other (Explain in Remarks)	Secondary Indicators (2 or more requested and secondary Indicators (e)
Type:	I; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more requested and secondary Indicators (e)
Type:	I; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more requested and secondary Indicators (e)
Depth (inches): Depth (inches): Demarks: De	I; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more requested and secondary Indicators (e)

WETLAND DETERMINATION D	DATA FORM – Arid West Region
Project/Site: PRC 421 De commussioner gilyo	ounty: Goleta Sampling Date: 8/23/21
Applicant/Owner: State Cand Commissi	On State: CA Sampling Point: 3
	on, Township, Range: 74N R29W
Landform (hillslope, terrace, etc.): There are Local	relief (concave, convex, none): 10/0 Slope (%):
Subregion (LRR): LRP C Lat: 34.	12506 Long: 119 90973 Datum:
Soil Map Unit Name: Beaches	NWI classification: MZ US N
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 V No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	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	(Coastal)
Remarks:	
Caisson Fill 0 421-2	
VEGETATION – Use scientific names of plants.	
	ninant Indicator Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:)	indiffice of Dollariant Species (A)
3.	Total Number of Dominant Species Across All Strata: (B)
4, = To	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size:)	
1	Total 9/ Cover of Multiply by
3	ORIi.
4.	FACW species 50 x2= 100
5	FAC species 20 x3 = 60
Herb Stratum (Plot size: 3 m. Stameter == To	otal Cover FACU species x 4 =
1. Distibilis spicate Zo 4	PAC UPL species x5= Column Totals: (O) (A) 220 (B)
2. Arthrocnemum subterminale 80 4	an tall
3.	Prevalence Index = B/A = Z, Z Hydrøphytic Vegetation Indicators:
4	Dominance Test is >50%
6.	Prevalence index is ≤3.0¹
7	Morphological Adaptations¹ (Provide supporting
8.	Problematic Hydrophytic Vegetation (Evoluin)
Wester Vine Stretum (Diotolice)	otal Cover
Woody Vine Stratum (Plot size:) 1	¹ Indicators of hydric soil and wetland hydrology must
2.	be present, unless disturbed or problematic.
= To	otal Cover Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Crust	
Remarks:	

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Profile Description: (Desc Depth Mat			Features	or committee at	e ansence c	of indicators.
Depth Mat (inches) Color (mois		olor (moist)	% Type ¹	Loc2	Texture	Remarks
		olo: (Molot)			TOXIGIG	Konako
			·			
······						
MS138990 M						
				_		
		-				
						
Type: C=Concentration, D=	Depletion, RM=Redu	ced Matrix. CS	Covered or Coated	Sand Grains	i loca	tion: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Ap	plicable to all LRRs	, unless other	vise noted.)			or Problematic Hydric Soils ³ :
Histosol (A1)		Sandy Redo				ick (A9) (LRR C)
Histic Epipedon (A2)	-	Stripped Mat		1		ick (A10) (LRR B)
Black Histic (A3)		_ Loamy Muck	y Mineral (F1)			d Vertic (F18)
Hydrogen Sulfide (A4)	_		ed Matrix (F2)		Red Par	ent Material (TF2)
Stratified Layers (A5) (LI	RR C)	Depleted Ma	trix (F3)		Other (E	xplain in Remarks)
1 cm Muck (A9) (LRR D)		_ Redox Dark				
Depleted Below Dark Su			rk Surface (F7)			
Thick Dark Surface (A12	O	Redox Depre				f hydrophytic vegetation and
Sandy Mucky Mineral (S		_ Vernal Pools	(F9)			ydrology must be present,
Sandy Gleyed Matrix (S4					uniess dis	turbed or problematic.
Restrictive Layer (if presen	•				10.541100	
Type:					1000000	
		· · · · · · · · · · · · · · · · · · ·		Н	ydric Soil P	resent? Yes No
Type: Depth (inches): Remarks:				Н	lydric Soil P	resent? Yes No
Type: Depth (inches): Remarks:				Н	lydric Soil P	resent? Yes No
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicate	ors:			Н		
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicate rimary Indicators (minimum	ors: of one required; che			Н	Second	ary Indicators (2 or more required)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicate trimary Indicators (minimum Surface Water (A1)	ors: of one required; che	Salt Crust (I	311)	Н	Second	ary Indicators (2 or more required) ter Marks (B1) (Riverine)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2)	ors: of one required; che	Salt Crust (I Biotic Crust	311) (B12)	Н	Second Wa	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine)
Type:	ors: of one required; che	Salt Crust (I Biotic Crust Aquatic Inve	311) (B12) artebrates (B13)	Н	Second Wa Sec	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicate trimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri	ors: of one required; cher - - verine)	Salt Crust (I Biotic Crust Aquatic Inve	311) (B12) ertebrates (B13) ulfide Odor (C1)		Second Wa Sec Drif	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) dinage Patterns (B10)
Type:	ors: of one required; cher	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh	311) (B12) ortebrates (B13) ulfide Odor (C1) ulzospheres along L	iving Roots (Second Wa Sec Drif Dra	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) dinage Patterns (B10) -Season Water Table (C2)
Type:	ors: of one required; checked verine) (Nonriverine)	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh	311) (B12) ortebrates (B13) ulfide Odor (C1) dizospheres along L Reduced Iron (C4)	iving Roots (Second: Wa Sec Drif Dra Dra C3) Dry Cra	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) it Deposits (B3) (Riverine) dinage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8)
Type:	ors: of one required; checked verine) (Nonriverine)	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	311) (B12) (B13) (B13) ulfide Odor (C1) ilzospheres along L Reduced Iron (C4) Reduction in Tilled	iving Roots (Second: Wa Sec Drif Dra Dra C3) Dry Cra	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) dinage Patterns (B10) -Season Water Table (C2)
Type:	ors: of one required; checonomic contents of the contents of t	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S	311) (B12) prtebrates (B13) ulfide Odor (C1) prizospheres along L Reduced Iron (C4) Reduction in Tilled Surface (C7)	iving Roots (Second Wa Sec Drif Dra C3) Dry Cra Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Type:	ors: of one required; checonomic contents of the contents of t	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	311) (B12) prtebrates (B13) ulfide Odor (C1) prizospheres along L Reduced Iron (C4) Reduction in Tilled Surface (C7)	iving Roots (Second Wa Sec Drif Dra C3) Dry Cra Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C
Type:	ors: of one required; checkers verine) (Nonriverine) riverine)	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	311) (B12) ortebrates (B13) ulfide Odor (C1) ilzospheres along L Reduced Iron (C4) Reduction in Tilled Surface (C7) aln in Remarks)	iving Roots (CSoils (CS)	Second Wa Sec Drif Dra C3) Dry Cra Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Type:	ors: of one required; cher verine) (Nonriverine) riverine) ial imagery (B7) 9)	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	311) (B12) ortebrates (B13) ulfide Odor (C1) ulzospheres along L Reduced Iron (C4) Reduction in Tilled Surface (C7) aln in Remarks)	iving Roots (CSoils (CS)	Second Wa Sec Drif Dra C3) Dry Cra Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Type:	ors: of one required; cher verine) (Nonriverine) riverine) ial Imagery (B7) 9) Yes No Yes No	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	311) (B12) prtebrates (B13) ulfide Odor (C1) ulzospheres along L Reduced Iron (C4) Reduction in Tilled Surface (C7) aln in Remarks) ues):	iving Roots (0	Second Wa Sec Drif Dra C3) Dry Cra Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) dinage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
Type:	ors: of one required; cher verine) (Nonriverine) riverine) ial Imagery (B7) 9) Yes No Yes No	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	311) (B12) ortebrates (B13) ulfide Odor (C1) ulzospheres along L Reduced Iron (C4) Reduction in Tilled Surface (C7) aln in Remarks)	iving Roots (0	Second Wa Sec Drif Dra C3) Dry Cra Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Type:	ors: of one required; check verine) (Nonriverine) iverine) ial imagery (B7) Yes No Yes No Yes No	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	311) (B12) prtebrates (B13) ulfide Odor (C1) prospheres along L Reduced Iron (C4) Reduction in Tilled Surface (C7) aln in Remarks) press:	iving Roots (CSoils (CS)	Second Wa Sec Drif Dra Cra Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) dinage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
Type:	ors: of one required; check verine) (Nonriverine) iverine) ial imagery (B7) Yes No Yes No Yes No	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	311) (B12) prtebrates (B13) ulfide Odor (C1) prospheres along L Reduced Iron (C4) Reduction in Tilled Surface (C7) aln in Remarks) press:	iving Roots (CSoils (CS)	Second Wa Sec Drif Dra Cra Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) dinage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
Type:	ors: of one required; check verine) (Nonriverine) iverine) ial imagery (B7) Yes No Yes No Yes No	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	311) (B12) prtebrates (B13) ulfide Odor (C1) prospheres along L Reduced Iron (C4) Reduction in Tilled Surface (C7) aln in Remarks) press:	iving Roots (CSoils (CS)	Second Wa Sec Drif Dra Cra Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) t Deposits (B3) (Riverine) dinage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)

WETLAND DETER	RMINATI	ON DATA FORM	- Arid West Region
Project/Site: PRC 421 Decomm.	Mond	Rity/County: Gol	eta Sampling Date: 8/23/2
		bsion	State: CA Sampling Point:
Investigator(s): In gamelle			
Landform (hillslope, terrace, etc.): Tura ce			
		4.42538	
Soil Map Unit Name: Beaches			NWI classification:
Are climatic / hydrologic conditions on the site typical for this	s time of ye	ar? Yes No _	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologys			Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology n	aturally pro	blematic? (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? YesN	o	Is the Sampled	
	0	within a Wetlar	- 5/
110111111111111111111111111111111111111	o	Coasta	
Remarks:	ſ.	0.01	1 - 1 - 2
Access noad	+9	runul at	421-2 pier
VEGETATION – Use scientific names of plan	ts.		
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Indicator Species? Status	Dominance Test worksheet:
1.	Name and Associated Street, St		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.	100-1200000		Total Number of Dominant 4
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)
1.			Prevalence Index worksheet:
2.			Total % Cover of:Multiply by:
3			OBL species 5 x1= 5
4			FACW species $50 \times 2 = 15$ FAC species $5 \times 3 = 15$
5		= Total Cover	FAC species x 3 =
Herb Stratum (Plot size: 3 M. d. 4)			UPL species 3 x5= 15
1. Polypogon monspeliensis	50	Yes Fren	Column Totals: 63 (A) 135 (B)
2. Atriplex lentformis feedla	1/Z	No BAC	
3. Cotula coron epitolia		No OBL	Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
4. Spergularia marker 5. Melilotar albus	· '\	Yes UPL	pominance Test is >50%
6. Distribus spicate	<u> </u>	Yes FAC	Verevalence Index is ≤3.0¹
7			Morphological Adaptations ¹ (Provide supporting
8.			data in Remarks or on a separate sheet)
	63	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)			Indicators of hydric soil and wetland hydrology must
1			be present, unless disturbed or problematic.
		= Total Cover	Hydrophytic /
% Bare Ground in Herb Stratum % Cove	r of Blotic C	3.4	Vegetation Present? Yes No
Remarks;			

