

# **DRAFT**

# **Aquatic Resources Delineation Report**

Wheatland Regional Sewer Pipeline

Wheatland, Yuba County, California August 2022

#### **Prepared for:**

City of Wheatland Community Development Department, Planning Division 111 C Street Wheatland, California 95692

#### **Recommended Citation:**

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#### **DRAFT**

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#### 1.0 INTRODUCTION

This report presents the results of a delineation of aquatic resources within the Wheatland Regional Sewer Pipeline Project Area (Study Area) conducted by Madrone Ecological Consulting, LLC (Madrone). The Study Area alignment comprises approximately 232 acres and is generally located through portions of the City of Wheatland (south on Malone Avenue to east of State Route 65) and unincorporated Yuba County (north on Jasper Lane, west through farmland, and north towards South Beale Road) (**Figure 1**). The Study Area begins in the south west at about latitude 39.007522 north and longitude -121.422697 west and ends in the north at about latitude 39.043344 north and longitude -121.476238 west. The Study Area is located within unsectioned portions of Township 13 North, Range 5 East and Township 14 North, Ranges 4 and 5 East (MDB&M) of the "Wheatland, California" 7.5-Minute Series USGS Topographic Quadrangle (USGS 2022).

#### 1.1 Contact Information

The Study Area is an alignment that crosses numerous private parcels, and as a result, there are many property owners within the Study Area. We can provide a list of the property owners upon request.

#### **Project Proponent**

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#### 2.0 METHODOLOGY

Madrone biologists Daria Snider and Matt Shaffer conducted a delineation of aquatic resources within the Study Area on 28, 29, and 30 June and 27 July 2021. Water features and data points were mapped in the majority of the Study Area in the field with a GPS unit capable of sub-meter accuracy (Arrow 100). Three-parameter data (vegetation, soils, and hydrology) were collected at each data point, documenting wetland/waters or upland status, as appropriate. Some portions of the Study Area were inaccessible during the aquatic resource delineation. Because access to these areas was not available, aquatic resources in these areas were mapped using a combination of aerial photography interpretation and viewing from adjacent accessible areas. The delineation map was prepared in accordance with the *Updated Map and Drawing Standards for the South Pacific Division Regulatory Program* (USACE 2016a). The GPS data was overlaid on an ortho-rectified aerial photograph (Maxar 2021).

The delineation was performed in accordance with the *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987), the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0)* (USACE 2008a), *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States* (USACE 2008b), and the Sacramento District's *Minimum Standards for Acceptance of Preliminary Wetlands Delineations* (USACE

2016b). U.S. Army Corps of Engineers (USACE) regulations (33 CFR 328) were used to determine the presence of Waters of the United States other than wetlands. The most recent *National Wetland Plant List* (Lichvar et al. 2021) was used to determine the wetland indicator status of plants observed in the Study Area. The *Jepson eFlora* (Jepson Flora Project 2022) was used for plant nomenclature.

#### 3.0 EXISTING CONDITIONS

The Study Area is located within and to the north and northeast of the City of Wheatland. The southern portion of the Study Area primarily runs along 6<sup>th</sup> Street, Spenceville Road, and Jasper Lane between urban and rural residences and agricultural fields (**Figure 3**). In the northern portion of the Study Area, the alignment runs west along farm roads through orchards and other agricultural fields and incorporates annual brome grassland and irrigated pastures. Ruderal and disturbed areas occur along the edges of fields and roadways.

The bulk of the aquatic resources mapped within the Study Area are roadside ditches along the roads, and irrigation ditches that service the agricultural fields in the area. Seasonal wetlands and seasonal wetland swales are present in the annual brome grasslands and hay fields. The Study Area crosses two major intermittent drainages: Dry Creek on Jasper Lane, and Best Slough in the northern portion of the Study Area.

The Study Area is extremely flat, with lower elevations along the Best Slough and Dry Creek channels. Elevations range from about 80 feet above mean sea level at Pump Station 1 to a high of about 110 feet at the Spenceville Road/Jasper Lane intersection near Pump Station 2. From Pump Station 2, the elevation gradually drops to a low of about 75 feet at Best Slough.

Surrounding land uses are largely consistent with land uses within the Study Area (rural residential and agriculture).

#### 3.1 Terrestrial Vegetation Communities

#### 3.1.1 Annual Brome Grassland

Annual brome grasslands occur primarily in the northern portion of the Study Area. Dominant plant species in this community includes soft brome (*Bromus hordeaceus*), ripgut brome (*B. diandrus*), medusahead grass (*Elymus caput-medusae*), wild oat (*Avena fatua*), perennial ryegrass (*Festuca perennis*), brome fescue (*F. bromoides*), rattail fescue (*F. myuros*), filaree (*Erodium botrys*), rose clover (*Trifolium hirtum*), and hairy hawkbit (*Leontodon saxatilis*).

#### 3.1.2 Hay Field

Hay fields occur in the southern portion of the Study Area. The hay fields are similar to the annual brome grasslands but are dominated by perennial ryegrass and are mowed regularly.

#### 3.1.3 Canarygrass Grassland

An extensive floodplain area south of Best Slough in the northern portion of the Study Area is a canarygrass grassland. This area supports approximately 70% cover of Harding grass (*Phalaris aquatica*). Perennial ryegrass and broad-leaved pepperweed (*Lepidium latifolium*) co-dominate this area, and coyote brush (*Baccharis pilularis*) is scattered throughout. The density of these perennial species appears to preclude almost any other vegetation from establishing in this area.

#### 3.1.4 Armenian Blackberry Bramble

The Armenian blackberry (*Rubus armeniacus*) brambles are monocultures of Armenian blackberry, as this species forms dense patches that shade out all other vegetation. These brambles occur primarily in the northern portion of the Study Area.

#### 3.1.5 Eucalyptus Woodland

A Eucalyptus woodland occurs along the eastern edge of an irrigation ditch in the northern portion of the Study Area. This woodland is a monoculture of red gum (*Eucalyptus camaldulensis*), as these trees produce chemicals that have allelopathic effects on other plant species.

#### 3.1.6 Riparian Woodland

Riparian woodland occurs along the edges of portions of Best Slough and Dry Creek. This vegetation community is dominated by Oregon ash (*Fraxinus latifolia*), Fremont's cottonwood (*Populus fremontii*) and buttonwillow (*Cephalanthus occidentalis*). Other common plant species in this community are black willow (*Salix gooddingii*), poison-oak (*Toxicodendron diversilobum*), Armenian blackberry, and South American vervain (*Verbena bonariensis*). This community is considered a Sensitive Natural Community by CDFW (CDFW 2018).

#### 3.1.7 Sandbar Willow Riparian Scrub

Sandbar willow (*Salix exigua*) riparian scrub occurs along the edges of some of the irrigation ditches in the northern portion of the Study Area. This community is almost entirely a monoculture of sandbar willow, but other plants common in the adjacent ditches also occur, including tall nutsedge (*Cyperus eragrostis*) and slender willowherb (*Epilobium ciliatum*).

#### 3.1.8 Valley Oak Woodland

A few stands of Valley oak (*Quercus lobata*) woodland have been mapped within the Study Area. These occur both as narrow strips along the edges of roadways and as larger stands in more natural settings. This community is typically mature Valley oak trees with an annual brome grassland understory, with an occasional shrub layer and very little herbaceous vegetation. Common shrubs observed in the Valley oak

woodland within the Study Area include California rose (*Rosa californica*), olive (*Olea europaea*), and Armenian blackberry (*Rubus armeniacus*). This community is considered a Sensitive Natural Community by CDFW (CDFW 2022).

#### 3.1.9 High Intensity Agriculture

A substantial portion of the Study Area is comprised of high intensity agricultural crops, including rice fields, irrigated field crops, orchards, and disced fields. Rice fields are primarily occupied by rice (*Oryza sativa*), but also support a number of marsh species such as broad-leaved arrowhead (*Sagittaria latifolia*) and blue mud plantain (*Heteranthera limosa*), especially around the edges. The irrigated field crops were freshly planted in grass that was unidentifiable at the time of the 2021 survey, and aerial photograph review indicates that these fields are regularly irrigated. They appear heavily maintained and likely support a monoculture of the crop plant. The orchards within the Study Areas support almost exclusively the tree crop being grown with very little herbaceous weedy vegetation in the understory. The predominant tree crop is European plum (*Prunus domestica*), but there are also some English walnut (*Juglans regia*) orchards. Quite a few fields in the northern portion of the Study Area were disced and being graded during the field survey. During a subsequent survey, it appeared that these fields were being prepared to be planted with a tree crop, but no planting had occurred. All of these high intensity agricultural crops are heavily maintained, and almost entirely comprised of cultivated non-native plants.

#### 3.1.10 Irrigated Pasture

The irrigated pastures are fields grazed by horses and cattle that are comprised of a variety of facultative plant species, such as perennial ryegrass (*Festuca perennis*), Baltic rush (*Juncus balticus*), and reed fescue (*Festuca arundinacea*).

#### 3.1.11 Ruderal

Ruderal areas are areas dominated primarily by forbs that occur largely in the unmaintained areas adjacent to agricultural fields or roadways. Dominant plant species in the ruderal areas include Russian thistle (Salsola tragus), bristly ox-tongue (Helminthotheca echioides), cheese weed (Malva neglecta), toothpick weed (Ammi visnaga), panicled willow-herb (Epilobium brachycarpum), black mustard (Brassica nigra), wild radish (Raphanus sativus), prickly wild lettuce (Lactuca serriola), and grass species typical of the annual brome grasslands.

#### 3.1.12 Developed

Developed areas include areas mapped as Urban, Rural Residential, and Dirt Roads. These are areas of predominantly impermeable surfaces (pavement, buildings, etc.), regularly maintained dirt roadways, or areas of maintained landscaping adjacent to residential or commercial/industrial development. These areas generally do not support special-status species habitat, apart from foraging perches for raptors or possibly but unlikely, nesting in landscape trees.

#### 3.2 Hydrology

Surface water within the Study Area is driven by a combination of rainfall and stormwater runoff and agricultural irrigation. Water generally drains to either Best Slough or Dry Creek, and then both drain west to their connection with the Bear River. The majority of the Study Area is located in the *Grasshopper Slough-Dry Creek Watershed*, but the northern portion is located within Best Slough-Bear River Watershed. Both of these are part of the larger *Upper Bear River Watershed* (HUC 18020126) (USGS 1984).

Note that the Study Area crosses the historic channel of Grasshopper Slough along Spenceville Road, but no drainage has been mapped there. There is a substantial depression in this area, and culverts that run under the road, but no evidence of any water flow is present, except for a narrow drainage ditch that appears to drain flow from the adjacent field into the historic channel. It appears that the water that used to flow down this channel has since been diverted for irrigation purposes approximately one mile upstream.

#### 3.3 Soils

The Natural Resources Conservation Service identifies six soil mapping units within the Study Area (NRCS 2022) (**Figure 2**): Hollenbeck silty clay loam, 0 to 1 percent slopes (131); Conejo loam, 0 to 1 percent slopes, MLRA 17 (141); Conejo loam, 0 to 2 percent slopes, MLRA 17 (142); Horst silt loam, 0 to 2 percent slopes (170); Redding gravelly loam, 0 to 8 percent slopes, MLRA 17 (208); and San Joaquin loam, 0 to 1 percent slopes (214). None of these soil units consist of hydric components, but four units (131, 170, 208, and 214) contain hydric inclusions (NRCS 2022).