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Profile Description: (Describe to the depth needed to document the	indicator or confirm the absence of indicators.)
Depth Matrix Redox Feature	
(inches) Color (moist) % Color (moist) %	Type ¹ Loc ² Texture Remarks
the state of the s	
	* house 1 house 1 house 1
MANUFACTURE FOR THE PROPERTY OF THE PROPERTY O	# ####################################
	3.0
The state of the s	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covere	ed or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable to all LRRs, unless otherwise no	
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Minera	al (F1) Reduced Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix	
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	Managaran 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
1 cm Muck (A9) (LRR D) Redox Dark Surface	
Depleted Below Dark Surface (A11) Depleted Dark Surface Thick Dark Surface (A12) Redox Depressions	
Sandy Mucky Mineral (S1) Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	unless disturbed or problematic,
Restrictive Layer (if present):	
Type:	
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	
*	
YDROLOGY	
YDROLOGY Vetland Hydrology Indicators:	
Vetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Vetland Hydrology Indicators:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Vetland Hydrology Indicators: rimafy Indicators (minimum of one required; check all that apply)	
Vetland Hydrology Indicators: Inmary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Vetland Hydrology Indicators: Inmary Indicators (minimum of one required; check all that apply) Surface Water (A1) Algh Water Table (A2) Biotic Crust (B12)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Vetland Hydrology Indicators: Inmary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Saturation Hydrogen Suffide O	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Vetland Hydrology Indicators: Inmary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Saturation Hydrogen Suffide O	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) dor (C1) Drainage Patterns (B10) Dry-Season Water Table (C2)
Vetland Hydrology Indicators: Impair Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Surface Soil Cracks (B6)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dray-Season Water Table (C2) Ed Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Vetland Hydrology Indicators: Inmary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Indicate Apply Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Thin Muck Surface	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) C(7) Shallow Aquitard (D3)
Vetland Hydrology Indicators: Inmary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Marks (B1) (Nonriverine) Surface Soil Cracks (B9) Water-Stained Leaves (B9)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Vetland Hydrology Indicators: Inmary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Other (Explain in Refore) Preserved Thin Muck Surface Other (Explain in Refore) Other (Explain in Refore)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) C(7) Shallow Aquitard (D3)
Vetland Hydrology Indicators: Inimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Water Stained Leaves (B9) Depth (inches): Surface Water Present? Yes No Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Vetland Hydrology Indicators: Primariy Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Vater Table Present? Yes No Depth (inches): Vater Table Present? Palt trust apply Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Oxidized Rhizosphe Recent Iron Reduct Thin Muck Surface Other (Explain in Reference Water Present)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3) C(C7) Shallow Aquitard (D3)
Vetland Hydrology Indicators: Inimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Water Stained Leaves (B9) Depth (inches): Surface Water Present? Yes No Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)

WEILAND DETERMINATION DATA FORM	And West Region
Project/Site: PRC 421 De Commission of Etylcounty: Gold	
Applicant/Owner State Canbs Commission	State: Sampling Point:
Investigator(s): Section, Township, Ran	ge: 74N R29W
Landform (hillslope, terrace, etc.): Thrace Local relief (concave, or	onvex, none): None (%):
Subregion (LRR): 188-C Lat: 34, 425-68	Long: 119, 90 79 + Datum:
Soil Map Unit Name: Beaches	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "N	Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If nee	ded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point lo	cations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No No Is the Sampled	Area
Hydric Soil Present? Yes No within a Wetland	. 1/
Wetland Hydrology Present? Yes No Coath	
Remarks: $Anea = \sim 65' \times 5'$	bluff toe
VEGETATION – Use scientific names of plants.	
Absolute Dominant Indicator Tree Stratum (Plot size:) % Cover Species? Status	Dominance Test worksheet:
Tree Stratum (Plot size:) % Cover Species? Status 1	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3	Total Number of Dominant Species Across All Strata: (B)
4 = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 5 m. diameter 5 yel then	
I. Protection States	Prevalence Index worksheet: Total % Cover of: Multiply by:
2	OBL species x1=
4.	FACW species 45 $\times 2 = 90$
5.	FAC species 6 x3= 17
5 - Tatal Course	FACU species x 4 =
Herb Stratum (Plot size: 3 m diameter 40 les tages	UPL species Z x5 = 10
1. Tog po to	Column Totals: 53 (A) 11 (B)
2. Cost la contra bacting 7	Prevalence Index = B/A =
4. Helmir tho-their censolder 1 yes The	Hydrophytic Vegetation Indicators:
4. I (Copper to oppose contract	Dominance Test is >50%
6.	Prevalence Index is ≤3.01
7	Morphological Adaptations¹ (Provide supporting
8	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
Weath Vine Stretum (Diet size)	Froblematic Hydrophytic Vegetation (Expidit)
Woody Vine Stratum (Plot size:) 1	¹ Indicators of hydric soil and wetland hydrology must
2	be present, unless disturbed or problematic.
= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum % Cover of Blotic Crust	Vegetation Present? Yes No
Remarks:	
I .	

Depth Matrix		Redox F				
(inches) Color (moist)		Color (moist)	% Type ¹	Loc ²	Texture	Remarks
Type: C=Concentration, D=Deplydric Soll Indicators: (Application of the Market Soll Indicators: (Applications: (cable to all LRF	duced Matrix, CS=CRs, unless otherwis Sandy Redox (Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St Depleted Dark Redox Depress Vernal Pools (F	se noted.) S5) (S6) Mineral (F1) Matrix (F2) x (F3) urface (F6) Surface (F7) sions (F8)		Indicators for a communication of the communication	ation: PL=Pore Lining, M=Matrix. or Problematic Hydric Soils³: ack (A9) (LRR C) ack (A10) (LRR B) d Vertic (F18) rent Material (TF2) explain in Remarks) If hydrophytic vegetation and ydrology must be present, turbed or problematic.
Depth (inches):					Hydric Soil P	resent? Yes No
Remarks:					.,,	100
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver Sediment Deposits (B2) (Nonriver Surface Soil Cracks (B6)	ne required; ch ine) nriverine) rine)	Salt Crust (B1 Biotlc Crust (E Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of R Recent Iron R	a12) ebrates (B13) fide Odor (C1) ospheres along L teduced Iron (C4) eduction in Tilled	iving Roots	Second Wa Sec Drit Drec Drec (C3) Dry Crec Sat	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) -Season Water Table (C2) syfish Burrows (C8) uration Visible on Aerial Imagery (C
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Non Drift Deposits (B3) (Nonriver) Surface Soil Cracks (B6) Inundation Visible on Aerial I Water-Stained Leaves (B9)	ne required; ch ine) nriverine) rine)	Salt Crust (B1 Biotlc Crust (E Aquatic Invert Hydrogen Sul Oxidized Rhiz	a12) ebrates (B13) fide Odor (C1) ospheres along L teduced Iron (C4) eduction in Tilled rface (C7)	iving Roots	Second Wa Sec Dril Dre (C3) Cra Sat Sha	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ninage Patterns (B10)Season Water Table (C2) nyfish Burrows (C8)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver) Sediment Deposits (B2) (Nonriver) Surface Soil Cracks (B6) Inundation Visible on Aerial I water-Stained Leaves (B9) Field Observations: Surface Water Present?	ine) nriverine) rine) magery (B7) es No _ es No _	Salt Crust (B1 Biotic Crust (E Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of R Recent Iron R Thin Muck Su Other (Explair Depth (Inches	ebrates (B13) fide Odor (C1) ospheres along L deduced Iron (C4) eduction in Tilled rface (C7) n in Remarks) s):ss):ss):ss):ss):ss):ss):ss):ss):ss):ss):ss):ss):ss):	iving Roots Soils (C6)	Second Wa Sec Dril Dra (C3) Dry Cra Sat FA	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ninage Patterns (B10)Season Water Table (C2) nyfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3)
Property of the control of the contr	ine) nriverine) rine) magery (B7) es No _ es No _	Salt Crust (B1 Biotic Crust (E Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of R Recent Iron R Thin Muck Su Other (Explair Depth (Inches	ebrates (B13) fide Odor (C1) ospheres along L deduced Iron (C4) eduction in Tilled rface (C7) n in Remarks) s):ss):ss):ss):ss):ss):ss):ss):ss):ss):ss):ss):ss):ss):	iving Roots Soils (C6)	Second Wa Sec Dril Dra (C3) Dry Cra Sat FA	ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) dit Deposits (B3) (Riverine) dinage Patterns (B10) P-Season Water Table (C2) dyfish Burrows (C8) uration Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region Decommissionil-Alty/County: Goleta R29W Ingamelle Section, Township, Range: Investigator(s): Turace Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): 34. 12583 Subregion (LRR): _ Beaches NWI classification: Soil Map Unit Name: (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Yes _ Are "Normal Circumstances" present? Yes Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? 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? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Coastal Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: ___ % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 1._ Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: Frankenda Julina Total % Cover of: OBL species 3. FACW species FAC species 40 = Total Cover FACU species Herb Stratum (Plot size: ____ x 5 = UPL species Column Totals: 2. Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test Is >50% Prevalence Index is ≤3.01 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) = Total Cover Woody Vine Stratum (Plot size: ____ ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? % Bare Ground in Herb Stratum ____ % Cover of Biotic Crust _ Yes Remarks:

Depth Matrix	the depth needed to de	Redox Features		
(inches) Color (moist)	% Color (moist		Loc ² Textu	re Remarks
	Marian Ma			Annual An
				MERITA CALL
ype: C=Concentration, D≔Depletic				² Location: PL=Pore Lining, M=Matrix.
ydric Soll Indicators: (Applicable				ators for Problematic Hydric Soils ³ :
_ Histosol (A1) _ Histic Epipedon (A2)	14-14-14-14-14-14-14-14-14-14-14-14-14-1	Redox (S5) d Matrix (S6)		cm Muck (A9) (LRR C) cm Muck (A10) (LRR B)
_ Black Histic (A3)		Mucky Mineral (F1)		teduced Vertic (F18)
Hydrogen Sulfide (A4)		Gleyed Matrix (F2)		ted Parent Material (TF2)
Stratified Layers (A5) (LRR C)		d Matrix (F3)		other (Explain in Remarks)
_ 1 cm Muck (A9) (LRR D)	Redox I	Dark Surface (F6)	-	
_ Depleted Below Dark Surface (A	.11) Deplete	d Dark Surface (F7)		
_ Thick Dark Surface (A12)		Depressions (F8)		ators of hydrophytic vegetation and
_ Sandy Mucky Mineral (S1)	Vernal I	Pools (F9)		land hydrology must be present,
_ Sandy Gleyed Matrix (S4)	*		unle	ess disturbed or problematic.
estrictive Layer (if present):				
Type:				
			1992000000000	[A 프라 (BIL)] [HE NO (BIL) (BIL) [HE NO (BIL
Depth (inches):			Hydric	Soil Present? Yes No
Depth (inches):emarks:			Hydric	Soil Present? Yes No
Depth (inches):emarks: /DROLOGY			Hydric	Soil Present? Yes No
Depth (inches):emarks: /DROLOGY letland Hydrology Indicators:		apply)		
Depth (inches):emarks: /DROLOGY letland Hydrology Indicators: rimary Indicators (minimum of one reconstructions)	required; check all that a			Secondary Indicators (2 or more required)
Depth (inches):emarks: /DROLOGY letland Hydrology Indicators:	required; check all that a	rust (B11)		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (inches):emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one rough Surface Water (A1)	required; check all that a Sait Cr Biotic C	rust (B11) Crust (B12)		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inches): pmarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one r Surface Water (A1) High Water Table (A2) Saturation (A3)	required; check all that a Sait Cr Blotic (Aquati	rust (B11) Crust (B12) c Invertebrates (B13)		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inches):emarks: DROLOGY etland Hydrology Indicators: elimary Indicators (minimum of one regions) Surface Water (A1) High Water Table (A2) Saturation (A3)	required; check all that a Salt Ci Blotic G Aquati Hydrog	rust (B11) Crust (B12) c Invertebrates (B13) gen Sulfide Odor (C1)		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (inches):emarks: DROLOGY Total Hydrology Indicators: imary Indicators (minimum of one regions and water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	required; check all that a Sait Cr Biotic Aquati Hydrog rerine) Oxidize	rust (B11) Crust (B12) c Invertebrates (B13) gen Sulfide Odor (C1)	S Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inches):emarks: DROLOGY Detland Hydrology Indicators: rimary Indicators (minimum of one regions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	required; check all that a Sait Cr Biotic cr Aquaticr Hydrog erine) Oxidize) Preser	rust (B11) Crust (B12) c Invertebrates (B13) gen Suffide Odor (C1) ed Rhizospheres along	Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Depth (inches): Demarks: DROLOGY Detland Hydrology Indicators: Demary Indicators (minimum of one reserved) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	required; check all that a Sait Cr Biotic cr Aquati Hydrog erine) Oxidize) Preser Recen	rust (B11) Crust (B12) c Invertebrates (B13) gen Suffide Odor (C1) ed Rhizospheres along nce of Reduced Iron (C4	Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Depth (inches):	required; check all that a Salt Cr Salt Cr Biotic Gr Aquati Hydrog Crine) Cxidiz Preser Recen Jery (B7) Thin M	rust (B11) Crust (B12) c Invertebrates (B13) gen Sulfide Odor (C1) ed Rhizospheres along nce of Reduced Iron (C4 t Iron Reduction in Tilled	Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Depth (inches): emarks: DROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one r Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9)	required; check all that a Salt Cr Salt Cr Biotic Gr Aquati Hydrog Crine) Cxidiz Preser Recen Jery (B7) Thin M	rust (B11) Crust (B12) c Invertebrates (B13) gen Suffide Odor (C1) ed Rhizospheres along nce of Reduced Iron (C4 t Iron Reduction in Tilled luck Surface (C7)	Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Depth (inches):emarks: POROLOGY Vetland Hydrology Indicators: dimary Indicators (minimum of one research of the control	required; check all that a Salt Cr Salt Cr Biotic Gr Aquati Hydrog Crine) Cxidiz Preser Recen Jery (B7) Thin M	rust (B11) Crust (B12) c Invertebrates (B13) gen Sulfide Odor (C1) ed Rhizospheres along nce of Reduced Iron (C4 t Iron Reduction in Tilled luck Surface (C7) (Explain in Remarks)	Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Depth (inches): emarks: //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one r Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9) leid Observations: urface Water Present? Yes_	required; check all that a Salt Cr Salt Cr Biotic Gr Hydrog rerine) Oxidiz Preser Recen gery (B7) Thin M Other (rust (B11) Crust (B12) c Invertebrates (B13) gen Sulfide Odor (C1) ed Rhizospheres along nce of Reduced Iron (C4 t Iron Reduction in Tilled luck Surface (C7) (Explain in Remarks)	Living Roots (C3) _ i) _ d Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Castilla Shallow Aquitard (D3)
Depth (inches): Demarks: Portion of the property of the prope	required; check all that a Salt Cr Salt Cr Aquati Hydrog erine) Oxidize Preser Recen gery (B7) Thin M	rust (B11) Crust (B12) c Invertebrates (B13) gen Suffide Odor (C1) gen Suffide Odor (C1) gen Suffide Odor (C4) for Reduced Iron (C4 t Iron Reduction in Tilled luck Surface (C7) (Explain in Remarks) in (inches):	Living Roots (C3) _ t)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Castilla Shallow Aquitard (D3)
Depth (inches):	required; check all that a Salt Cr Biotic Check all that a Salt Cr Aquatic Check all that a Aquatic Check all that a Aquatic Check C	rust (B11) Crust (B12) c Invertebrates (B13) gen Sulfide Odor (C1) ed Rhizospheres along noe of Reduced iron (C4 t Iron Reduction in Tilled luck Surface (C7) (Explain in Remarks) (inches):	Living Roots (C3) _ t) _ d Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Castration Visible on Aerial Imagery (Castration Visible Office on Aerial Imagery
Depth (inches):	required; check all that a Salt Cr Biotic Check all that a Salt Cr Aquatic Check all that a Aquatic Check all that a Aquatic Check C	rust (B11) Crust (B12) c Invertebrates (B13) gen Sulfide Odor (C1) ed Rhizospheres along noe of Reduced iron (C4 t Iron Reduction in Tilled luck Surface (C7) (Explain in Remarks) (inches):	Living Roots (C3) _ t) _ d Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Castration Visible on Aerial Imagery (Castration Visible Office on Aerial Imagery
Popth (inches): Remarks: Proposition of the present? Proposition of the present? Proposition of the present? Proposition of the present? Proposition (inches): Proposition (proposition of the present): Proposition (proposition of the present): Proposition (proposition of the present): Proposition of the present	required; check all that a Salt Cr Biotic Check all that a Salt Cr Aquatic Check all that a Aquatic Check all that a Aquatic Check C	rust (B11) Crust (B12) c Invertebrates (B13) gen Sulfide Odor (C1) ed Rhizospheres along noe of Reduced iron (C4 t Iron Reduction in Tilled luck Surface (C7) (Explain in Remarks) (inches):	Living Roots (C3) _ t) _ d Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Castration Visible on Aerial Imagery (Castration Visible Office on Aerial Imagery

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WETLAND DETERMINATION DATA FORM -	
Project/Site: PRC 421 De COMMISSION DELLYCOUNTY: Gold	eta Sampling Date: 8/23/2
Applicant/Owner: State Canbs Commission	State: CA Sampling Point: 7
Investigator(s): In gamely Section, Township, Ran	
Landform (hillslope, terrace, etc.): Tiva ce Local relief (concave, c	
Subregion (LRR): LCP-C Lat: 34, 125 83	Long: 11 1. 90819 Datum:
그리고 그 아무리 그 아무리 그 아무리 아무리 가지 않는데 그 아무리	NWI classification:
\/	(If no, explain in Remarks.)
	Normal Circumstances" present? Yes No
, ,	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sampled	Area
Hydric Soil Present? Yes No within a Wetlan	/
Wetland Hydrology Present? Yes No (CO A)	
Remarks:	
~ 32 ×6 , bluft	- toe
VEGETATION – Use scientific names of plants.	Dominance Test worksheet:
Tree Stratum (Plot size:) Absolute Dominant Indicator 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 That Are OBL, FACW, or FAC: 100% (A/B)
Sapling/Shrub Stratum (Plot size: 5 m a) a = Total Cover	That Are OBL, FACW, or FAC: (A/B)
1. Frankenia salma Zo le FACH	Prevalence Index worksheet:
2. Attiplex lentforms 80 yes FAC	Total % Cover of: Multiply by:
3	OBL species x1=
4	FACW species $\frac{20}{80}$ $x2 = \frac{40}{240}$
5	FAC species x 3 =
Herb Stratum (Plot size:)	UPL species x5=
1	Column Totals: (00 (A) Z50 (B)
2	7 2
3	r revalence index = birt =
4	Hydrophytic Vegetation Indicators:
5	Dominance Test is >50% Prevalence Index is ≤3.0¹
6,	Morphological Adaptations¹ (Provide supporting
7	data in Remarks or on a separate sheet)
8 = Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	g
1	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	
= Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Present? Yes No
Remarks:	

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Depth Matrix	Redox Features			
(Inches) Color (moist) %	Color (moist) %	Type¹ Loc²	Texture	Remarks
Type: C=Concentration, D≕Depletion, R\				n: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a				Problematic Hydric Soils ³ :
Histosol (A1) Histic Epipedon (A2) Black Histic (A3)	Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F		1 cm Mucl	(A9) (LRR C) (A10) (LRR B)
Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D)	Loamy Gleyed Matrix (F3) Depleted Matrix (F3) Redox Dark Surface (F6	2)	Red Paren	t Material (TF2) Islain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark Surface (Redox Depressions (F8) Vernal Pools (F9)		wetland hyd	ydrophytic vegetation and loogy must be present, bed or problematic.
Restrictive Layer (if present):		* 4	unious sicia.	bed or problemation
Туре:				
Depth (inches):			Liudeia Call Dua	sent? Yes No
Remarks:			nyunc son Fre	SORE TOS NO
Remarks:			nyunc son Fre	oontries NO
YDROLOGY			nyunc son Fre	oontries NO
Remarks:	ed; check all that apply)			
Remarks: YDROLOGY Vetland Hydrology Indicators:	ed; check all that apply)Salt Crust (B11)		Secondar	y Indicators (2 or more required)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require			Secondar Water	
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (I		Secondar Water Sedin	y Indicators (2 or more required) Marks (B1) (Riverine)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B11) Blottc Crust (B12) Aquatic Invertebrates (I Hydrogen Sulfide Odor	(C1)	Secondar Water Sedin Drift I	y Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres	(C1) along Living Root	Secondar Water Sedin Drift [Drain s (C3) Dry-S	y Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced II	(C1) along Living Root ron (C4)	Secondar Water Sedin Drift I Drain s (C3) Crayfi	y Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction	(C1) along Living Root ron (C4) in Tilled Soils (C6)	Secondar Water Sedin Drift I Drain S (C3) Crayfi Satur	y Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) atlon Visible on Aerial Imagery (
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction i Thin Muck Surface (C7)	(C1) along Living Root ron (C4) in Tilled Solls (C6)	Secondar Water Sedin Drift I Drain S (C3) Crayfi Satur Shalk	y Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) atton Visible on Aerial Imagery (on Marker (D3)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction	(C1) along Living Root ron (C4) in Tilled Solls (C6)	Secondar Water Sedin Drift I Drain S (C3) Crayfi Satur Shalk	y Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) atlon Visible on Aerial Imagery (
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction Thin Muck Surface (C7) Other (Explain in Rema	(C1) along Living Root ron (C4) in Tilled Solls (C6) rks)	Secondar Water Sedin Drift I Drain S (C3) Crayfi Satur Shalk	y Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) atton Visible on Aerial Imagery (on Marker (D3)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Water-Stained Leaves (B9) Field Observations: Forface Water Present? Yes	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction Thin Muck Surface (C7) Other (Explain in Rema	(C1) along Living Root ron (C4) in Tilled Solls (C6)) rks)	Secondar Water Sedin Drift I Drain S (C3) Crayfi Satur Shalk	y Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) atton Visible on Aerial Imagery (on Marker (D3)
POROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E) Water-Stained Leaves (B9) Veter Table Present? Ves Veter Table Present? Ves	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced II Recent Iron Reduction Thin Muck Surface (C7) Other (Explain in Rema	(C1) along Living Root ron (C4) in Tilled Soils (C6)) rks)	Secondar Water Sedin Drift L Drain S (C3) Dry-S Crayfi Satur FAC-I	y Indicators (2 or more required) Marks (B1) (Riverine) Penent Deposits (B2) (Riverine) Peposits (B3) (Riverine) Peposits (B4) (Riverine) Pepos
Primary Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Water-Stained Leaves (B9) Field Observations: Surface Water Present? Ves Vater Table Present? Ves Includes capillary fringe)	Salt Crust (B11) Biotic Crust (B12) Aquatic invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced II Recent Iron Reduction Thin Muck Surface (C7' Other (Explain in Rema	(C1) along Living Root ron (C4) in Tilled Solls (C6)) rks) Wetlat	Secondar Water Sedin Drift I Drain s (C3) Dry-S Crayfi Satur Shall FAC-I	y Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) atton Visible on Aerial Imagery (on Marker (D3)
Primary Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (EWater-Stained Leaves (B9) Water Water Present? Water Table Present? Water Table Present? Wester Tessent? Water Table Present?	Salt Crust (B11) Biotic Crust (B12) Aquatic invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced II Recent Iron Reduction Thin Muck Surface (C7' Other (Explain in Rema	(C1) along Living Root ron (C4) in Tilled Solls (C6)) rks) Wetlat	Secondar Water Sedin Drift I Drain s (C3) Dry-S Crayfi Satur Shall FAC-I	y Indicators (2 or more required) Marks (B1) (Riverine) Penent Deposits (B2) (Riverine) Peposits (B3) (Riverine) Peposits (B4) (Riverine) Pepos
Primary Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Water-Stained Leaves (B9) Field Observations: Surface Water Present? Ves Vater Table Present? Ves Includes capillary fringe)	Salt Crust (B11) Biotic Crust (B12) Aquatic invertebrates (I Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced II Recent Iron Reduction Thin Muck Surface (C7' Other (Explain in Rema	(C1) along Living Root ron (C4) in Tilled Solls (C6)) rks) Wetlat	Secondar Water Sedin Drift I Drain s (C3) Dry-S Crayfi Satur Shall FAC-I	y Indicators (2 or more required) Marks (B1) (Riverine) Penent Deposits (B2) (Riverine) Peposits (B3) (Riverine) Peposits (B4) (Riverine) Pepos