#### 3.4 Driving Directions

The Study Area is located along various roads in Wheatland, California. To access the Study Area from Sacramento, drive east on I-80 towards Roseville, and then head north on Highway 65. Highway 65 runs through Wheatland, and portions of the Study Area can be accessed by taking Main Street in either direction, or by continuing on Highway 65 through town to South Beale Road; the Study Area is adjacent to the eastern edge of the Highway in this area.

#### 4.0 RESULTS

A total of approximately 11.121 acres of aquatic resources were delineated within the Study Area, including approximately 4.226 acres of wetlands and 6.895 acres of other waters. A summary of the aquatic resources delineated within the Study Area and their acreages is shown in **Table 1** below.

Table 1. Aquatic Resources Delineated within the Study Area

Aquatic Resource Type	Acreage
Wetlands	
Seasonal Marsh	0.199
Seasonal Wetland	1.170

**Table 1. Aquatic Resources Delineated within the Study Area** 

Aquatic Resource Type	Acreage
Seasonal Wetland Swale	1.935
Vernal Pool	0.922
Other Waters	
Perennial Creek	1.624
Drainage Ditch	2.016
Irrigation Ditch	0.531
Roadside Ditch	2.724
TOTAL	11.121

Data sheets are included in **Attachment A**. Maps of the aquatic resources within the Study Area are provided in **Attachment B**, and a list of all of the plant species observed in the Study Area with their wetland indicator status is included in **Attachment C**. GIS Shapefiles and the *Aquatic Resources Excel Spreadsheet* for the aquatic resources shown on **Attachment B** will be digitally conveyed with this report. Each of the feature types are described below.

#### 4.1 Vernal Pool

Vernal pools are topographic basins that are underlain with an impermeable or semi-permeable hardpan or duripan layer. They inundate during the wet season, and typically dry by late spring and remain dry through the summer months. Vernal pools are differentiated from depressional seasonal wetlands based upon the predominance of vernal pool endemic plant species. The vernal pools on-site were largely dominated by wavy-stemmed popcorn flower (*Plagiobothrys undulatus*), smooth goldfields (*Lasthenia glabberima*), Great Valley coyote-thistle (*Eryngium castrense*), and Mediterranean beard grass (*Polypogon maritimus*). Other common plant species within the vernal pools includes hyssop loosestrife (*Lythrum hyssopifolia*), purslane speedwell (*Veronica xalapensis ssp. peregrina*), creeping spikerush (*Eleocharis macrostachya*), Fitch's spikeweed (*Centromadia fitchii*), Mediterranean barley, perennial ryegrass, and hairy hawkbit.

Vernal pools (VPs) 1-5 appear largely isolated, but given sufficient rain could potentially overflow sufficient to drain to Drainage Ditch (DD) 7 or DD 8, which is a tributary of Best Slough. Similarly, VPs 6-8 could overflow into SWS 4, which is tributary to DD 6, which is a tributary of Best Slough. As noted above, Best Slough is a tributary to the Bear River, which is tributary to the navigable Feather River. VP 9 occurs in the southern portion of the Study Area and is quite isolated on the top of a small hill in the middle of a hay field to the north of Grasshopper Slough. Several data points were collected within the vernal pools, and all exhibited hydrophytic vegetation, hydric soils, and wetland hydrology.

#### 4.2 Seasonal Wetland

Seasonal wetlands are depressional wetlands that pond water seasonally. These features are often topographically and hydrologically similar to vernal pools, but have a short hydroperiod, and as a result,

support a slightly different plant community that is not characterized by a dominance of vernal pool endemics. The seasonal wetlands within the Study Area are shallow depressional wetlands that are dominated by facultative grasses and forbs characteristic of disturbed areas, including perennial ryegrass, Mediterranean barley, toad rush (*Juncus bufonius*), hyssop loosestrife, Great Valley coyote-thistle, and shining peppergrass (*Lepidium nitidum*).

Seasonal wetlands (SWs) 1-22 appear largely isolated but given sufficient rain could potentially overflow sufficient to drain to various on-site and off-site roadside and drainage ditches, all of which are tributary to Best Slough. SWs 23-25 could theoretically overflow directly into Best Slough. As noted above, Best Slough is a tributary to the Bear River, which is tributary to the navigable Feather River. SW 26 also appears to be largely isolated, but given sufficient rain could potentially overflow sufficient to drain into Roadside Ditch (RD 28). RD 28 also appears largely isolated, but in such a rain event, it could be tributary to Grasshopper Slough through RD 29. As noted above, Grasshopper Slough is a tributary to the Bear River, which is tributary to the navigable Feather River. Several data points were collected within the vernal pools, and all exhibited hydrophytic vegetation, hydric soils, and wetland hydrology.

#### 4.3 Seasonal Wetland Swale

Seasonal wetland swales are sloping, linear seasonal wetlands that convey storm water runoff, and may detain it for short periods of time. Vegetation within the swales is the same as that found within the depressional seasonal wetlands on-site.

Seasonal wetland swale (SWS) 1 drains south into SW-3, which may overflow into DDs 2, 3, and 4 during heavy rain years. DDs 3 and 4 and SWSs 2 and 3 likely drain southwest across Highway 65 into an off-site ditch. SWSs 4-7 drain west into DD 6. Both DD 6 and the offsite ditches are tributary to Best Slough. As noted above, Best Slough is a tributary to the Bear River, which is tributary to the navigable Feather River. Several Data Points were collected within the seasonal wetland swales, and they all contained hydrophytic vegetation, soils, and wetland hydrology.

#### 4.4 Seasonal Marsh

Two seasonal marshes totaling about 0.20 acre were mapped within the Study Area. Marsh 1 is adjacent to DD 6, which follows and abuts a section of railroad track at the edge of an irrigated pasture. Marsh 2 is within an area of canarygrass grassland that is adjacent to a dirt road that travels between an established orchard and the grassland. These marsh features are dominated by perennial wetland plant species such as Baltic rush (*Juncus balticus*), tall nutsedge (*Cyperus eragrostis*), creeping spikerush, and smartweed (*Persicaria* species).

As noted above, Marsh 1 is adjacent to DD 6, which is tributary to Best Slough. Marsh 2 is located in an apparent oxbow cutoff of Best Slough and could conceivably overflow into Best Slough during extreme rain events. As noted above, Best Slough is a tributary to the Bear River, which is tributary to the navigable Feather River.

#### 4.5 Perennial Creek

Two perennial creeks pass through the Study Area. These are Best Slough near the northern end of the pipeline alignment and Dry Creek where the creek crosses under Jasper Lane. The perennial creeks are primarily unvegetated within the channel due to the depth of the water, but aquatic species, such as parrot's feather (*Myriophyllum aquaticum*), pond weed (*Potamogeton* species), and water primrose (*Ludwigia peploides*) occur sporadically. The lower banks support a diverse suite of perennial hydrophytes, such as rice cutgrass (*Leersia oryzoides*), smartweed, Australian rush (*Juncus usitatus*), Santa Barbara sedge (*Carex barbarae*), and dallisgrass (*Paspalum dilatatum*). Portions of the upper banks support the riparian woodland vegetation community described in Section 3.1.6 above. The two creeks appear to be perennial, although flows may cease in late summer during extremely dry years.

Both Best Slough and Dry Creek drain to the Bear River, which is tributary to the navigable Feather River, as previously described. The creeks were mapped at the OHWM, which was determined based on sediment sorting, extent of vegetation, and topographic breaks.

#### 4.6 Ditches

Three types of ditches occur within the Study Area. These include several segments of drainage ditch (about 2.02 acres total) that convey runoff from developed and agricultural areas; about 0.53 acre of irrigation ditches that convey irrigation water to local farming operations; and about 2.72 acres of roadside ditches that convey stormwater runoff along paved roadways. The roadside ditches are either unvegetated or occupied by weedy ruderal vegetation; these features are ephemeral and convey flow only during and immediately following rain events. The irrigation ditches are mostly unvegetated within the channel as there are either dry (when not conveying flow to fields) or full of several feet of water in the summer when they are conveying flow to the fields. The edges of the irrigation channels support weedy wetland vegetation, such as tall nutsedge, dallisgrass, willowherb (*Epilobium brachycarpum*), and smartweed. The drainage ditches drain both agricultural runoff and stormwater, and they are generally vegetated by marshy vegetation, such as creeping spikerush (*Eleocharis macrostachya*) and cattails (*Typha latifolia*), and bordered by Fremont's cottonwood, black willow (*Salix gooddingii*) and South American vervain (*Verbena bonariensis*).

The ditches were mapped at the OHWM, which was determined based on sediment sorting, extent of adjacent vegetation, extent of scour, and topographic breaks.

#### 5.0 CONCLUSION

The 11.121 acres of aquatic resources mapped on the site may be jurisdictional, and the applicant is requesting a Preliminary Jurisdictional Determination for the Aquatic Resources Delineation Map of the Study Area (Attachment B). A JD request form is attached in Attachment D. A signed statement providing USACE staff accompanied access to the accessible portions of the Study Area is included as Attachment E.

#### 6.0 REFERENCES

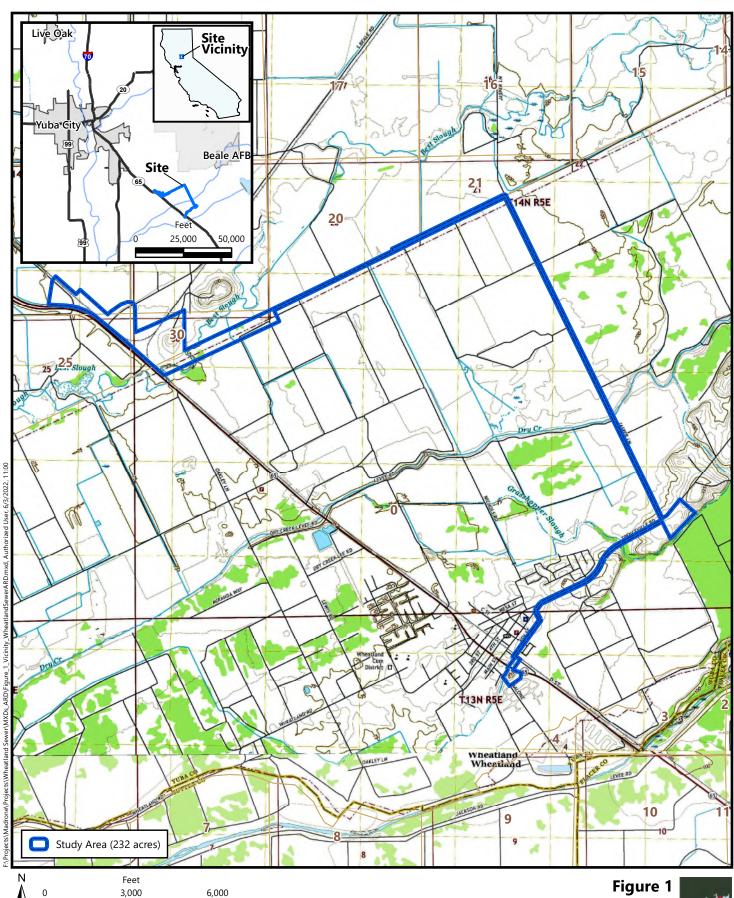
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# Figures