WETLAND DETERMINATION DATA FORM - Arid West Region De commissionil sity/county: Goleta Sampling Date: Sampling Point: Applicant/Owner: Lugamello Section, Township, Range: ___ Terrace Slope (%): Landform (hillslope, terrace, etc.): _ Local relief (eoncave, convex, none): 2-Datum: Subregion (LRR): _ Soil Map Unit Name: ____ NWI classification: 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_ Are Vegetation _____, Soit _____, 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? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Yes (Coaltal Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: ____ % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 1._ Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: 5 m. d. 69 Prevalence Index worksheet: 1. Frankenia Actorplex Total % Cover of: **OBL** species FACW species FAC species (00 = Total Cover FACU species Herb Stratum (Plot size: UPL species Column Totals: 100 Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.01 Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Woody Vine Stratum (Plot size: ____ ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic = Total Cover Vegetation % Bare Ground in Herb Stratum % Cover of Biotic Crust Present? Remarks:

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CONTRACTOR		n needed to docum	Features	oommin are a	pa vivols en such les de Petro attribute de la vivolation en ₹ de
Depth Mai (inches) Color (mois		Color (moist)	% Type	Loc ² Tex	tture Remarks
			termination termination b		
F		2 1 1111 00		0-10-1-	24
Type: C=Concentration, D= lydric Soil Indicators: (A)					² Location: PL≔Pore Lining, M≔Matrix, icators for Problematic Hydric Soils ³ :
_ Histosol (A1)	phileaple to all E	Sandy Redox			1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)		Stripped Mat		Manage	2 cm Muck (A10) (LRR B)
Black Histic (A3)		Loamy Muck		(Tribus)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)		Loamy Gleye		terment.	Red Parent Material (TF2)
Stratified Layers (A5) (L	RR C)	Depleted Ma			Other (Explain in Remarks)
1 cm Muck (A9) (LRR D))	Redox Dark		_	(19 Man) (2000) 16-00 16-00 17의 전에 전혀 17인
Depleted Below Dark Si	urface (A11)	Depleted Dar	rk Surface (F7)		
_ Thick Dark Surface (A1:	2)	Redox Depre	essions (F8)	³ Ind	licators of hydrophytic vegetation and
_ Sandy Mucky Mineral (S	0.00	Vernal Pools	(F9)		retland hydrology must be present,
 Sandy Gleyed Matrix (S 				u	nless disturbed or problematic.
estrictive Layer (if preser	nt):				
	nt):				
Type: Depth (inches):				Hydi	ric Soil Present? Yes No
Type: Depth (inches): temarks:				Hydi	ric Soil Present? Yes No
Type: Depth (inches): Remarks:				Hydi	ric Soil Present? Yes No
Type: Depth (inches): temarks: YDROLOGY Wetland Hydrology Indicat	lors:			Hydi	ric Soil Present? Yes No Secondary Indicators (2 or more required)
Type: Depth (inches): temarks: VDROLOGY Vettand Hydrology Indicat	lors:			Hydi	
Type: Depth (inches): temarks: /DROLOGY /ettand Hydrology Indicat	lors:	check all that apply	B11)	Hydi	Secondary Indicators (2 or more regulred
Type: Depth (inches): temarks: /DROLOGY /ettand Hydrology Indicatrimary Indicators (minimum_ Surface Water (A1)	lors:	check all that apply Salt Crust (I Biotic Crust	B11)	Hydi	Secondary Indicators (2 or more required Water Marks (B1) (Riverine)
Type: Depth (inches): temarks: /DROLOGY // Vettand Hydrology Indicatrimary Indicators (minimum _ Surface Water (A1) High Water Table (A2)	lors; n of one required;	check all that apply Salt Crust (I Biotic Crust	B11) (B12) ertebrates (B13)	Hydi	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: Depth (inches): temarks: /DROLOGY // Vettand Hydrology Indicatrimary Indicators (minimum _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3)	tors; n of one required; riverine)	check all that apply Salt Crust (I Biotic Crust Aquatic Inve	B11) (B12) ertebrates (B13) sulfide Odor (C1)		Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type:	lors; n of one required; riverine) (Nonriverine)	check all that apply Salt Crust (I Biotic Crust Aquatic Inve	B11) (B12) ertebrates (B13) sulfide Odor (C1)		Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type:	lors: n of one required; riverine) (Nonriverine) uriverine)	check all that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	B11) (B12) ertebrates (B13) sulfide Odor (C1) nizospheres along Li f Reduced Iron (C4) Reduction in Tilled	ving Roots (C3)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Type:	lors: n of one required; riverine) (Nonriverine) uriverine)	check all that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	B11) (B12) ertebrates (B13) sulfide Odor (C1) nizospheres along Li f Reduced Iron (C4) Reduction in Tilled	ving Roots (C3)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Type:	lors; n of one required; riverine) (Nonriverine) uriverine) oriverine)	check all that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	B11) (B12) ertebrates (B13) sulfide Odor (C1) nizospheres along Lif Reduced Iron (C4) Reduction in Tilled Surface (C7)	ving Roots (C3)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (
Type:	lors; n of one required; riverine) (Nonriverine) uriverine) oriverine)	check all that apply/ Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S	B11) (B12) ertebrates (B13) sulfide Odor (C1) nizospheres along Lif Reduced Iron (C4) Reduction in Tilled Surface (C7)	ving Roots (C3)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (G2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
Type:	tors: n of one required; riverine) (Nonriverine) uriverine)) srial Imagery (B7)	check all that apply/ Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S	B11) (B12) ertebrates (B13) sulfide Odor (C1) nizospheres along Li f Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks)	ving Roots (C3) Soils (C6)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (G2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
Type:	tors: n of one required; riverine) (Nonriverine) uriverine)) srial Imagery (B7) B9) Yes N	check all that apply) Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rt Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (B13) sulfide Odor (C1) nizospheres along Lif Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks)	ving Roots (C3) Soils (C6)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (G2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
Type:	tors: n of one required; riverine) (Nonriverine) uriverine) sirial imagery (B7) B9) Yes N Yes N Yes N	check all that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized RI Presence of Recent Iron Thin Muck S Other (Explain Depth (Inch	B11) (B12) ertebrates (B13) sulfide Odor (C1) nizospheres along Lif Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks) nes):	ving Roots (C3) Soils (C6)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	tors: n of one required; riverine) (Nonriverine) uriverine) sirial imagery (B7) B9) Yes N Yes N	check all that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized RI Presence of Recent Iron Thin Muck S Other (Explain Depth (Inch	B11) (B12) ertebrates (B13) sulfide Odor (C1) nizospheres along Lif Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks) nes):	ving Roots (C3) Soils (C6)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Remarks: Primary Indicators (minimun Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Nor Surface Soil Cracks (B6) Inundation Visible on Active Water-Stained Leaves (Field Observations: Surface Water Present? Vater Table Present? Includes capillary fringe) Describe Recorded Data (sti	tors: n of one required; riverine) (Nonriverine) uriverine) sirial imagery (B7) B9) Yes N Yes N	check all that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized RI Presence of Recent Iron Thin Muck S Other (Explain Depth (Inch	B11) (B12) ertebrates (B13) sulfide Odor (C1) nizospheres along Lif Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks) nes):	ving Roots (C3) Soils (C6)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	tors: n of one required; riverine) (Nonriverine) uriverine) sirial imagery (B7) B9) Yes N Yes N	check all that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized RI Presence of Recent Iron Thin Muck S Other (Explain Depth (Inch	B11) (B12) ertebrates (B13) sulfide Odor (C1) nizospheres along Lif Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks) nes):	ving Roots (C3) Soils (C6)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3) FAC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region PRC 421 Decommission Goleta Sampling Point: Ingamelle Section, Township, Range: Investigator(s): Terrace Landform (hillslope, terrace, etc.): ____ Local relief (concave, convex, none): Subregion (LRR): _ L /2 Soil Map Unit Name: Beacher NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes _ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes_ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? 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? Is the Sampled Area Hydric Soil Present? Yes within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: ____ % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 1. Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: 1. Total % Cover of: OBL species FACW species FAC species FACU species = Total Cover Herb Stratum (Plot size: 3 m. UPL species Column Totals: Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 4. Dominance Test is >50% 5. Prevalence Index is ≤3.01 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) 6 U = Total Cover Woody Vine Stratum (Plot size: ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic = Total Cover Vegetation Present? % Bare Ground in Herb Stratum ____ % Cover of Biotic Crust Remarks:

Depth Matrix	Redox Features	
(inches) Color (moist) %		Loc ² Texture Remarks
Type: C=Concentration, D=Depletion, RM		The state of the s
Hydric Soil Indicators: (Applicable to all	A construction of the second	Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2)	Reduced Verlic (F18) Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	outs (Explain in Fortierio)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		unless disturbed or problematic.
Restrictive Layer (if present): Type:		
Restrictive Layer (if present):		Hydric Soil Present? Yes No
Restrictive Layer (if present): Type: Depth (inches): Remarks: YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Restrictive Layer (If present): Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Living Roots (C3) Dry-Season Water Table (C2)
Restrictive Layer (If present): Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Restrictive Layer (If present): Type: Depth (Inches): Remarks: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) iving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Restrictive Layer (If present): Type: Depth (Inches): Remarks: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Living Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Solls (C6) Saturation Visible on Aerial Imagery (C8)
Restrictive Layer (If present): Type: Depth (Inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled 7) Thin Muck Surface (C7)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Living Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Solls (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Restrictive Layer (If present): Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Tield Observations:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled 7) Thin Muck Surface (C7)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Solls (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Restrictive Layer (If present): Type: Depth (Inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled 7) Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) iving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Solls (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Restrictive Layer (If present): Type: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Vater Table Present? Yes Saturation Present? Yes Includes capillary fringe)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Living Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Solls (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Restrictive Layer (If present): Type: Depth (Inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Teld Observations: Surface Water Present? Ves Vater Table Present? Ves Saturation Present? Ves Saturation Present? Ves Seturation Present? Ves Seturation Present?	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Living Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Solls (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Restrictive Layer (If present): Type: Depth (inches): Remarks: Primary Indicators (minimum of one requireSurface Water (A1) High Water Table (A2)Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Teld Observations: Surface Water Present? Yes Surface Water Present? Yes Surface Table Present? Yes Surface Sopillary fringe)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Living Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Solls (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No

WETLAND DETER	RMINATION	DATA FORM -	- Arid West Region
Project/Site: PRC 421 Decommi	MONe -Am	County Cap L	eta Sampling Date: 8/23/21
Applicant/Owner: State Canbs 6			State:C/T Sampling Point:
Investigator(s): In gamello			
Landform (hilislope, terrace, etc.): Tiova ce	Lo	cal relief (concave, c	convex, none): // U/LL Slope (%):
Subregion (LRR): LPP C	_ Lat: 3 4	,42699	Long: 119,90959 Datum:
Soll Map Unit Name: Beaches			NWI classification:
Are climatic / hydrologic conditions on the site typical for this	s time of year?	Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologys	ignificantly dis	turbed? Are "I	Normal Circumstances" present? Yes V No No
Are Vegetation, Soil, or Hydrologyn	aturally proble	matic? (If nee	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing sa	ampling point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes N		1	
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N		Is the Sampled	
Wetland Hydrology Present? Yes N	500 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 	within a Wetlan	
Remarks:	,	(00.01.	
~ 223	1	ti N	Bluff for
VEGETATION – Use scientific names of plan	ts.	***	
Tree Stratum (Plot size:)		ominant Indicator pecies? Status	Dominance Test worksheet:
1	18.11	pecies otatus	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4	=	Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 5 m. d.) Atriplex lengtherms	40 Y	el tac	Prevalence Index worksheet:
2. Frankonia Salina	5	les tacu	Total % Cover of: Multiply by:
3			OBL species x 1 =
4			FACW species x 2 =
5	- 		FAC species
Herb Stratum (Plot size:)	40 =	Total Cover	FACU species x 4 =
1. Distriblis spicator.	40	Ver toc	UPL species (3 x5 = 15 Column Totals: (20 (A) (B)
2. Campo brother edulis	. 15	Yes UPC	325
3			Prevalence Index = B/A =
4			Hydrophytic Vegetation Indicators: Dominance Test is >50%
5		III I DOMONO CONTRACTO CON	Prevalence Index is ≤3.01
7			Morphological Adaptations ¹ (Provide supporting
8.			data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
Manda Man Stratum (Diet des	55=	Total Cover	Froblematic hydrophytic vegetation (Explain)
Woody Vine Stratum (Plot size:) 1			¹ Indicators of hydric soil and wetland hydrology must
2.			be present, unless disturbed or problematic.
		Total Cover	Hydrophytic
% Bare Ground in Herb Stratum % Cove	r of Blotic Crus	t	Vegetation Present? Yes No
Remarks:		13	