Figure 1. Vicinity Map

Figure 2. Natural Resources Conservation Service Soils

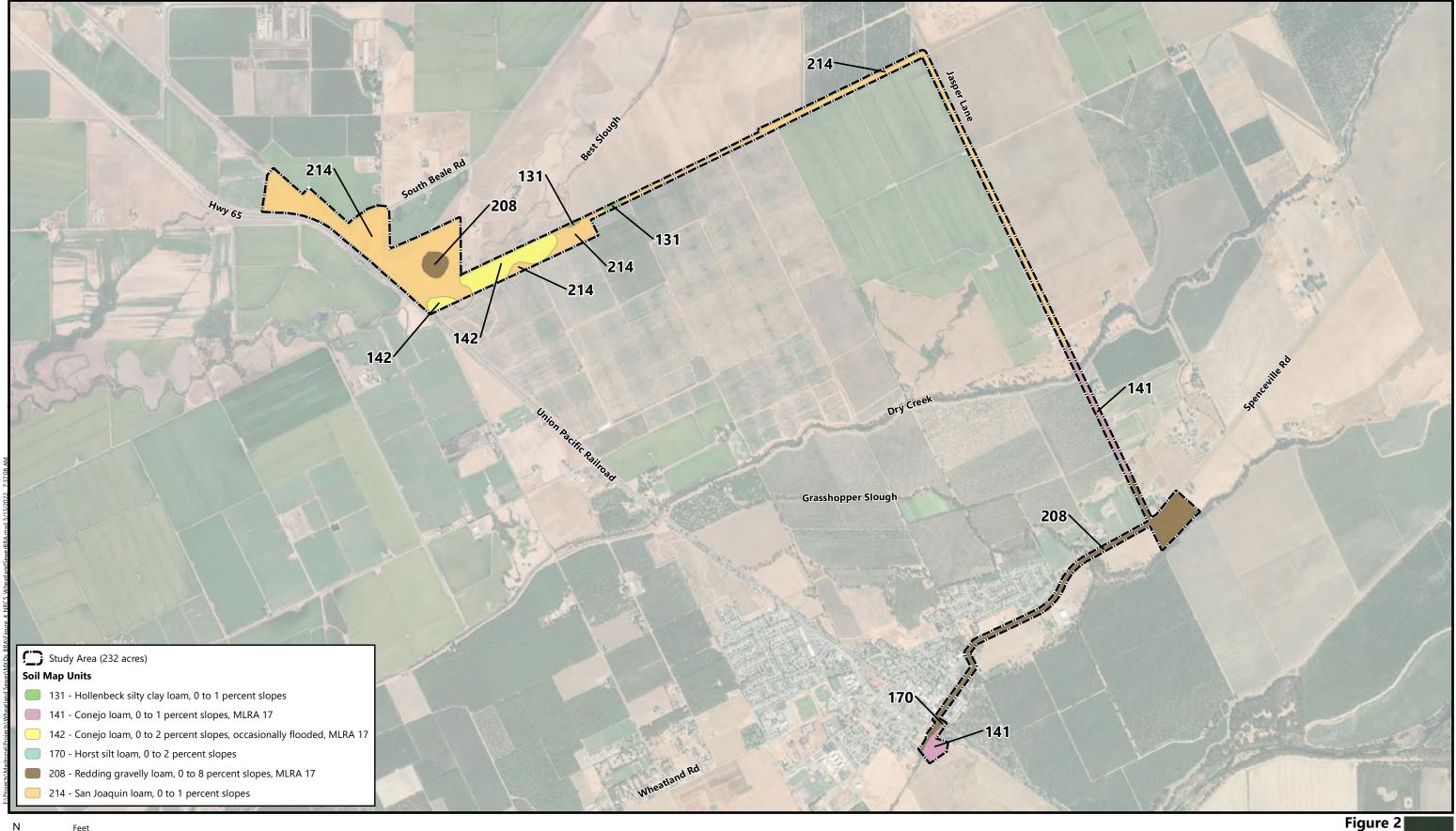
Figure 3. Aquatic Resources



Source: United States Geologic Survey, 2022 "Wheatland, California" 7.5-Minute Topographic Quadrangle Section 24 and 25, Township 14 North, Range 4 East; and Section 19 and 30, Township 14 North, Range 5 East, MDB&M Longitude -121.448693, Latitude 39.037041

# Figure 1 Site and Vicinity





N Feet
0 1,000 2,000

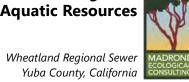
Figure 2 Natural Resources Conservation Service Soils