Depth	Matrix	Redox F	eatures			
(inches)	Color (moist) %	Color (moist)	% Type ¹	Loc ²	Fexture	Remarks
lydric Soll In Histosol (/ Histic Epir Black Hist Hydrogen Stratified I 1 cm Muci Depleted I Thick Darl	pedon (A2)	Reduced Matrix, CS=0	Covered or Coates se noted.) (S5) ((S6) Mineral (F1) Matrix (F2) x (F3) urface (F6) Surface (F7) sions (F8)	d Sand Grains	ndicators for 1 cm Muc 2 cm Muc Reduced Red Pare Other (Ex	on: PL=Pore Lining, M=Matrix. r Problematic Hydric Soils ³ : sk (A9) (LRR C) sk (A10) (LRR B) Vertic (F18) nt Material (TF2) plain in Remarks) hydrophytic vegetation and drology must be present, urbed or problematic.
Туре:	ayer (if present):			н	ydric Soil Pr	esent? Yes No
YDROLOG	iY ology Indicators;					
	tors (minimum of one required	check all that apply)			Seconda	ry Indicators (2 or more required)
Saturation Water Mai Sediment Drift Depo Surface Se Inundation	er Table (A2) (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) I Visible on Aerial Imagery (B7) ined Leaves (B9)	Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R	312) lebrates (B13) fide Odor (C1) cospheres along teleduced Iron (C4) leduction in Tilled)	Sedi Drift Drain 3) Dry-t Cray Satu Shal	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Clow Aquitard (D3) -Neutral Test (D5)
Surface Water Nater Table Po Saturation Pre- includes capill	Present? Yes N resent? Yes N sent? Yes N lary fringe) N	o Depth (inche o Depth (inche	s):s	_ _ Wetland I		resent? Yes No
ASSETTOR RECO	rded Data (stream gauge, mor	iitoring weii, aeriai pho	ios, previous insp	pections), if ava	anable:	

WETLAND DETERMINATION DATA FORM - Arid West Region Decommissionil- gity/county: Goleta Sampling Date: (Sampling Point: Ingamello Section, Township, Range: _ Investigator(s): Tiorace Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): 34,42696 Long: Subregion (LRR): _ LC C Beneles Soil Map Unit Name: NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes _ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes _ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? 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? Is the Sampled Area Hydric Soil Present? within a Wetland% Wetland Hydrology Present? Martal Remarks: VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator Tree Stratum (Plot size: ___ % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 1. Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: OBL species 3. **FACW** species FAC species FACU species = Total Cover Herb Stratum (Plot size: UPL species Column Totals: _ 2. Prevalence Index = B/A = 3. Hydrophytic Vegetation Indicators: Dominance Test Is >50% Prevalence Index is ≤3.01 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) = Total Cover Woody Vine Stratum (Plot size: _____ ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic = Total Cover Vegetation % Cover of Biotic Crust Present? % Bare Ground in Herb Stratum ___ Remarks:

Depth Matrix	Redox Features		
(inches) Color (moist) %	Color (moist) % Type ¹	Loc ² Texture	Remarks
Type: C=Concentration, D=Depletion, RM= lydric Soil Indicators: (Applicable to all I Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	LRRs, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8)	Indicate	Location: PL=Pore Lining, M=Matrix. Dors for Problematic Hydric Sofls ³ : Dom Muck (A9) (LRR C) Muck (A10) (LRR B) Duced Vertic (F18) Derent Material (TF2) Der (Explain in Remarks) Dors of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present):	Vernal Poois (F9)		nd hydrology must be present, s disturbed or problematic.
Type: Depth (inches):		Hydric S	oil Present? Yes No
YDROLOGY	(2000) (2001) (2001) (2001) (2001) (2001) (2001) (2001) (2001) (2001) (2001) (2001) (2001) (2001) (2001) (2001)	***************************************	
YDROLOGY Wetland Hydrology Indicators:			
Wetland Hydrology Indicators: Primary Indicators (minimum of one required			condary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	lving Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks)	lving Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Soils (C6)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes None of the present?	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks)	Solls (C6)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Ves N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled) Thin Muck Surface (C7) Other (Explain in Remarks) o Depth (inches): o Depth (inches):	Solls (C6) Wetland Hydrol	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C6) 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) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes None of the present o	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled) Thin Muck Surface (C7) Other (Explain in Remarks) o Depth (inches): o Depth (inches):	Solls (C6) Wetland Hydrol	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Castallow Aquitard (D3) FAC-Neutral Test (D5)

	9-		And West Region	10
Project/Site: PRC 421 De Commis				12
Applicant/Owner: State Cands & a	ommiss	ion	State: Sampling Point:	~
		tion, Township, Ran		
Landform (hillslope, terrace, etc.): Tura ce	Local	al relief (concave, c	onvex, none): YORR Slope (%):	
Subregion (LRR): LRP-C	Lat: 34	,42713	Long: 119, 909 76 Datum:	
Soil Map Unit Name: Beaches			NWI classification:	
Are climatic / hydrologic conditions on the site typical for this	time of year?	YesNo	(If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrologys			Normal Circumstances" present? Yes No _	
Are Vegetation, Soil, or Hydrologyn	aturally problem	natic? (If nee	eded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map	showing sar	mpling point lo	ocations, transects, important features,	etc.
Hydrophytic Vegetation Present? Yes No. No.	o	Is the Sampled	1/	
Wetland Hydrology Present? Yes No	o	(Coait		
Remarks:	(N	top of	nek revetment sic	pe
VEGETATION – Use scientific names of plan	ts.			
Tree Stratum (Plot size:)		minant Indicator ecies? Status	Dominance Test worksheet:	
1		ociesi Status	Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
3			Total Number of Dominant Species Across All Strata:	(B)
4	=T	otal Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 676 ((A/B)
Sapling/Shrub Stratum (Plot size: 5 m. d. a)	701	100 (10)		
1. Buchails phylais 2. Atriplex leastorms	30 4	101 500	Prevalence Index worksheet: Total % Cover of: Multiply by:	
2. ATTOPICK PENTYDI WYS		107 TO	OBL species x1 =	53
3.			FACW species x2=	
5.			FAC species 70 x3= ZLO	
	60 =T	otal Cover	FACU species x 4 =	
Herb Stratum (Plot size: 3 m. din.)		35	UPL species 30 x5= 150	
1. Distichlis spients	404	es the	Column Totals: 100 (A) 360	(B)
3.			Prevalence Index = B/A = 3, 6	
3			Hydrophytic Vegetation Indicators:	
5.			Dominance Test is >50%	
6.			Prevalence Index is ≤3,0 ¹	
7			Morphological Adaptations¹ (Provide supporting	ng
8			data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)	
Woody Vine Stratum (Plot size:)	40_=T	Total Cover	Problematic riyotophytic vegetation (Explain)	,
1			¹Indicators of hydric soil and wetland hydrology mu	ust
2,			be present, unless disturbed or problematic.	
# # A 200 000	=T	Total Cover	Hydrophytic Vegetation	
% Bare Ground in Herb Stratum % Cover	r of Biotic Crust		Present? Yes No	
Remarks:				

Profile Descrip	tion: (Describe t	to the depth	needed to docu	ment the in-	dicator	or confirm th	ne absence of	indicators.)	
Depth	Matrix			ox Features				3//	
(inches)	Color (moist)	_%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
									5-0.002,0004,00070
	***					_			
					178				WARRANG .
									On the second
	50000								
Type: C=Conce	entration, D=Depl	etion, RM=R	educed Matrix, C	S=Covered o	or Coate	d Sand Grain	s. ²Locati	on: PL≔Pore Linin	a M=Matrix
			RRs, unless othe					r Problematic Hyd	
Histosol (A1)		Sandy Red	ox (S5)			1 cm Mud	ck (A9) (LRR C)	
Histic Epipe	1000 CO 1000 Processor		Stripped Ma	atrix (S6)			2 cm Muc	k (A10) (LRR B)	
Black Histic				ky Mineral (Vertic (F18)	
Hydrogen S	uitide (A4) yers (A5) (LRR C			yed Matrix (F	-2)			nt Material (TF2)	
	(A9) (LRR D)	,	Depleted M	aunx (F3) cSurface (F6	6)		Other (Ex	plain in Remarks)	
	low Dark Surface	(A11)		ark Surface					
	Surface (A12)	,		ressions (F8			3Indicators of	hydrophytic vegeta	ition and
	y Mineral (S1)		Vernal Pool	ls (F9)			wetland hyd	drology must be pre	esent,
	ed Matrix (S4)			200 - 1400 s 2			unless distu	urbed or problemat	ic.
Restrictive Laye	er (if present):					200000000000000000000000000000000000000			
Depth (inches	s):					1	dydric Soil Pr	esent? Yes	No
Remarks:									
								month 2000	
YDROLOGY		·							
YDROLOGY Wetland Hydrol	ogy Indicators:								
YDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators: rs (minimum of on	e required; o	check all that appl					ry Indicators (2 or r	
YDROLOGY Wetland Hydrol Primary Indicator Surface Wat	ogy Indicators: rs (minimum of on rer (A1)	ie required; d	Salt Crust	(B11)			Wate	er Marks (B1) (Rive	erine)
YDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water	ogy Indicators: rs (minimum of on rer (A1) Table (A2)	ne required; o	Salt Crust Biotic Crus	(B11) st (B12)	(0.40)		Wate	er Marks (B1) (Riverment Deposits (B2	erine)) (Riverine)
YDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (A	ogy Indicators: rs (minimum of on er (A1) Table (A2)		Salt Crust Biotic Crust Aquatic In	(B11) st (B12) vertebrates (Wate Sedi Drift	er Marks (B1) (Riverment Deposits (B2 Deposits (B3) (Riv	erine)) (Riverine) rerine)
Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/	ogy Indicators: rs (minimum of on er (A1) Table (A2) A3) s (B1) (Nonriverir	ne)	Salt Crust Biotic Crust Aquatic In Hydrogen	(B11) st (B12) vertebrates (Sulfide Odor	r (C1)	lidan Danta (Wate Sedi Drift Drain	er Marks (B1) (Riverment Deposits (B2) Deposits (B3) (Rivermage Patterns (B10)	erine)) (Riverine) rerine)
Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks	ogy Indicators: (s (minimum of on er (A1) Table (A2) A3) (b (B1) (Nonriverir eposits (B2) (Non	ne) riverine)	Salt Crust Biotic Crus Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrates (Sulfide Odor Rhizospheres	r (C1) s along L	iving Roots (Wate Sedi Drift Drain (C3) Dry-	er Marks (B1) (Rive ment Deposits (B2 Deposits (B3) (Riv nage Patterns (B10 Season Water Tab	erine)) (Riverine) rerine)
YDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De	ogy Indicators: rs (minimum of oner (A1) Table (A2) A3) s (B1) (Nonriverir eposits (B2) (Non s (B3) (Nonriverir	ne) riverine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrates (Sulfide Odor Rhizospheres of Reduced	r (C1) s along L Iron (C4))	Wate Sedi Drift Drain C3) Dry-: Cray	er Marks (B1) (Rive ment Deposits (B2 Deposits (B3) (Riv nage Patterns (B10 Season Water Tab fish Burrows (C8)	erine)) (Riverine) verine))) le (C2)
YDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De Drift Deposit Surface Soil	ogy Indicators: (s (minimum of oner (A1) Table (A2) A3) (B1) (Nonriverir posits (B2) (Non s (B3) (Nonriverir Cracks (B6)	ne) riverine) ne)	Salt Crust Biotic Crus Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrates (Sulfide Odor Rhizospheres of Reduced I n Reduction	r (C1) s along L Iron (C4) in Tilled)	Wate Sedi Drift Drain C3) Dry-3 Cray Satu	er Marks (B1) (Riverment Deposits (B2) Deposits (B3) (Rivermage Patterns (B10) Season Water Tabifish Burrows (C8) ration Visible on Ac	erine)) (Riverine) verine))) le (C2)
YDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De Drift Deposit Surface Soil Inundation V	ogy Indicators: rs (minimum of oner (A1) Table (A2) A3) s (B1) (Nonriverir eposits (B2) (Non s (B3) (Nonriverir Cracks (B6) Tsible on Aerial In	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrates (Sulfide Odor Rhizospheres of Reduced I n Reduction Surface (C7	r (C1) s along L Iron (C4) in Tilled 7))	Wate Sedi Drift Drain C3) Dry-1 Cray Satu Shal	er Marks (B1) (Riverment Deposits (B2) Deposits (B3) (Rivermage Patterns (B10) Season Water Tabifish Burrows (C8) ration Visible on Adlow Aquitard (D3)	erine)) (Riverine) verine))) le (C2)
YDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De Drift Deposit Surface Soil Inundation V Water-Staine	ogy Indicators: rs (minimum of oner (A1) Table (A2) A3) s (B1) (Nonriverir eposits (B2) (Non s (B3) (Nonriverir Cracks (B6) Tsible on Aerial In ad Leaves (B9)	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrates (Sulfide Odor Rhizospheres of Reduced I n Reduction	r (C1) s along L Iron (C4) in Tilled 7))	Wate Sedi Drift Drain C3) Dry-1 Cray Satu Shal	er Marks (B1) (Riverment Deposits (B2) Deposits (B3) (Rivermage Patterns (B10) Season Water Tabifish Burrows (C8) ration Visible on Ac	erine)) (Riverine) verine))) le (C2)
YDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (// Water Marks Sediment De Drift Deposit Surface Soil Inundation V Water-Stains	ogy Indicators: rs (minimum of oner (A1) Table (A2) A3) s (B1) (Nonriverir eposits (B2) (Non s (B3) (Nonriverir Cracks (B6) lisible on Aerial Ined Leaves (B9) ons:	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrates (Sulfide Odor Rhizospheres of Reduced in Reduction Surface (C7	r (C1) s along L Iron (C4) in Tilled 7) arks)) Soils (C6)	Wate Sedi Drift Drain C3) Dry-1 Cray Satu Shal	er Marks (B1) (Riverment Deposits (B2) Deposits (B3) (Rivermage Patterns (B10) Season Water Tabifish Burrows (C8) ration Visible on Adlow Aquitard (D3)	erine)) (Riverine) verine))) le (C2)
YDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (// Water Marks Sediment De Drift Deposit Surface Soil Inundation V Water-Staine Gurface Water Pr	ogy Indicators: rs (minimum of on er (A1) Table (A2) A3) s (B1) (Nonriverir aposits (B2) (Non s (B3) (Nonriverir Cracks (B6) lisible on Aerial In ed Leaves (B9) ons: resent? Ye	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrates (vertebrates (Rhizospheres of Reduced (n Reduction Surface (C7 olain in Rems	r (C1) s along L Iron (C4) in Tilled 7) arks)	Soils (C6)	Wate Sedi Drift Drain C3) Dry-1 Cray Satu Shal	er Marks (B1) (Riverment Deposits (B2) Deposits (B3) (Rivermage Patterns (B10) Season Water Tabifish Burrows (C8) ration Visible on Adlow Aquitard (D3)	erine)) (Riverine) verine))) le (C2)
YDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De Drift Deposit Surface Soil Inundation V Water-Staine	ogy Indicators: rs (minimum of on er (A1) Table (A2) A3) s (B1) (Nonriverir eposits (B2) (Non es (B3) (Nonriveri Cracks (B6) disible on Aerial In ed Leaves (B9) ons: resent? Ye sent? Ye	ne) riverine) ne) nagery (B7) s No	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrates (Sulfide Odor Rhizospheres of Reduced I n Reduction Surface (G7 olain in Rems ches):	r (C1) s along L Iron (C4) in Tilled 7) arks)	Soils (C6)	Wate Sedi Drift Drain C3) Dry-i Cray Satu Shal FAC	er Marks (B1) (Riverment Deposits (B2) Deposits (B3) (Rivermage Patterns (B10) Season Water Tabifish Burrows (C8) ration Visible on Adlow Aquitard (D3)	erine)) (Riverine) rerine))) le (C2) erial Imagery (C