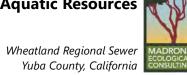








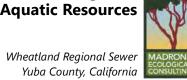










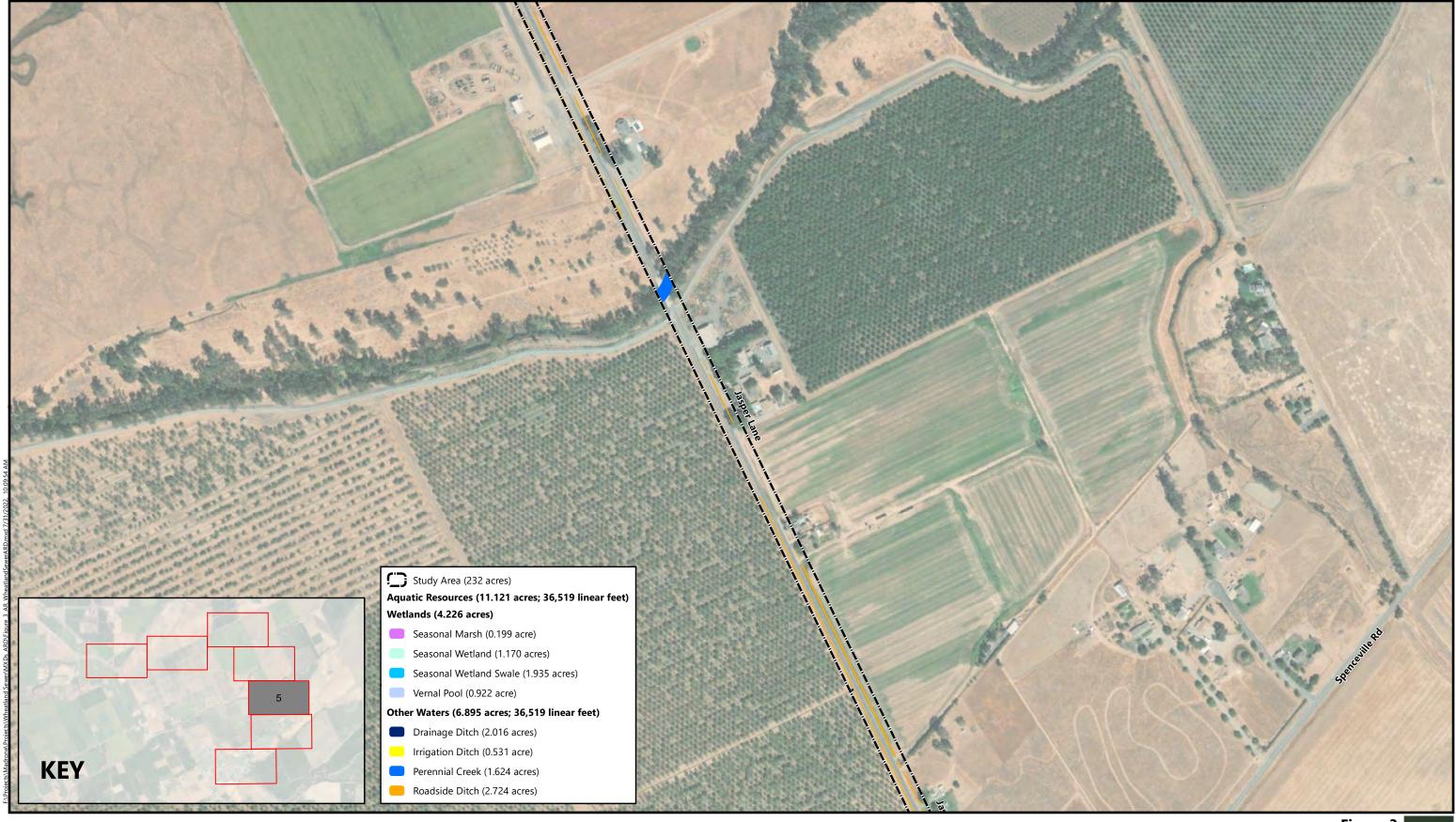






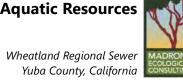


Wheatland Regional Sewer Yuba County, California









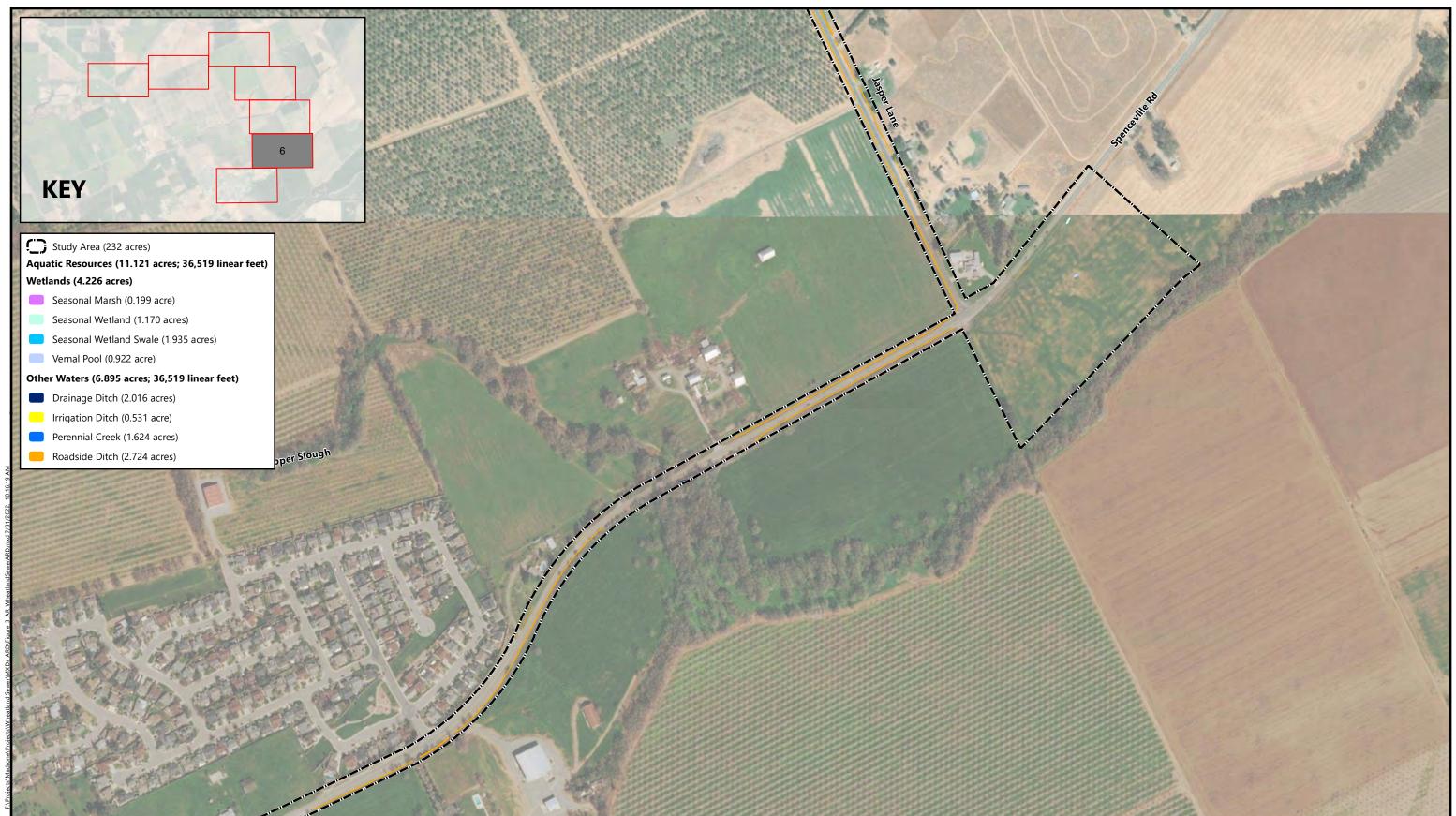












Figure 3 Aquatic Resources



### **Attachments**

Attachment A. Arid West Wetland Determination Data Forms

Attachment B. Aquatic Resources Delination Map

Attachment C. Plant Species Observed within the Study Area

Attachment D. JD Request Form

Attachment E. Access Letter

# Attachment A

**Arid West Wetland Determination Data Forms** 

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

Project/Site:	Wheatland Regiona	l Sewer		City/County:	Yuba Coun	ıty			Samp	oling Date:		06/28/21
Applicant/Owner:	City of Wheatland						State: 0	CA	Samp	oling Point:	DP 1	
Investigator(s):	Daria Snider			Section	n, Township,	, Range:	Unsection	oned Towns	ship 14 N	√, Range 5	E, MD	B&M
Landform (hillslop	oe, terrace, etc.):	Floodplain		Local re	lief (concave	e, convex,	none): <u>(</u>	Concave		Slop	oe (%):	0-1
Subregion (LRR):	Mediterranean Calif	ornia (LRR C)	Lat:		39.03	3717985	Long:_		-121.46	32727	Datum	: NAD 83
Soil Map Unit Nar	me: 142 - Conejo	loam, 0 to 2 per	rcent slopes,	occasionally	flooded, MI	LRA 17 N	√WI Clas	ssification:	None			
Are climatic / hydr	rologic conditions on	the site typical fo	or this time of	year?	Yes_	Χ	No_		(If no, e	xplain in Re	marks	s.)
Are Vegetation	, Soil	_, or Hydrology		significantly	disturbed?	Are "N	ormal Ci	ircumstance	es" prese	ent? Yes	X	No
Are Vegetation	, Soil	, or Hydrology		naturally pro	oblematic?	(If need	ded, expl	lain any ans	swers in	Remarks.)		
SUMMARY OF	F FINDINGS – A	ttach site ma	p showing	ı samplinç	g point lo	cations,	transe	ects, imp	ortant	features,	, etc.	
Hydrophytic Vege	tation Present?	Yes N	No X									
Hydric Soil Preser		Yes N	No X		ampled Are		Yes		No	X		
Wetland Hydrolog	y Present?	Yes X N	No	within a	a Wetland?		_				-	
	ncing an extremely di		nree wetland (	criteria.								
VEGETATION	- Use scientific	names of pl		Danisant	la di a da a	Daminar			4.			
			Absolute % Cover	Dominant Species?				t workshee				
Tree Stratum	(Plot size:	)						nant Specie ACW, or FA		•		(4)
1. 2						Tatal Nive		Daminant		0		_(A)
3.						Species A		Dominant All Strata		1		(B)
٥. س						•						_(D)
T			0 =	=Total Cover	r			ant Specie ACW, or FA		0%		_(A/B)
	Stratum (Plot size: _	)						x Workshe	et:			
1						-	al % Cov			Multiply b	by:	_
2. 2						OBL spec	_		x1 =	0		_
3. 5.						FACW spec	_		x2 = x3 =	6		_
J			0 =	=Total Cover		FACU sp	_		x4 =	48		_
Herb Stratum	(Plot size: 1 mete	er²)		- Total Covel	1	UPL spec	_		x5 =	0		_
Leontodon s		<u> </u>	10	X	FACU	Column 1	_		(A)	54		 (B)
2. Festuca pere			2		FAC		_	ex = B/A =	( ')	3.9	-	_(_/
3. Festuca broi					FACU			on 2,, .				_
4. Centromadia			1		FACU	Hydroph	nytic Vec	getation In	dicators	 ;:		
5. Briza minor			T		FAC			nce Test is				
6. Croton setig	er		T		UPL		Prevaler	nce Index is	s ≤3.0 <sup>1</sup>			
7. Acmispon ar	nericanus		T		UPL		Morphol	logical Ada	ntations <sup>1</sup>	(Provide s	upport	ina
8. Juncus bufo			T		FACW					parate shee		g
9. Bromus hord	deaceus		T		FACU	Ī	Problem	natic Hydro	phytic Ve	egetation <sup>1</sup> (I	Explair	n)
			14 :	=Total Cover	r							
Woody Vine St	tratum (Plot size:	)						ric soil and s disturbed		hydrology ı ematic.	must	
2						Hydroph	ıvtic					
% Bare Ground	d in Herb Stratum	86	% Cover of B	=Total Cover Biotic Crust _	r 0	Vegetation	on		Yes	No	) <u> </u>	<u>(                                    </u>

US Army Corps of Engineers Arid West - Version 2.0 SOIL Sampling Point: DP 1

Profile Des	scription: (Describe t	o the depth r	eeded to docu	ment t	he indica	tor or c	onfirm the absence	e of indicators.)
Depth	Matrix		Redo	x Featı	ıres		_	
(inches)	Color (moist)	% Co	olor (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-1	7.5 YR 3/3	100					clay loam	
1-12	7.5 YR 4/4	98 7.5	YR 3/3	2	D	М	clay loam	
<sup>1</sup> Type: C=C	oncentration, D=Depletion	n, RM=Reduced	Matrix, CS=Cove	ered or (	Coated Sar	nd Grains	s. <sup>2</sup> Location: PL=Pore	e Lining, M=Matrix.
Hydric Soi	il Indicators: (Applica	hle to all I Ri	Re unless othe	rwisa	noted )		Indicators for P	Problematic Hydric Soils <sup>3</sup> :
_	sol (A1)	ible to all Livi	Sandy Re					(A9) (LRR C)
	Epipedon (A2)		Stripped N		•			(A10) (LRR B)
	Histic (A3)				•		<del></del>	
	, ,		Loamy Mu	-			Reduced V	• •
	ogen Sulfide (A4) fied Layers (A5) ( <b>LRR (</b>	<b>~</b> )	Loamy Gle	-			<del></del>	t Material (TF2)
<del></del>		•)	Depleted I Redox Da				Other (Exp	lain in Remarks)
<del></del>	Muck (A9) (LRR D)	o (A11)				`\		
	eted Below Dark Surfac	e (ATT)	Depleted I		•	)		
	Dark Surface (A12) y Mucky Mineral (S1)		Redox De Vernal Po					ators of hydrophytic vegetation and
	y Gleyed Matrix (S4)		vernar Fo	פוט (ו	,			and hydrology must be present, nless disturbed or problematic.
	E Layer (if present):						ui	liess disturbed of problematic.
	E Layer (II present).							
Type:	\							o Van Na V
Depth (inch Remarks:	nes):						lydric Soil Present	? Yes No X
No hydric soi	I indicators detected.							
HYDROLOG	Υ							
Wetland H	ydrology Indicators:							
Primary Inc	dicators (minimum of or	ne required; ch	neck all that app	ly)			Seco	ndary Indicators (2 or more required)
Surfa	ce Water (A1)		Salt Crust	(B11)				Water Marks (B1) (Riverine)
High \	Water Table (A2)		Biotic Crus	st (B12	)			Sediment Deposits (B2) (Riverine)
Satura	ation (A3)		Aquatic In	vertebr	ates (B13	)		Drift Deposits (B3) (Riverine)
Water	r Marks (B1) ( <b>Nonriver</b>	ine)	Hydrogen	Sulfide	Odor (C1	)		Drainage Patterns (B10)
Sedin	nent Deposits (B2) (No	nriverine)	Oxidized F	Rhizosp	heres alo	ng Livin	g Roots (C3)	Dry-Season Water Table (C2)
Drift [	Deposits (B3) (Nonrive	rine)	Presence	of Red	uced Iron	(C4)		Crayfish Burrows (C8)
X Surfa	ce Soil Cracks (B6)		Recent Iro	n Redu	uction in T	illed So	ls (C6)	Saturation Visible on Aerial Imagery (C9)
Inund	ation Visible on Aerial I	magery (B7)	Thin Muck	Surfac	ce (C7)			Shallow Aquitard (D3)
Water	r-Stained Leaves (B9)		Other (Ex	olain in	Remarks	)		FAC-Neutral Test (D5)
Field Obse	ervations:							
Surface Wa	ater Present? Yes	No	X Depth (i	nches)	: <u></u>			
Water Tabl	le Present? Yes	No	X Depth (i					
Saturation		No	X Depth (i	nches)	:		Wetland Hydrolo	ogy Present? Yes X No
	apillary fringe)	ugo monitori	a well coriol of	notos r	rovious in	enectio	ns) if available:	
Describe Ked	corded Data (stream ga	uge, monitorii	ıy weii, aeriai pr	ιυιυຮ, β	nevious in	ispecti0	iis), ii avallable:	
Remarks:								

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

Project/Site:

Wheatland Regional Sewer City/County: Yuba County Sampling Date: 06/28/21

Applicant/Owner: City of Wheatland			State: CA Sampling Point: DP 2
Investigator(s): Daria Snider		Section, Townsh	nip, Range: Unsectioned Township 14 N, Range 5 E, MDB&M
Landform (hillslope, terrace, etc.): Floodplain		Local relief (conc	ave, convex, none): Concave Slope (%): 0-1
Subregion (LRR): Mediterranean California (LRR C)	) Lat:	39	0.03743649 Long: -121.4617239 Datum: NAD 83
Soil Map Unit Name: 214 - San Joaquin Ioam, 0	to 1 percent slop	oes	NWI Classification: None
Are climatic / hydrologic conditions on the site typica	I for this time of y	/ear? Yes	s No X (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrolog	gy s	significantly disturbed	d? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrolog		naturally problematic	c? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site n	nan showing	sampling point	locations, transects, important features, etc.
Commant of Theblidge - Attach site in	nap snowing		iocations, transects, important leatures, etc.
Hydrophytic Vegetation Present? Yes X	No		
Hydric Soil Present? Yes X	No	Is the Sampled A within a Wetland	Yes X No
Wetland Hydrology Present? Yes X	No	within a wettan	u:
Remarks:			
Region is experiencing an extremely dry year.			
region is experiencing an extremely dry year.			
Seasonal wetland on floodplain of Best Slough.			
<u>,                                      </u>			
VEGETATION - Use scientific names of	plants.		
		Dominant Indicator Species? Status	
Tree Stratum (Plot size:)	76 Cover	Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:
1			(A)
2			Total Number of Dominant
3			Species Across All Strata: 1 (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.			Total % Cover of: Multiply by:
2			OBL species
3	_ <del></del>		FACW species 0 x2 = 0
4	<del>-</del>	·	FACUencies 80 x3 = 240
5	0 =	 Total Cover	FACU species 0 x4 = 0
Herb Stratum (Plot size: 1 meter <sup>2</sup> )		Total Covel	UPL species 5 x5 = 25 Column Totals: 85 (A) 265 (B)
Festuca perennis	80	X FAC	Column Totals: 85 (A) 265 (B)  Prevalence Index = B/A = 3.1
2. Elymus caput-medusae	5	UPL	
3. Briza minor	- <del>- 5</del>	FAC	Hydrophytic Vegetation Indicators:
4. Festuca bromoides	- <del></del> -	FACU	=
5.	- <del></del> -	1700	Prevalence Index is ≤3.0 <sup>1</sup>
6.	<del>-</del>		<del> </del>
7.			Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8.	<del>-</del>		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
··· <u>·</u>	85 =	Total Cover	(
Woody Vine Stratum (Plot size: )			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1.			be present, unless disturbed or problematic.
2.			
		Total Cover	<ul><li>Hydrophytic</li><li>Vegetation</li></ul>
% Bare Ground in Herb Stratum 15	% Cover of Bi		Present? Yes X No
Remarks:			<u> </u>
nomana.			
The ground is not in fact visible; the 15% is comprise	ed of thatch.		
1			

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SOIL Sampling Point: DP 2

ches)	Color (moist)	%	Color (moist)	%	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
}	7.5 YR 4/2	95	10 YR 2/2	5	С	М	sandy clay lo	ar
0	7.5 YR 4/2	90	7.5 YR 4/6	10	С	PL	sandy clay lo	ar
pe: C=C	 Concentration, D=Depletic	on, RM=Re	educed Matrix, CS=C	overed or (	Coated Sa	nd Grains.	<sup>2</sup> Location: PL=F	Pore Lining, M=Matrix.
	il Indicators: (Applic	able to a	II LRRs, unless of	therwise	noted.)		Indicators fo	or Problematic Hydric Soils <sup>3</sup> :
Histo	sol (A1)		Sandy l	Redox (S5	5)		1 cm Mi	uck (A9) ( <b>LRR C</b> )
Histic	Epipedon (A2)		Strippe	d Matrix (S	S6)		2 cm Mi	uck (A10) ( <b>LRR B</b> )
Black	(Histic (A3)		Loamy	Mucky Mi	neral (F1)	)	Reduce	d Vertic (F18)
Hydro	ogen Sulfide (A4)		Loamy	Gleyed M	atrix (F2)	)	Red Pa	rent Material (TF2)
Strati	fied Layers (A5) ( <b>LRR</b>	<b>C</b> )	X Deplete	ed Matrix (	F3)		Other (E	Explain in Remarks)
1 cm	Muck (A9) ( <b>LRR D</b> )		Redox	Dark Surfa	ace (F6)			
- Deple	eted Below Dark Surfa	ce (A11)	 Deplete	ed Dark Su	urface (F7	7)		
_	Dark Surface (A12)	,		Depressio	-		31	digators of hydrophytic yearstatics and
_	y Mucky Mineral (S1)			· Pools (F9)				dicators of hydrophytic vegetation and vetland hydrology must be present,
_	y Gleyed Matrix (S4)				-		v	unless disturbed or problematic.
oe:								
epth (incl	hes):		<u> </u>			Ну	dric Soil Prese	ent? Yes X No
ROLOG etland H mary Ind Surfa High	Hydrology Indicators: dicators (minimum of one Water (A1) Water Table (A2)		Salt Cru Biotic C	ust (B11) Crust (B12				econdary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )
pth (incl arks: ROLOG etland H mary Inc Surfa High Satur	dicators (minimum of once Water (A1) Water Table (A2) water (A3)	one requir	Salt Cru Biotic C	ust (B11) Crust (B12 Invertebr	ates (B13	3)		econdary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Drift Deposits (B3) ( <b>Riverine</b> )
pth (incl arks: ROLOG etland H mary Inc Surfa High Satur Wate	dicators (minimum of once Water (A1) Water Table (A2) Fration (A3) Fr Marks (B1) (Nonrive	one requir	Salt Cru Biotic C Aquatic Hydrog	ust (B11) Crust (B12 Invertebr en Sulfide	ates (B13 Odor (C	3)	Se	econdary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Drift Deposits (B3) ( <b>Riverine</b> )  Drainage Patterns (B10)
pth (incl arks: ROLOG etland H mary Ind Surfa High Satur Wate	dicators: (minimum of on the water (A1) Water Table (A2) ration (A3) Water Marks (B1) (Nonrivement Deposits (B2) (No	one requir erine) onriverin	Salt Cru Biotic C Aquatic Hydrog  X Oxidize	ust (B11) Crust (B12 Invertebren Sulfide	ates (B13 Odor (C oheres ald	3) 1) ong Living		econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
ROLOG etland H mary Ind Surfa High Satur Wate Sedir Drift I	dicators (minimum of one Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonrive	one requir erine) onriverin	Salt Cru Biotic C Aquatic Hydrog   X Oxidize Presen	ust (B11) Crust (B12 Invertebren Sulfide d Rhizospoe of Red	ates (B13 Odor (Conheres ald uced Iron	3) 1) ong Living (C4)	<u>Se</u>   Roots (C3)	econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
ROLOG etland H mary Inc Surfa High Satur Wate Sedir Drift I	dicators (minimum of	erine) onriverin erine)	Salt Cru Biotic C Aquatic Hydrog	ust (B11) Crust (B12) Invertebren Sulfide d Rhizospece of Redu	ates (B13 Odor (Control of the control of the contr	3) 1) ong Living	<u>Se</u>   Roots (C3)	econdary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Drift Deposits (B3) ( <b>Riverine</b> )  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
pth (incl arks: ROLOG etland H mary Inc Surfa High Satur Wate Sedir Drift I Surfa	dicators (minimum of once Water (A1) Water Table (A2) Fration (A3) Fr Marks (B1) (Nonrivement Deposits (B2) (Nonrivement Cas) Deposits (B3) (Nonrivement Cas) Fration (A3) Deposits (B3) (Nonrivement Cas) Fration (A3) Deposits (B3) (Nonrivement Cas) Fration (A3) Frat	erine) conriverine erine) Imagery	Salt Cru Biotic C Aquatic Hydrog  Market April Hydrog Present Recent (B7) Thin Market April Biotic C Aquatic April April Biotic C April April Biotic C April April Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizospoe of Reduren Redu	ates (B13 Odor (C oheres ald uced Iron uction in 1 ce (C7)	3) 1) ong Living (C4) Filled Soils	<u>Se</u>   Roots (C3)	econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
ROLOG etland H imary Ind Surfa High Satur Wate Sedir Drift I Surfa Inunc	dicators (minimum of once Water (A1) Water Table (A2) Fration (A3) Fration (A3) Fration (B2) (Nonrive Fration (B3) (Nonrive Fration (B3) (Nonrive Fration (B3) (Nonrive Fration Visible on Aerial Fr-Stained Leaves (B9)	erine) conriverine erine) Imagery	Salt Cru Biotic C Aquatic Hydrog  Market April Hydrog Present Recent (B7) Thin Market April Biotic C Aquatic April April Biotic C April April Biotic C April April Biotic C	ust (B11) Crust (B12) Invertebren Sulfide d Rhizospece of Redu	ates (B13 Odor (C oheres ald uced Iron uction in 1 ce (C7)	3) 1) ong Living (C4) Filled Soils	<u>Se</u>   Roots (C3)	econdary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )  Sediment Deposits (B2) ( <b>Riverine</b> )  Drift Deposits (B3) ( <b>Riverine</b> )  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
Surfa Surfa High Satur Wate Sedir Surfa Inunc Wate	dicators (minimum of of or	erine) conriverine erine) Imagery	Salt Cru Biotic C Aquatic Hydrog  Ne X Oxidize Present Recent (B7) Thin Mu Other (I	ust (B11)  crust (B12) Invertebren Sulfide d Rhizospoe of Redu Iron Redu uck Surface	ates (B13 Odor (Copheres ald uced Iron uction in Toe (C7) Remarks	3) 1) ong Living (C4) Filled Soils	<u>Se</u>   Roots (C3)	econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
ROLOG etland H imary Ind Satur Wate Sedir Surfa Inunc Wate	dicators (minimum of	erine) conriverine erine) Imagery	Salt Cross	ust (B11) crust (B12) Invertebren Sulfide d Rhizosp ce of Redu Iron Redu uck Surfac Explain in	ates (B13 Odor (Copheres ald uced Iron uction in Toce (C7) Remarks	3) 1) ong Living (C4) Filled Soils	<u>Se</u>   Roots (C3)	econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
ROLOG etland H imary Ind Surfa High Satur Sedir Unift I Surfa Inunc Wate Wate Wate Indoors	dicators (minimum of of other Marks (Marks (	erine) conriverine erine) Imagery	Salt Cru   Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizosp ce of Red Iron Redu uck Surface Explain in	ates (B13) Odor (Copheres alcouced Iron uction in The (C7) Remarks	3) 1) ong Living (C4) Filled Soils	Roots (C3)	econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
ROLOG etland H mary Ind Surfa High Satur Wate Sedir Inunc Wate Wate Wate This beld Observace Water Tab	dicators (minimum of	erine) conriverine erine) Imagery	Salt Cru   Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizosp ce of Redu Iron Redu uck Surfac Explain in	ates (B13) Odor (Copheres alcouced Iron uction in The (C7) Remarks	3) 1) ong Living (C4) Filled Soils	Roots (C3)	econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
ROLOG Patland H mary Ind Surfa High Satur Sedir Surfa Inunc Surfa Undes	dicators (minimum of of of other Marks (B1) (Nonrivement Deposits (B2) (Nonrivement Deposits (B3) (Nonrivement Deposits (B3) (Nonrivement Deposits (B3) (Nonrivement Deposits (B6) (Monrivement Deposits (Monrivement Deposits (Monrivement Deposits (Monrivement Deposi	erine) conriverine erine) Imagery	Salt Cri   Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizosp ce of Redi Iron Redu uck Surface Explain in n (inches) n (inches)	ates (B13) Odor (Copheres alcouced Iron uction in The (C7) Remarks	3) 1) ong Living (C4) Filled Soils	Roots (C3)	econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
ROLOG Patland H mary Ind Surfa High Satur Sedir Unifit I Surfa Inunc Unifit I Surfa	dicators (minimum of	erine) conriverine erine) Imagery	Salt Cri   Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizosp ce of Redi Iron Redu uck Surface Explain in n (inches) n (inches)	ates (B13) Odor (Copheres alcouced Iron uction in The (C7) Remarks	3) 1) ong Living (C4) Filled Soils	Roots (C3)	econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

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

Project/Site: Wheatland Regional Sewer		Citv/Countv:	: Yuba Coun	tv	Samr	oling Date:	06/28/2
Applicant/Owner: City of Wheatland		, , ,		State: CA		oling Point:	
Investigator(s): Daria Snider		Section	n Township	Range: Unsectione		•	•
Landform (hillslope, terrace, etc.): Floodplain		_	=	e, convex, none): Non			e (%): 0-1
Subregion (LRR): Mediterranean California (LRR C)	Lat:	_	`	741893 Long:			Datum: NAD 83
- , ,			39.03			10731	Jalum. NAD 63
Soil Map Unit Name: 214 - San Joaquin loam, 0					cation: None		
Are climatic / hydrologic conditions on the site typical		•	Yes_		(If no, ex	-	•
Are Vegetation, Soil, or Hydrology				Are "Normal Circu			
Are Vegetation, Soil, or Hydrology	y	naturally pr	oblematic?	(If needed, explain	any answers in	Remarks.)	
SUMMARY OF FINDINGS – Attach site m	ap showing	samplin	g point lo	cations, transects	s, important	features,	etc.
Hydrophytic Vegetation Present? Yes	No X	lo the S	ampled Area				
Hydric Soil Present? Yes X	No		ampled Area a Wetland?	Yes	No	Χ	
Wetland Hydrology Present? Yes	No X	Within	a welland:				-
Remarks: Region is experiencing an extremely dry year.		1					
Upland comparison to DP 2.							
VEGETATION – Use scientific names of p	plants.						
	Absolute	Dominant		Dominance Test wo	rksheet:		
Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Dominant	•		
1.			-	That Are OBL, FACV	V, or FAC:	0	(A)
2.				Total Number of Don	ninant		``
3.				Species Across All S		1	(B)
4	<del></del>			•			(5)
4	0	Total Covo		Percent of Dominant	•	00/	(A/D)
		=Total Cove	r	That Are OBL, FACV	7, or FAC:	0%	(A/B)
			-				
Sapling/Shrub Stratum (Plot size:)				Prevalence Index W			
1	<u> </u>			Total % Cover of	of:	Multiply b	y:
2				OBL species	<b>0</b> x1 =	0	
3.				FACW species	<b>0</b> x2 =	0	
4.				FAC species	<b>10</b> x3 =	30	
5.				FACU species	10 x4 =	40	
	0	=Total Cove	r	UPL species	<b>50</b> x5 =	250	
Herb Stratum (Plot size: 1 meter <sup>2</sup> )				Column Totals:	<b>70</b> (A)	320	(B)
1. Elymus caput-medusae	50	Х	UPL	Prevalence Index =		4.6	( /
2. Bromus hordeaceus	10		FACU	1 Tovaloneo maex		-1.0	
3. Festuca perennis	10		FAC	Hydrophytic Vegeta	ation Indicators	<u> </u>	
4. Lactuca serriola	T		FACU				
	- <u>'</u> T				Test is $>50\%$ Index is $\leq 3.0^1$		
5. Croton setiger			UPL				
6. Eryngium castrense			OBL		cal Adaptations <sup>1</sup>		
7. Limnanthes alba	T		FACW		narks or on a se	•	,
8	<del></del>			Problemation Problemation	Hydrophytic Ve	getation' (E	±xplain)
	70	=Total Cove	r				
Woody Vine Stratum (Plot size:)				<sup>1</sup> Indicators of hydric s		, 0,	nust
1	<u> </u>			be present, unless di	sturbed or probl	ematic.	
2.			T	Hydrophytic			
		=Total Cove	r	Vegetation			
% Bare Ground in Herb Stratum 30	% Cover of E	Biotic Crust	0	Present?	Yes	No	X
Remarks:	-	-			<del>_</del>		
iteliaits.							
The ground is not in fact visible; the 30% is comprise	d of thatch.						
,							

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nes) Color (moist)	%	Color (moist)	%	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
7.5 YR 4/2	95	10 YR 2/2	5	С	М	sandy clay loar	
7.5 YR 4/2	90	7.5 YR 4/6	10	С	PL	sandy clay loar	
	· <del></del>			-		·	
e: C=Concentration, D=Depletion	on, RM=Red	duced Matrix, CS=C	overed or	Coated Sa	nd Grains.	<sup>2</sup> Location: PL=Po	re Lining, M=Matrix.
ric Soil Indicators: (Applic	able to al						Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)			Redox (S				ck (A9) ( <b>LRR C</b> )
Histic Epipedon (A2)			d Matrix (				ck (A10) ( <b>LRR B</b> )
Black Histic (A3)			Mucky Mi	-			Vertic (F18)
Hydrogen Sulfide (A4)			Gleyed M		)		nt Material (TF2)
Stratified Layers (A5) (LRR	C)		ed Matrix (			Other (Ex	plain in Remarks)
1 cm Muck (A9) ( <b>LRR D</b> )			Dark Surf				
Depleted Below Dark Surface	ce (A11)		ed Dark S		7)		
Thick Dark Surface (A12)			Depression			<sup>3</sup> Indic	cators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)		Vernal	Pools (F9	)		we	etland hydrology must be present,
Sandy Gleyed Matrix (S4)						ι	unless disturbed or problematic.
trictive Layer (if present):							
pe:					Ну	dric Soil Presen	t? Yes X No
oth (inches):					Ну	dric Soil Presen	t? Yes <u>X</u> No
oth (inches):					Ну	dric Soil Presen	t? Yes <u>X</u> No
ROLOGY tland Hydrology Indicators:		ed; check all that a	apply)		Ну		recondary Indicators (2 or more required)
cth (inches): rks:  COLOGY tland Hydrology Indicators:		•	apply) ust (B11)		Hy		
cth (inches):  rks:  ROLOGY tland Hydrology Indicators: nary Indicators (minimum of o		Salt Cri	,	.)	Hy		condary Indicators (2 or more required)
ROLOGY tland Hydrology Indicators: nary Indicators (minimum of o		Salt Cri	ust (B11)				condary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
COLOGY  Cland Hydrology Indicators:  nary Indicators (minimum of o Surface Water (A1) High Water Table (A2)	ne require	Salt Cri Biotic C Aquatic	ust (B11) Crust (B12	ates (B1	3)		condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
chth (inches):  chrks:  chrks:	ne require	Salt Cri Biotic C Aquatic Hydrog	ust (B11) Crust (B12 Invertebren Sulfide	rates (B10 e Odor (C	3)		condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
cology cland Hydrology Indicators: nary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive	ne require rine) onriverine	Salt Cru Biotic C Aquatic Hydrog Oxidize	ust (B11) Crust (B12 Invertebren Sulfide	rates (B10 e Odor (C oheres alo	3) 1) ong Living	<u>Sec</u>	condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
cology cland Hydrology Indicators: nary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (No	ne require rine) onriverine	Salt Cro Biotic C Aquatic Hydrog Oxidize Presen	ust (B11) Crust (B12 Invertebren Sulfider d Rhizospoe of Red	rates (B13 Odor (C oheres alo uced Iron	3) 1) png Living	Sec 	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
cOLOGY  cland Hydrology Indicators:  nary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (No	ne require rine) onriverine erine)	Salt Cro Biotic C Aquatic Hydrog Oxidize Presen Recent	ust (B11) Crust (B12 Invertebren Sulfider d Rhizospoe of Red	rates (B13 e Odor (C oheres alo uced Iron uction in	3) 1) ong Living	Sec 	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
ch (inches):  Choosy	rine) porriverine erine)	Salt Cru Biotic C Aquatic Hydrog Oxidize Presen Recent B7)	ust (B11) Crust (B12) Invertebren Sulfider A Rhizospore of Red Iron Reduck Surfar	e Odor (Contract of Contract o	3) 1) ong Living (C4) Filled Soils	Sec 	condary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5)
ROLOGY  Itland Hydrology Indicators:  mary Indicators (minimum of or Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive Sediment Deposits (B2) (Norrive Drift Deposits (B3) (Nonrive Surface Soil Cracks (B6)  Inundation Visible on Aerial Water-Stained Leaves (B9)	rine) porriverine erine)	Salt Cru Biotic C Aquatic Hydrog Oxidize Presen Recent B7)	ust (B11) crust (B12) Invertebren Sulfide d Rhizospoe of Red Iron Red	e Odor (Contract of Contract o	3) 1) ong Living (C4) Filled Soils	Sec 	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5) Shallow Aquitard (D3)
ROLOGY  Itland Hydrology Indicators:  nary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (No Drift Deposits (B3) (Nonrive Surface Soil Cracks (B6) Inundation Visible on Aerial Water-Stained Leaves (B9)	rine) porriverine erine) Imagery (	Salt Cro Biotic C Aquatic Hydrog Oxidize Presen Recent B7) Thin Mi	ust (B11)  crust (B12) Invertebren Sulfider d Rhizospore of Red Iron Red uck Surfar Explain in	e Odor (Contract of the Contract of the Contra	3) 1) ong Living (C4) Filled Soils	Sec 	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5) Shallow Aquitard (D3)
ROLOGY tland Hydrology Indicators: nary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (No Drift Deposits (B3) (Nonrive Surface Soil Cracks (B6) Inundation Visible on Aerial Water-Stained Leaves (B9) d Observations: face Water Present? Yes	rine) porriverine erine) Imagery (	Salt Cro Biotic C Aquatic Hydrog Oxidize Presen Recent B7) Thin Mo Other (	ust (B11) crust (B12) Invertebren Sulfider d Rhizospoce of Redrich Redrick Surfar Explain in	rates (B13) Proposed Grant Control Con	3) 1) ong Living (C4) Filled Soils	Sec 	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5) Shallow Aquitard (D3)
ROLOGY tland Hydrology Indicators: nary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (No Drift Deposits (B3) (Nonrive Surface Soil Cracks (B6) Inundation Visible on Aerial Water-Stained Leaves (B9) d Observations: face Water Present? Yes ter Table Present? Yes	rine) porriverine erine) Imagery (	Salt Cri Biotic C Aquatic Hydrog Oxidize Presen Recent B7) Thin Mi Other (  No X Depti	ust (B11) crust (B12) Invertebren Sulfider d Rhizospice of Red Iron Redruck Surface Explain in	rates (B13) Proposed Grant Control Con	3) 1) ong Living (C4) Filled Soils	Sec ————————————————————————————————————	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C3) Shallow Aquitard (D3) FAC-Neutral Test (D5)
ROLOGY  Itland Hydrology Indicators:  mary Indicators (minimum of or Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive Sediment Deposits (B2) (Norrive Surface Soil Cracks (B6)  Inundation Visible on Aerial Water-Stained Leaves (B9)  Ind Observations:  face Water Present? Yes Suration Present? Yes Yes	rine) porriverine erine) Imagery (	Salt Cri Biotic C Aquatic Hydrog Oxidize Presen Recent B7) Thin Mi Other (  No X Depti	ust (B11) crust (B12) Invertebren Sulfider d Rhizospoce of Redrich Redrick Surfar Explain in	rates (B13) Proposed Grant Control Con	3) 1) ong Living (C4) Filled Soils	Sec 	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C3) Shallow Aquitard (D3) FAC-Neutral Test (D5)
ROLOGY  Itland Hydrology Indicators:  mary Indicators (minimum of oracy Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive Sediment Deposits (B2) (Nonrive Surface Soil Cracks (B6)  Inundation Visible on Aerial Water-Stained Leaves (B9)  Ind Observations:  Iface Water Present? Yes Star Table Present? Yes Juration Present? Yes Judes capillary fringe)	rine) ponriverine erine) Imagery (	Salt Cri   Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizospece of Red Iron Reduck Surface Explain in (inches) n (inches)	rates (B13) Proposed of the Control	3) 1) png Living (C4) Filled Soils	Roots (C3)	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C3) Shallow Aquitard (D3) FAC-Neutral Test (D5)
ROLOGY tland Hydrology Indicators: mary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (No Drift Deposits (B3) (Nonrive Surface Soil Cracks (B6) Inundation Visible on Aerial Water-Stained Leaves (B9) Id Observations: face Water Present? Yes ter Table Present? Yes	rine) ponriverine erine) Imagery (	Salt Cri   Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizospece of Red Iron Reduck Surface Explain in (inches) n (inches)	rates (B13) Proposed of the Control	3) 1) png Living (C4) Filled Soils	Roots (C3)	wondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C3) Shallow Aquitard (D3) FAC-Neutral Test (D5)