Remarks:

WEILAND DETERMINATION DATA FORM	
Project/Site: PRC 421 Decommissionit-Gity/County: Go	
Applicant/Owner: State Canbs Commission	State: CA Sampling Point: 13
Investigator(s):	
Landform (hillslope, terrace, etc.): Thra ce Local relief (concave	
Subregion (LRR): 122-C Lat: 34.42.740	Long: 119, 91014 Datum:
Soil Map Unit Name: Blacker	NWI classification:
	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are	e "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrologynaturally problematic? (If i	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 Sample	ed Area
Hydric Soil Present? Yes No within a Wetl.	
Wetland Hydrology Present? Yes No No Co.A.	1 1
Remarks: $\sim (3/\times 2/\nu)$	bluff toe
VEGETATION – Use scientific names of plants.	
Tree Stratum (Plot size:) Absolute Dominant Indicator Species? Status	-)
1	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2	Total Number of Dominant
3,	Species Across All Strata: (B)
4 = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 67 (A/B)
Sapling/Shrub Stratum (Plot size:) M. O.)	
1. Bacchans pillians 10 48/ UIL	Prevalence Index worksheet:
2. Atriples lentitormis 10 yes FAR	Total % Cover of: Multiply by:
3	OBL species x1 =
4	FACW species
5. ZO = Total Cover	FACU species x4 =
Herb Stratum (Plot size: 3 M. CM.	UPL species / 0 x5 = 5°
1. Distichlis rejenta 60 yel The	Column Totals: 10 (A) 260 (B)
2	Prevalence Index = B/A = 3.3
3	Hydrophytic Vegetation Indicators:
4	Dominance Test is >50%
0	Prevalence Index is ≤3.0¹
7.	Morphological Adaptations ¹ (Provide supporting
8.	data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size:)	Problematic Hydrophytic Vegetation¹ (Explain)
1.	¹ Indicators of hydric soil and wetland hydrology must
2.	be present, unless disturbed or problematic.
## Bare Ground in Herb Stratum ## Cover of Blotic Crust	Hydrophytic Vegetation Present? Yes No
Remarks:	

Depth Ma	trix	Redox Features		
(inches) Color (moi		Color (moist) % Type ¹	Loc ² Tex	dure Remarks
***************************************			*************	Name of the last o
				· · · · · · · · · · · · · · · · · · ·
		Terretorial constituents and the second seco		
Production of the second of th				
Type: C=Concentration, D	=Depletion, RM=Red	duced Matrix, CS=Covered or Coate	d Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (A	pplicable to all LRF	ks, unless otherwise noted.)	Indi	icators for Problematic Hydric Solls ³ :
Histosol (A1)		Sandy Redox (S5)		1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)		Stripped Matrix (S6)		2 cm Muck (A10) (LRR B)
Black Histic (A3)		Loamy Mucky Mineral (F1)		Reduced Vertic (F18)
Hydrogen Sulfide (A4)		Loamy Gleyed Matrix (F2)		Red Parent Material (TF2)
Stratified Layers (A5) (I		Depleted Matrix (F3)	\$.,	Other (Explain in Remarks)
1 cm Muck (A9) (LRR I		Redox Dark Surface (F6)		
Depleted Below Dark S	77.	Depleted Dark Surface (F7)		
Thick Dark Surface (A1		Redox Depressions (F8)	3Ind	icators of hydrophytic vegetation and
Sandy Mucky Mineral (Vernal Pools (F9)	w	etland hydrology must be present,
Sandy Gleyed Matrix (S	64)		u	nless disturbed or problematic.
THE RESIDENCE OF THE PARTY OF T	6\-			
Restrictive Layer (if prese	ntj.			
	ntj.			
Restrictive Layer (if prese Type: Depth (inches): Remarks:		7	Hydr	ric Soil Present? YesNo
Type: Depth (inches):		-	Hydr	ric Soil Present? Yes No
Type: Depth (inches): temarks: YDROLOGY		-	Hydr	ric Soil Present? YesNo
Type: Depth (inches): ternarks:		-	Hydr	ric Soil Present? Yes No No
Type: Depth (inches): temarks: YDROLOGY	tors:		Hydr	Secondary Indicators (2 or more required)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indica	tors:	eck all that apply)	Hydr	Secondary Indicators (2 or more required)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indica	tors:	eck all that apply) Salt Crust (B11)	Hydr	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indica rimary Indicators (minimur Surface Water (A1) High Water Table (A2)	tors:	eck all that apply) Salt Crust (B11) Biotic Crust (B12)	Hydr	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type:	tors: n of one required; ch	eck all that apply) Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13)	Hydr	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type:	tors: n of one required; ch riverine)	eck all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type:	tors: n of one required; ch riverine)) (Nonriverine)	eck all that apply) Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L	Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Type:	tors: n of one required; ch riverine)) (Nonriverine) nriverine)	eck all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along I Presence of Reduced Iron (C4)	Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Type:	tors: n of one required; ch riverine)) (Nonriverine) nriverine)	eck all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicatrimary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B6) Inundation Visible on A	tors: n of one required; ch riverine)) (Nonriverine) nriverine) s) erial Imagery (B7)	eck all that apply) Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type:	tors: n of one required; ch riverine)) (Nonriverine) nriverine) s) erial Imagery (B7)	eck all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	Living Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type: Depth (inches): Remarks: POROLOGY Vetland Hydrology Indicater Arimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Not Surface Soil Cracks (B6) Inundation Visible on A Water-Stained Leaves (B6)	tors: n of one required; ch riverine)) (Nonriverine) nriverine) s) erial Imagery (B7)	eck all that apply) Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks)	Living Roots (C3)) Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type: Depth (inches): Remarks: POROLOGY Vetland Hydrology Indicates (minimum of the content of	tors: n of one required; ch riverine)) (Nonriverine) nriverine) S) erial Imagery (B7) (B9)	eck all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks)	Living Roots (C3)) Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type: Depth (inches): Remarks: POROLOGY Vetland Hydrology Indicater Arimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Not Surface Soil Cracks (B6) Inundation Visible on A Water-Stained Leaves (B6)	tors: n of one required; ch riverine)) (Nonriverine) nriverine) S) erial Imagery (B7) (B9) Yes No _ Yes No _	eck all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Living Roots (C3) Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type: Depth (inches): Permarks: POROLOGY Vetland Hydrology Indicatrimary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B6) Inundation Visible on A Water-Stained Leaves (B6) Indicators (B6) Invited (B6) Invi	tors: n of one required; ch riverine)) (Nonriverine) nriverine) S) erial Imagery (B7) (B9) Yes No _ Yes No _	eck all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks)	Living Roots (C3) Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type: Depth (inches): Remarks: POROLOGY Vetland Hydrology Indicatrimary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on Auwater-Stained Leaves (Inches Company Company (Note Table Present?) Vater Table Present? aturation Present? Includes capillary fringe)	tors: n of one required; ch riverine)) (Nonriverine) nriverine) s) erial imagery (B7) (B9) Yes No Yes No _ Yes No _	eck all that apply) Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along I Presence of Reduced Iron (C4 Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Living Roots (C3)) Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Castron Scholler (D3) FAC-Neutral Test (D5)
Type: Depth (inches): Remarks: POROLOGY Vetland Hydrology Indicatrimary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on Auwater-Stained Leaves (Inches Company Company (Note Table Present?) Vater Table Present? aturation Present? Includes capillary fringe)	tors: n of one required; ch riverine)) (Nonriverine) nriverine) s) erial imagery (B7) (B9) Yes No Yes No _ Yes No _	eck all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Living Roots (C3)) Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Castron Scholler (D3) FAC-Neutral Test (D5)
Type: Depth (inches): Remarks: POROLOGY Vetland Hydrology Indicatrimary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B6) Inundation Visible on Active Water-Stained Leaves (B6) Indicated Water Present? Veter Table Present? Includes capillary fringe) Veter The Recorded Data (steeping to the control of	tors: n of one required; ch riverine)) (Nonriverine) nriverine) s) erial imagery (B7) (B9) Yes No Yes No _ Yes No _	eck all that apply) Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along I Presence of Reduced Iron (C4 Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Living Roots (C3)) Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Castron Scholler (D3) FAC-Neutral Test (D5)
Type: Depth (inches): Remarks: POROLOGY Vetland Hydrology Indicatrimary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on Auwater-Stained Leaves (Inches Company Company (Note Table Present?) Vater Table Present? aturation Present? Includes capillary fringe)	tors: n of one required; ch riverine)) (Nonriverine) nriverine) s) erial imagery (B7) (B9) Yes No Yes No _ Yes No _	eck all that apply) Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along I Presence of Reduced Iron (C4 Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Living Roots (C3)) Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Castron Scholler (D3) FAC-Neutral Test (D5)