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

Project/Site:	Wheatland Regiona	al Sewer		City/County:	: Yuba Coun	ty		Sampling	Date:	06/28/21
Applicant/Owner:	City of Wheatland					State:	CA	Sampling	Point: DP	<sup>,</sup> 4
Investigator(s):	Daria Snider			Section	n, Township,	Range: Unsec	ctioned Towns	ship 14 N, Ra	nge 5 E, N	/IDB&M
Landform (hillslop	e, terrace, etc.):	Floodplain		_ Local re	elief (concave	e, convex, none)	: Concave		Slope (%	6): <u>0-1</u>
Subregion (LRR):	Mediterranean Cali	ifornia (LRR C	) Lat:		39.03	889219 Long	: <u></u>	-121.460005	7 Datu	ım: <u>NAD 83</u>
Soil Map Unit Nan	ne: <u>142 - Conej</u>	o loam, 0 to 2	percent slopes,	occasionally	/ flooded, ML	.RA 17 NWI CI	assification:	Lake, reserv	oir, and as	soc. vegetatior
Are climatic / hydr	ologic conditions on	the site typica	I for this time of	year?	Yes_	X No		(If no, explain	n in Remar	ks.)
Are Vegetation	, Soil	, or Hydrolog	эу	significantly	disturbed?	Are "Normal	Circumstance	es" present?	Yes>	<u> </u>
Are Vegetation	, Soil	, or Hydrolog	gy	naturally pr	oblematic?	(If needed, ex	oplain any ans	swers in Rem	arks.)	
SUMMARY OF	FINDINGS - A	ttach site n	nap showing	samplin	g point lo	cations, trans	sects, imp	ortant feat	tures, etc	с.
Hydrophytic Vege	tation Present?	Yes X	No							
Hydric Soil Preser	nt?	Yes X	No		ampled Area a Wetland?	a Yes	X	No		
Wetland Hydrolog	y Present?	Yes X	No	Within	a vveuanu r					
Remarks:										
Region is experier	ncing an extremely o	dry year.								
Seasonal wetland	in roadway within or	rchard.								
VEGETATION	- Use scientifi	c names of	plants.							
				Dominant	Indicator	Dominance Te	ot workshop			
			Absolute % Cover	Dominant Species?		Number of Don				
Tree Stratum	(Plot size:	)		<u> </u>		That Are OBL,	•			(4)
1									1	(A)
3.						Total Number of Species Across			1	(B)
σ. 4			<u> </u>			·			<u>'</u>	(D)
¬				=Total Cove		Percent of Dom That Are OBL,	•		100%	(A/B)
						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			10070	(``\_)
Sapling/Shrub	Stratum (Plot size: _	)				Prevalence Inc	dex Workshe	et:		
1.						Total % C	over of:	Mu	ultiply by:	
2.						OBL species	10	x1 =	10	
3.						FACW species	60	x2 =	120	
4						FAC species	0	x3 =	0	
			0 =	=Total Cove	r	FACU species	0	x4 =	0	
	(Plot size: 1 met	<u>ter<sup>2</sup></u> )				UPL species	0	x5 =	0	
1. Phyla nodiflo			50	X	FACW	Column Totals:	70	(A)	130	(B)
2. Eleocharis p					FACW	Prevalence Ir	ndex = B/A =	1	.9	
3. Marsilea ves			_ 10		OBL					
4. Sorghum hai			_ <u>T</u>		FACU	Hydrophytic V	-			
5. Convolvulus			_ <u>T</u> T		UPL		nance Test is lence Index is			
6. Acmispon ar					UPL	<del></del>				
7. <u>Dittrichia gra</u> 8. Lythrum hys.			_ <u>T</u>		UPL		nological Ada			orting
8. <u>Lythrum nys.</u> 9. <b>Epilobium br</b>			- <del>- '</del>		OBL FAC		n Remarks or ematic Hydro	•		oin)
9. Epiloblum br	acriycarpurii			Total Cove			ematic riyuro	Jilylic vegeta	шоп (Ехрі	alli)
\\\\\\	matuum (Dlat aima)	`		- I Olai Cove	:1	1	and an analysis and a	41	1	
1.	ratum (Plot size:	)				<sup>1</sup> Indicators of hybe present, unle				Į.
2.						Hydrophytic				
				=Total Cove	r	Vegetation				
% Bare Ground	d in Herb Stratum	30	% Cover of B	Biotic Crust	0	Present?		Yes X	No	

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SOIL Sampling Point: DP 4

nches)	Color (moist)	%	Color (moist)	) %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
4"	10 YR 4/3	88	10 YR 2/2	10		M	sandy clay loa	
			10 YR 4/4	2		М		
						_		
						_		_
						_	<u> </u>	
							<u> </u>	
ne: C=C	oncentration, D=Depletion	n RM=Re	Juced Matrix CS	S=Covered or	Coated Sa	and Grains	<sup>2</sup> Location: PL=F	ore Lining M=Matrix
	·					and Gramo		
	I Indicators: (Applic	able to all						r Problematic Hydric Soils <sup>3</sup> :
-	sol (A1)			dy Redox (S	•			ick (A9) (LRR C)
_	Epipedon (A2)			ped Matrix (				ick (A10) ( <b>LRR B</b> )
_	Histic (A3)			ny Mucky M	-	-		d Vertic (F18)
	ogen Sulfide (A4)	<b>C</b> \		my Gleyed M	•	!)		ent Material (TF2)
_	fied Layers (A5) ( <b>LRR</b> Muck (A9) ( <b>LRR D</b> )	C)		leted Matrix ox Dark Surl			Other (E	xplain in Remarks)
-	eted Below Dark Surface	00 (411)		leted Dark S		7)		
_	Dark Surface (A12)	Se (ATT)		ox Depressi		1)		
_	Mucky Mineral (S1)			nal Pools (F9				icators of hydrophytic vegetation and
_	y Gleyed Matrix (S4)			iai i 00i3 (i c	,,		W	retland hydrology must be present, unless disturbed or problematic.
								annos distance of problematic
	: Laver (if present):							
	Layer (if present):							
pe:						н	vdric Soil Prese	nt? Yes X No
/pe: epth (inch narks:						H	ydric Soil Prese	nt? Yes X No
pe: epth (inch arks:						Н	ydric Soil Prese	nt? Yes X No
oe: pth (inch arks: sal at 4"	nes):					H	ydric Soil Prese	nt? Yes X No
pe: pth (inch arks: sal at 4"	nes):					H	ydric Soil Prese	nt? Yes <u>X</u> No
pe:	nes):		d; check all tha	at apply)		H		nt? Yes X No
pe:pth (inch arks: sal at 4" ROLOG stland H	nes):  Y ydrology Indicators:		Salt	Crust (B11)		H		condary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
coe:oth (incharks:	Y ydrology Indicators: dicators (minimum of o		Salt	Crust (B11) c Crust (B12	2)			condary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
pth (inch arks: sal at 4" ROLOG etland H mary Inc Surfar High \	Y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3)	one require	Salt Bioti	Crust (B11) c Crust (B12 atic Inverteb	2) rates (B1	3)		condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
pth (inch arks: sal at 4" ROLOG stland H mary Inc Surfar High V	Y ydrology Indicators: dicators (minimum of of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	one require	Salt Bioti Aqua Hydr	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide	2) rates (B1: e Odor (C	3)	<u>S</u> e	condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
pth (inch arks: sal at 4" ROLOG stland H mary Inc Surfac High V Satura Watel	y ydrology Indicators: dicators (minimum of	one require erine) conriverine	Salt Bioti Aqua Hydr	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos	2) rates (B1: e Odor (C pheres al	3) 3) ong Living	<u>S</u> e	Condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
pth (inch arks: sal at 4" ROLOG etland H mary Inc Surfa High V Satura Water Sedin Drift [	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	one require erine) conriverine	Salt Bioti Aqua Hydr Oxid	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos sence of Rec	2) rates (B1) e Odor (C pheres al luced Iror	3) 3) ong Living	Se ————————————————————————————————————	Condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
pth (inch arks: sal at 4" ROLOG etland H mary Inc Surfar Water Water Sedin Drift [	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6)	erine) crine) conriverine erine)	Salt Bioti Aqua Hydr Oxid Pres	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos sence of Recent Iron Red	2) rates (B1: e Odor (C pheres alduced Iron uction in	3) 3) ong Living	Se ————————————————————————————————————	condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
pth (inch arks: sal at 4" ROLOG ttland H mary Inc Surfar Water Sedin Drift I Surfar	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial	erine) confiverine erine) Imagery (	Salt Bioti Aqua Hydr Oxid Pres Reca B7) Thin	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos sence of Recent Iron Red Muck Surfa	2) rates (B1: e Odor (C pheres al- duced Iror uction in ce (C7)	3) :1) ong Living n (C4) Tilled Soil	Se ————————————————————————————————————	Condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
pei:pth (inch arks: sal at 4" ROLOG etland H mary Inc Surfa High V Satura Water Sedin Drift [ Surfa Inund Water	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9)	erine) confiverine erine) Imagery (	Salt Bioti Aqua Hydr Oxid Pres Reca B7) Thin	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos sence of Recent Iron Red	2) rates (B1: e Odor (C pheres al- duced Iror uction in ce (C7)	3) :1) ong Living n (C4) Tilled Soil	Se ————————————————————————————————————	condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
ROLOG etland H mary Inc Surfar Water Sedin Drift [ Surfar Under Water Water Surfar Water Water Surfar	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9)	erine) conriverine erine) Imagery (l	Salt Bioti Aqua Hydr Oxid Pres Reco B7) Thin Othe	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos sence of Recent Iron Red Muck Surfa er (Explain ir	rates (B1: e Odor (C pheres al- duced Iror uction in ce (C7) n Remarks	3) :1) ong Living n (C4) Tilled Soil	Se ————————————————————————————————————	Condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
ROLOG etland H imary Inc Satura Sedin Surfar Surfar Surfar Surfar Surfar Unift I Surfar Inund Water Inund	y ydrology Indicators: dicators (minimum of of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes	erine) conriverine erine) Imagery (	Salt Bioti Aqua Hydr Oxid Pres Recc B7) Thin Othe	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos sence of Recent Iron Red Muck Surfa er (Explain in	rates (B1: e Odor (C pheres al- duced Iror uction in ce (C7) n Remarks	3) :1) ong Living n (C4) Tilled Soil	Se ————————————————————————————————————	Condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
ROLOG etland H imary Inc Satura Water Sedin Drift [ Surfac Inund Water Inund Water Interest of the serial contents	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes	erine) contiverine erine) Imagery (	Salt Bioti Aqua Hydr Oxid Pres Recc B7) Thin Othe No X De	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos sence of Recent Iron Red Muck Surfa er (Explain in	rates (B1: e Odor (C pheres al- duced Iror uction in ce (C7) n Remarks ):	3) :1) ong Living n (C4) Tilled Soil	Se Se S Roots (C3) s (C6)	condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
pth (inch arks: sal at 4" ROLOG etland H mary Inc Surfar High V Satur: Sedin Drift E Surfar Inund Water Inund Water Inund water Tabl	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes Present? Yes	erine) contiverine erine) Imagery (	Salt Bioti Aqua Hydr Oxid Pres Recc B7) Thin Othe No X De	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos sence of Recent Iron Red Muck Surfa er (Explain in	rates (B1: e Odor (C pheres al- duced Iror uction in ce (C7) n Remarks ):	3) :1) ong Living n (C4) Tilled Soil	Se Se S Roots (C3) s (C6)	Condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
pee:pth (inch arks: sal at 4"  ROLOG etland H mary Inc Surfa High \( \) Satur: Sedin Unift [ Surfa Inund Watel High \( \) Surfa Sedin Unift [ Surfa L Surfa	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes	erine) conriverine erine) Imagery (	Salt	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos sence of Recent Iron Red Muck Surfa er (Explain ir epth (inches epth (inches	rates (B1: e Odor (C pheres ald duced Iror uction in ce (C7) n Remarks  ):	3) c1) ong Living n (C4) Tilled Soil	Segrate Segrat	condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
pee:pth (inch arks: sal at 4"  ROLOG etland H mary Inc Surfa High \( \) Satur: Sedin Unift [ Surfa Inund Watel High \( \) Surfa Sedin Unift [ Surfa L Surfa	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes apillary fringe)	erine) conriverine erine) Imagery (	Salt	Crust (B11) c Crust (B12 atic Inverteb rogen Sulfide lized Rhizos sence of Recent Iron Red Muck Surfa er (Explain ir epth (inches epth (inches	rates (B1: e Odor (C pheres ald duced Iror uction in ce (C7) n Remarks  ):	3) c1) ong Living n (C4) Tilled Soil	Segrate Segrat	Condary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