WETLAND DETERMINATION D	ATA FORM - Arid West Region	, /
Project/Site: PRC 421 Decommission - Sitylo	number Cao leta Sampling Da	ite: 8/23/2
Applicant/Owner: State Cands Commissi	On State: Of Sampling Po	int: 14
Investigator(s): In gamelly Section		
Landform (hillslope, terrace, etc.): Tive a Local	ii, rouriomp, riange.	***
	1275	Datum:
0	NWI classification:	Jatum,
Are climatic / hydrologic conditions on the site typical for this time of year? Y		V 11-
Are Vegetation, Soil, or Hydrology significantly disturb		
Are Vegetation, Soil, or Hydrology naturally problems		
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, importan	t features, etc.
Hydrophylic Vegetation Present? YesNo	Is the Sampled Area	
Hydric Soil Present? Yes No	within a Wetland? Yes No	
Wetland Hydrology Present? Yes No	coartal)	
Remarks:	<u> </u>	
$\sim 90 \times 12'$	along bluff for	
VEGETATION – Use scientific names of plants.	<i>J</i>	
Absolute Don	inant Indicator Dominance Test worksheet:	7
1.	Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
2.	Total Number of Dominant	7
3.	Species Across All Strata:	> (B)
4=To	Percent of Dominant Species That Are OBL, FACW, or FAC:	7% (A/B)
Sapling/Shrub Stratum (Plot size: 5 m. do) 9 1. Atriples (unhomis 2 4	Prevalence Index worksheet:	
1. Attriple (univolves e st		ultiply by:
3.	OBL species x1=	
4.	FACW species x 2 =	
5	FAC species x3=.	
	ral Cover FACU species x 4 =	Freder, armin.
Herb Stratum (Plot size: 3 M. Cy Cr. 1 DISTOR his soileata 65 U.	UPL species x5=	
2 Carpo brother edulis 25 4	0.0 (112)	356 (B)
3 Polyposon Monspellens to A	Prevalence Index = B/A =	3.3
4.	Hydrophytic Vegetation Indicators	
5.	Dominance Test is >50%	
6	Prevalence Index is ≤3,0 ¹	
7	Morphological Adaptations ¹ (Pro data in Remarks or on a sepa	vide supporting arate sheet)
8		
Woody Vine Stratum (Plot size:)	al Cover	
1	¹ Indicators of hydric soil and wetland	
2.	be present, unless disturbed or probl	ematic,
= To	tal Cover Hydrophytic	
% Bare Ground in Herb Stratum % Cover of Biotic Crust _	Vegetation Present? Yes N	lo
Remarks:		

Depth Matrix		or confirm the absence	or indicators.)
(inches) Color (moist) %	Redox Features Color (moist) % Type ¹	Loc ² Texture	Remarks
	RM=Reduced Matrix, CS=Covered or Coate	***************************************	ation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D)	all LRRs, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6)	1 cm M 2 cm M Reduce Red Pa	for Problematic Hydric Solls ³ : uck (A9) (LRR C) uck (A10) (LRR B) od Verlic (F18) rent Material (TF2) Explain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present):	Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9)	wetland h	of hydrophytic vegetation and hydrology must be present, sturbed or problematic.
Type: Depth (inches):		Hydric Soil	Present? Yes No
kemarks:			
YDROLOGY Vetland Hydrology Indicators:			
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requ	ired; check all that apply)	Secon	dary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) e) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled		ater Marks (B1) (Riverine) idiment Deposits (B2) (Riverine) iff Deposits (B3) (Riverine) ainage Patterns (B10)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestion Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Water-Stained Leaves (B9) Field Observations: Surface Water Present? Ves Vater Table Present? Yes Saturation Present?	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled (B7) Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches):	Wetland Hydrology	ater Marks (B1) (Riverine) idiment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (C allow Aquitard (D3) C-Neutral Test (D5)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestion Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Water-Stained Leaves (B9) Field Observations: Surface Water Present? Ves Vater Table Present? Yes Saturation Present?	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): No Depth (Inches):	Wetland Hydrology	ater Marks (B1) (Riverine) idiment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (C allow Aquitard (D3) C-Neutral Test (D5)

WETLAND DETERMINATION D	ATA FORM – Arid West Region
Project/Site: PRC 421 Decommissionil-Envice	ounty: Goleta Sampling Date: 8/23/2
Applicant/Owner: State Canbs Commission	on State: A Sampling Point: 15
Investigator(s): In gamelly Section	
Landform (hillslope, terrace, etc.): Tiora ce Local	
Subregion (LRR): LCP-C Lat: 34	42752 Long: 119,91034 Datum:
Soll Map Unit Name: Beached	NWI classification:
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 problema	
SUMMARY OF FINDINGS - Attach site map showing sam	
	/
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	within a Wetland? Yes No
	(Coastal)
10'x10' 2 top 0	+ rock revethent slope
10 × 10 00	
VEGETATION – Use scientific names of plants.	
Absolute Dom	
Tree Stratum (Plot size:)	Number of Dominant Opedies
1	
3.	Total Number of Dominant Species Across All Strata; (B)
4.	
Sapling/Shrub Stratum (Plot size: 5 m, dr) = Tot	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1. At plux (entrocuse 5 4	1 the Prevalence Index worksheet:
2	
3	OBL species x 1 =
4	FACW species x2 = FAC species \(\frac{100}{200}\) x3 = \(\frac{300}{200}\)
5	
Herb Stratum (Plot size: 3 m, dan	tal Cover FACU species x4 = UPL species x5 =
1. Distrehus spicata 95 4	Column Totals: 100 (A) 300 (B)
2	Prevalence Index = B/A =
3,	Hydrophytic Vegetation Indicators:
4	Dominance Test is >50%
5	Prevalence Index is ≤3.0¹
7	Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	data in Remarks or on a separate sneet)
Woody Vine Stratum (Plot size:)	tal Cover Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum (Plot size:) 1	¹ Indicators of hydric soil and wetland hydrology must
2.	be present, unless disturbed or problematic.
= To	tal Cover Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Crust _	
Remarks:	

	15	
Sampling Point:	1)	

Depth Matrix	Redox Features		
(inches) Color (moist) %	Color (moist) % Type ¹	Loc ² Texture	Remarks
	#=Reduced Matrix, CS=Covered or Coated	Sand Grains. ² Loc	ation: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable to al	I LRRs, unless otherwise noted.)	Indicators	for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)	1 cm N	fuck (A9) (LRR C)
_ Histic Epipedon (A2)	Stripped Matrix (S6)		fuck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)		ed Vertic (F18)
Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)		arent Material (TF2)
_ 1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)		
Thick Dark Surface (A12)	Redox Depressions (F8)	3Indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wet(and I	hydrology must be present,
Sandy Gleyed Matrix (S4)	1	unless di	sturbed or problematic.
estrictive Layer (if present):		- 1	
Restrictive Layer (if present): Type:			
Restrictive Layer (if present): Type: Depth (inches): Remarks:		Hydric Soll	Present? Yes No
Type: Depth (inches): Remarks:		Hydric Soll	Present? Yes No
Type: Depth (inches): Remarks: YDROLOGY		Hydric Soll	Present? Yes No
Type: Depth (inches):			
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require	ed; check all that apply)	Secon	dary Indicators (2 or more required)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	ed; check all that apply) Salt Crust (B11)	Secon	dary Indicators (2 or more required) ater Marks (B1) (Riverine)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators:	ed; check all that apply) Salt Crust (B11) Biotic Crust (B12)	Secon	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2)	ed; check all that apply) Salt Crust (B11)	Secon W Se	dary Indicators (2 or more required) ater Marks (B1) (Riverine)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	ed; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secon W Se De	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	ed; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secon W Secon Deconormal control of the contr	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	ed; check all that apply) Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li	Secon — W — Si — Di — Di ving Roots (C3) — Di — Ci	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	ad; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7)	Secon	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Catallow Aquitard (D3)
Type:	ed; check all that apply) Sait Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	Secon	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	ad; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7)	Secon	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Catallow Aquitard (D3)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) ield Observations:	ad; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7)	Secon	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Catallow Aquitard (D3)
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Type:	ed; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): No Depth (Inches):	Secon Wetland Hydrology	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Catallow Aquitard (D3)
Type:	ad; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches):	Secon Wetland Hydrology	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Challow Aquitard (D3) AC-Neutral Test (D5)
Type:	ed; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): No Depth (Inches):	Secon Wetland Hydrology	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Challow Aquitard (D3) AC-Neutral Test (D5)
Type:	ed; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): No Depth (Inches):	Secon Wetland Hydrology	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Challow Aquitard (D3) AC-Neutral Test (D5)
Type:	ed; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): No Depth (Inches):	Secon Wetland Hydrology	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Challow Aquitard (D3) AC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region De commissionit stylcounty: Goleta Sampling Point: Ingamelle Section, Township, Range: Investigator(s): Landform (hillslope, terrace, etc.): Tiva ce Local relief (concave, convex, none): Subregion (LRR): __LPP Datum: NWI classification: Soil Map Unit Name: Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? 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? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION – Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator Tree Stratum (Plot size: ___ % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 1. Total Number of Dominant Species Across All Strata: Percent of Dominant Species ___ = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: ____ Prevalence Index worksheet: Total % Cover of: 3. OBL species FACW species FAC species FACU species = Total Cover Herb Stratum (Plot size: 3 UPL species Column Totals: Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.01 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Woody Vine Stratum (Plot size: ____ ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic = Total Cover Vegetation % Cover of Biotic Crust Present? Yes % Bare Ground in Herb Stratum ____ Remarks:

i ionic bescription. (bescribe to the deptr	needed to document the indicator or con	firm the absence of indicators.)
Depth Matrix	Redox Features	<u>t</u> s
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture Remarks

-		Professional Control of the Control
	Annual An	
		_
Type: C=Concentration, D=Depletion, RM=F		
Hydric Soil Indicators: (Applicable to all LI		Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4) Restrictive Layer (if present):		unless disturbed or problematic.
Type:		
Depth (inches):	_	Hudela Sall Brananta Van Na
		Hydric Soil Present? Yes No
Domarke:		
Remarks:		
YDROLOGY		
YDROLOGY Wetland Hydrology Indicators:	check all that apply)	Secondary Indicators (2 or more required
YDROLOGY Wetland Hydrology Indicators:	check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required Water Marks (B1) (Riverine)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required;		
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2)	Salt Crust (B11) Biotic Crust (B12)	Water Marks (B1) (Riverine)Sediment Deposits (B2) (Riverine)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	 Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	 Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Coots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Coots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C6) Shallow Aquitard (D3)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7)	Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Coots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No	Salt Crust (B11) Biotic Crust (B12) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Coots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3)

US Army Corps of Engineers

Remarks:

WETLAND DETER	MINATIO	ATAU NC	FORM -	- Arid West Region
Project/Site: PRC 421 De Commus				
Applicant/Owner: State Canbs a				State: Sampling Point:
Investigator(s): In gamelle		Section, Tow	nship, Rar	nge: 74N R29W
Landform (hillslope, terrace, etc.): Thorace		Local relief (concave, c	convex, none): 1000 Slope (%):
Subregion (LRR): LPP C	Lat:	14,420	101	Long: 119, 91103 Datum:
Soil Map Unit Name: Blacker			/	NWI classification:
Are climatic / hydrologic conditions on the site typical for this				(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology sig			Are "I	Normal Circumstances" present? Yes V No No
Are Vegetation, Soil, or Hydrology na	turally pro	blematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map s	howing	sampling	point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?	*************	within	Sampled a Wetlan	d? Yes No
Remarks: ~ 32 * £	1	,	2	bluff toe and
VEGETATION – Use scientific names of plants	s.			,
		Dominant I Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
Cauling/Chrish Ctratium /Dist size: 7 (1)	87	= Total Cov	er	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1. Atoplex lent kymis		yes.	171-0	Prevalence Index worksheet:
2.				Total % Cover of:Multiply by:
3				OBL species x1= FACW species 30 x2= 60
4				FAC species 3 x3 = 9
J		= Total Cov	er	FACU species 60 x4=240
Herb Stratum (Plot size: 3 m. dig		1/	ton a	UPL species 5 x5= 25
1. Polypogon monspeliensis	30	Yen-	HU	Column Totals: 48 (A) 334 (B)
2. Heliotropium curassavicum		4 de -	PHCU	Prevalence Index = B/A = 3,4
3. Carpo brothe edulir	5	100	46	Hydrophytic Vegetation Indicators:
4				Dominance Test is >50%
5.				Prevalence Index is ≤3.0¹
7				Morphological Adaptations ¹ (Provide supporting
8.			***	data in Remarks or on a separate sheet)
		= Total Cov	er	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:) 1	1180017			¹ Indicators of hydric soil and wetland hydrology must
2				be present, unless disturbed or problematic.
<u></u>		= Total Cov	er	Hydrophytic
% Bare Ground in Herb Stratum % Cover		rust		Vegetation Present? Yes No
Remarks:				

	th needed to document the indica Redox Features		,
Depth Matrix (Inches) Color (moist) %	Color (moist) % Typ	pe ¹ Loc ² Texture	Remarks
Type: C=Concentration, D=Depletion, RM: lydric Soil Indicators: (Applicable to all Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	LRRs, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8)	Indicators1 cm2 cmReduRed FOther	bocation: PL=Pore Lining, M=Matrix, as for Problematic Hydric Solls ³ : Muck (A9) (LRR C) Muck (A10) (LRR B) ced Vertic (F18) Parent Material (TF2) (Explain in Remarks) s of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present):	Vernal Pools (F9)		I hydrology must be present, disturbed or problematic.
Type:		Hydric Soi	I Present? Yes No
YDROLOGY			
Wetland Hydrology Indicators:	di abaak all that apply)	Sono	ndon Indicators /2 or more required)
Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C Oxidized Rhizospheres ala Presence of Reduced Iron Recent Iron Reduction in 1		Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Ves	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C Oxidized Rhizospheres ala Presence of Reduced Iron Recent Iron Reduction in 1 7) Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches):		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B: Water-Stained Leaves (B9) Field Observations: Surface Water Present? Ves Saturation Present? Yes Includes capillary fringe)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C Oxidized Rhizospheres ala Presence of Reduced Iron Recent Iron Reduction in 1 7) Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches):		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drianage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)

WETLAND DETER	RMINATIO	ON DATA FORM -	- Arid West Region
Project/Site: PRC 42 (DeCommular Decommular Decommular Decommular Decommular Decommular Decommular Decommular Decommular Decomposition (hillslope, terrace, etc.): There exists a subregion (LRR): Left C Soll Map Unit Name: Beacher Decomposition on the site typical for this Are Vegetation Soll or Hydrology sides are Vegetation Soll or Hydrology Republic Present? Yes No. 100 No. 10	Lat: 3	Bity/County: Cao I to Scilor No. Section, Township, Ran Local relief (concave, c. 4, 1283 to	Sampling Date: \$\frac{123}{2}\$ State: CA Sampling Point: 18 Ige: TAN R 2 9 W Sonvex, none): 1000 Slope (%): Datum: NWI classification: M 2 0 Slope (%): Normal Circumstances" present? Yes No Seded, explain any answers in Remarks.) Docations, transects, important features, etc.
Wetland Hydrology Present? Yes No	0	within a Wetlan	
On beach at imig	ation	(
VEGETATION - Use scientific names of plan	ts.		
Tree Stratum (Plot size:) 1	% Cover 50	= Total Cover Ver OBC	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Total % Cover of: Multiply by: OBL species FACW species FACW species FACU species FACU species Column Totals: White providence Index = B/A = Column Totals: White providence Index = B/A = Column Totals: Dominance Test is >50% Prevalence Index is ≤3.0¹
7	50 	= Total Cover	Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes No
Remarks:	, or brotte of		

	h needed to document the inc	dicator or commi	ii tile absence of	indicators.)
Depth Matrix	Redox Features	T. 1 1 2	· .	
(Inches) Color (moist) %	Color (moist) %	Type ¹ Loc ²	Texture	Remarks
Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, CS∺Covered o	or Coated Sand Gr	rains, ² Locati	on: PL=Pore Linlng, M≕Matrix.
Hydric Soil Indicators: (Applicable to all	RRs, unless otherwise noted	l.)	Indicators for	r Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)			k (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)			k (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (i		Reduced	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F	-2)		nt Material (TF2)
Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D)	Depleted Matrix (F3) Redox Dark Surface (F6)	6)	Other (Ex	plain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Dark Surface			
Thick Dark Surface (A12)	Redox Depressions (F8		3Indicators of	hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	·/		frology must be present,
				93
Sandy Gleyed Matrix (S4)			unless distu	irbed or problematic.
			unless distu	irbed or problematic.
Restrictive Layer (if present):	e 9/10		unless distu	irbed or problematic.
Restrictive Layer (if present):	e 9/10			esent? YesNo
Restrictive Layer (if present): Type: Depth (inches):	e 9/10			
Restrictive Layer (if present): Type:	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced Recent Iron Reduction	r (C1) s along Living Roo Iron (C4) In Tilled Soils (C6 7)	Seconda Wate Sedi Drift Drain Ots (C3) Satu Shall	
Restrictive Layer (if present): Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required V Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced Recent Iron Reduction Thin Muck Surface (C7	r (C1) s along Living Roo Iron (C4) In Tilled Soils (C6 7)	Seconda Wate Sedi Drift Drain Ots (C3) Satu Shall	ry Indicators (2 or more required) ar Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (
Restrictive Layer (if present): Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required V Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced Recent Iron Reduction Thin Muck Surface (C7	r (C1) s along Living Roo Iron (C4) In Tilled Soils (C6 7)	Seconda Wate Sedi Drift Drain Ots (C3) Satu Shall	ry Indicators (2 or more required or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Dage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (1) low Aquitard (D3)
Restrictive Layer (if present): Type: Depth (inches): Remarks: Primary Indicators (minimum of one required Variace Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced Recent Iron Reduction Thin Muck Surface (County) Other (Explain in Rema	r (C1) s along Living Roo Iron (C4) In Tilled Soils (C6 7)	Seconda Wate Sedi Drift Drain Ots (C3) Satu Shall	ry Indicators (2 or more required or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Dage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (1) low Aquitard (D3)

WETLAND DETER	NOITANIMS	DATA FORM -	- Arid West Region
Project/Site: PRC 42 (DCCO MIMILA Applicant/Owner: State Can & S & Investigator(s): In gamelly Landform (hillslope, terrace, etc.): There ce Subregion (LRR): LCPC Soil Map Unit Name: Goolet Lean O - S Are climatic / hydrologic conditions on the site typical for this Are Vegetation, Soil, or Hydrology n SUMMARY OF FINDINGS - Attach site map s	Section Sectin Section Section Section Section Section Section Section Section	on, Township, Rar I relief (concave, concave, concave) 29 25 Yes No Are "I alic? (If ne	State: CA Sampling Point: 19 nge: T4N & 2 9 W convex, none): 1000 Slope (%): Long: U9 912 7 7 Datum: NWI classification: E2 CM 1 P (If no, explain in Remarks.) Normal Circumstances" present? Yes No eded, explain any answers in Remarks.)
Hydric Soil Present? Wetland Hydrology Present? Remarks:	0	Is the Sampled within a Wetlan	d? Yes No
Brackish u	navsh	at	Pell Campor Creek
VEGETATION – Use scientific names of plan	ts.		,
<u>Tree Stratum</u> (Pfot size:) 1 2 3.	% Cover Spe	ninant Indicator cles? Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: (B)
4	= To	otal Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by:
3		otal Cover	OBL species
1. Distichtis spitata 2. Jaumen Carnosa 3. Bolboschoenus robuttus 4.	80 Y. 15 A	er FAC 10 OBI	Column Totals: (OO (A) 260 (B) Prevalence Index = B/A = 2, 6 Hydrophytic Vegetation Indicators:
5			
Woody Vine Stratum (Plot size:) 1 2.		otal Cover	Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum % Cover	= To		Hydrophytic Vegetation Present? Yes No
Remarks:			

사용 기계 등 경우 (1985년 1985년 1985년 1987년) 교육 (1987년) 전 1987년 (1987년 1987년) 1987년 (1987년) 1987년 (1987년) 1987년 1987년 - 1987년 (1987년) 1987년 (1987년	h needed to document the indicator or confin	rm the absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type ¹ Loc ²	Texture Remarks
And the second s	Annual An	Management because the second
minutes with a property beat and a property of the party		and annual transfer of the state of the stat
		2
Type: C=Concentration, D≕Depletion, RM=l Tydric Soil Indicators: (Applicable to all L	Reduced Matrix, CS=Covered or Coated Sand (Grains. ² Location: PL≕Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
A		
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
_ Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	1
_ Thick Dark Surface (A12)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Vernal Pools (F9)	wetland hydrology must be present,
estrictive Layer (if present):		unless disturbed or problematic.
Type:		Hydric Soil Present? Yes No
Depth (inches):		I Trutte son Flesentr les 140
Remarks:		
emarks:		
/DROLOGY		
YDROLOGY Vetland Hydrology Indicators:		
YDROLOGY Vetland Hydrology Indicators: trimary Indicators (minimum of one required;	check all that apply)	Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators; trimary Indicators (minimum of one required; Surface Water (A1)	check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
/DROLOGY Vetland Hydrology Indicators; rimary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2)	check all that apply) Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
/DROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
YDROLOGY Vetland Hydrology Indicators: trimary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
/DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required;Surface Water (A1)High Water Table (A2)Saturation (A3)Water Marks (B1) (Nonriverine)Sediment Deposits (B2) (Nonriverine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	Secondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2)
/DROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
VDROLOGY Vetland Hydrology Indicators: trimary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman County (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one required; _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) (Nonriverine) _ Sediment Deposits (B2) (Nonriverine) _ Drift Deposits (B3) (Nonriverine) _ Surface Soil Cracks (B6) _ Inundation Visible on Aerial Imagery (B7)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman Company Compa	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
YDROLOGY Vetland Hydrology Indicators: Inimary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman County (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4)	Secondary Indicators (2 or more required) — Water Marks (B1) (Riverine) — Sediment Deposits (B2) (Riverine) — Drift Deposits (B3) (Riverine) — Drainage Patterns (B10) Doots (C3) — Dry-Season Water Table (C2) — Crayfish Burrows (C8) C6) — Saturation Visible on Aerial Imagery (
VDROLOGY Vetland Hydrology Indicators; Irimary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) ield Observations:	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C1) Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Tield Observations:	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman Second Fresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C1) Thin Muck Surface (C7) Other (Explain In Remarks) Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C) Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Veter Table Present? Ves Note that the present is the present of the pr	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C) Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Vertland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) Fligh Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Tield Observations: Surface Water Present? Ves Note that the present is t	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C) Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Tield Observations: Surface Water Present? Veter Table Present? Ves Naturation Present? Yes Naturation Present?	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): Wet	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Tield Observations: Surface Water Present? Veter Table Present? Ves Naturation Present? Yes Naturation Present?	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): Wei witoring well, aerial photos, previous inspections)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)