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

Project/Site: Wheatland Reg Applicant/Owner: City of Wheatlan		_City/County: Yuba Cou	State: CA	Sampling Date: 07/27/21 Sampling Point: DP 5
•••	ilu	Section Township		<del>-                                    </del>
Investigator(s): Daria Snider	Torroco			ship 14 N, Range 5 E, MDB&M
Landform (hillslope, terrace, etc.): Subregion (LRR): Mediterranean			ve, convex, none): Concave	
• • • —			04102251 Long:	
· · · · · · · · · · · · · · · · · · ·	an Joaquin loam, 0 to 1 percent s	•	NWI Classification:	
Are climatic / hydrologic conditions	*.	•		_(If no, explain in Remarks.)
· · · · · · · · · · · · · · · · · · ·	, or Hydrology			ces" present? Yes X No
Are Vegetation, Soil	, or Hydrology	_ naturally problematic?	(If needed, explain any ar	iswers in Remarks.)
SUMMARY OF FINDINGS -	- Attach site map showin	ng sampling point lo	ocations, transects, imp	portant features, etc.
Hydrophytic Vegetation Present?	Yes X No	lo the Compled Ar	••	
Hydric Soil Present?	Yes <b>X</b> No	Is the Sampled Ar within a Wetland	YAS X	No
Wetland Hydrology Present?	Yes <b>X</b> No	_		
Remarks:				
Region is experiencing an extreme	ely dry year.			
Linear vernal pool				
VEGETATION - Use scien	tific names of plants.			
	<u> </u>	Dominant Indiant-	Dominance Test workshe	ot:
	Absolute 、 % Cover			
<u>Tree Stratum</u> (Plot size:1.	)		Number of Dominant Speci That Are OBL, FACW, or F	
2.	<del></del>		. Total Number of Dominant	(^/)
3.	<del></del>		Species Across All Strata:	<b>1</b> (B)
4.	<del></del>	<del></del>	Percent of Dominant Specie	
	0	=Total Cover	That Are OBL, FACW, or F	
		<del>_</del>		`` ,
Sapling/Shrub Stratum (Plot siz	ze:)		Prevalence Index Worksh	eet:
1			Total % Cover of:	Multiply by:
2			OBL species 45	x1 = <b>45</b>
3			FACW species 1	x2 = <b>2</b>
4			FAC species 5	x3 = 15
5			FACU species 0	x4 =
		_=Total Cover	UPL species 0	x5 =
	1 meter <sup>2</sup> )		Column Totals: 51	(A) <b>62</b> (B)
1. Plagiobothrys undulatus	40	X OBL	Prevalence Index = B/A =	1.2
2. Festuca perennis		FAC		
3. Epilobium campestre		OBL	Hydrophytic Vegetation II	
4. Eryngium castrense		FACW	Dominance Test is  Y Prevalence Index	
5. Centromadia fitchii	<u>T</u>	FACU UPL	·   <del></del>	
6. Trifolium glomeratum 7. Hordeum marinum	<u> </u>			aptations <sup>1</sup> (Provide supporting or on a separate sheet)
8. Bromus hordeaceus	<u> </u>	FACU FACU	i l	ophytic Vegetation <sup>1</sup> (Explain)
o. Bioinus nordeaceus		=Total Cover	- Froblematic Hydro	opriyuc vegetation (Explain)
Woody Vine Stratum (Plot size		_ TOTAL COVEL	1Indicators of business 2	d watland hydrele my myst
1. Woody vine Stratum (Plot size	:)		<sup>1</sup> Indicators of hydric soil and be present, unless disturbed	
2.				p p
<u> </u>		=Total Cover	Hydrophytic	
% Bare Ground in Herb Stratum	n 50 % Cover of	Biotic Crust 40	Vegetation Present?	Yes X No
Remarks:				
Remarks.				

US Army Corps of Engineers Arid West - Version 2.0

SOIL Sampling Point: DP 5

nches)	Color (moist)	% Co	olor (moist) %	√6 Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
-6	10 YR 4/2		YR 4/6	20 C	M, PL	clay loam	
/pe: C=Co	oncentration, D=Depletion	n, RM=Reduced	Matrix, CS=Covere	d or Coated San	d Grains.	<sup>2</sup> Location: PL=Pore	e Lining, M=Matrix.
	I Indicators: (Applica	able to all LRF					Problematic Hydric Soils <sup>3</sup> :
_	ol (A1)	-	Sandy Redo				(A9) ( <b>LRR C</b> )
_	Epipedon (A2)	-	Stripped Mat				(A10) ( <b>LRR B</b> )
_	Histic (A3)	-		y Mineral (F1)		Reduced V	, ,
_	gen Sulfide (A4)	-		ed Matrix (F2)			t Material (TF2)
Stratif	ied Layers (A5) ( <b>LRR</b> (	<b>C</b> )	X Depleted Ma			Other (Exp	olain in Remarks)
_ 1 cm l	Muck (A9) ( <b>LRR D</b> )	-	Redox Dark	Surface (F6)			
Deple	ted Below Dark Surfac	:e (А11)	Depleted Da	rk Surface (F7)	)		
Thick	Dark Surface (A12)		Redox Depre	essions (F8)		<sup>3</sup> Indica	ators of hydrophytic vegetation and
Sandy	Mucky Mineral (S1)		Vernal Pools	s (F9)			land hydrology must be present,
Sandy	Gleyed Matrix (S4)						nless disturbed or problematic.
strictive	Layer (if present):						
ne:							
epth (inch	es):				Нус	dric Soil Present	? Yes X No
epth (inch	es):				Нус	dric Soil Present	? Yes <u>X</u> No
epth (inch narks: usal at 6"					Нус	dric Soil Present	? Yes <u>X</u> No
epth (inch narks: usal at 6"					Нус	dric Soil Present	? Yes <u>X</u> No
epth (inch arks: sal at 6" ROLOG	Y	ne required; ch	eck all that apply)		Нус		? Yes X No
pth (inch arks: sal at 6" ROLOG etland H mary Ind	Y ydrology Indicators:	ne required; ch	neck all that apply)		Нус		
epth (inch arks: sal at 6" ROLOG etland H	Y ydrology Indicators: icators (minimum of or	ne required; ch	11.7/	311)	Нус		endary Indicators (2 or more required)
pth (inch arks: sal at 6" ROLOG etland Hy mary Ind Surfac High V	ydrology Indicators: icators (minimum of once Water (A1)	ne required; ch	Salt Crust (B X Biotic Crust	311)			endary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
ROLOG  British (inch  ROLOG  British (inch  British	Y ydrology Indicators: icators (minimum of or ce Water (A1) Vater Table (A2)	-	Salt Crust (B X Biotic Crust ( Aquatic Inve	(B12)		Seco	endary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
ROLOG  ROLOG  Etland Hy  imary Ind  Surfac  High V  Satura  Water	ydrology Indicators: icators (minimum of or be Water (A1) Water Table (A2) ation (A3)	rine)	Salt Crust (B  X Biotic Crust (  Aquatic Inve  Hydrogen St	(B12) rtebrates (B13)	)	Seco	endary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
PROLOGIEMATE Surface  High V Satura  Water  Sedim	ydrology Indicators: icators (minimum of or the Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriver	rine)	Salt Crust (B  X Biotic Crust (Aquatic Inverse Hydrogen St  X Oxidized Rhi	(B12) rtebrates (B13) ulfide Odor (C1	) ng Living (	Seco	endary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10)
PROLOG  etland H  imary Ind  Surfac  High V  Satura  Water  Sedim  Drift D	ydrology Indicators: icators (minimum of or ce Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver ent Deposits (B2) (No	rine)	Salt Crust (B  X Biotic Crust (Aquatic Inve Hydrogen St  X Oxidized Rhi Presence of	(B12) rtebrates (B13) ulfide Odor (C1 izospheres alor	) ng Living I	Seco	windary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
ROLOG ROLOG etland Hy imary Ind Surfac High V Satura Water Sedim Drift D	ydrology Indicators: icators (minimum of or the Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriver thent Deposits (B2) (No deposits (B3) (Nonriver the Soil Cracks (B6)	rine) portiverine) prine)	Salt Crust (B  X Biotic Crust (Aquatic Inverse Hydrogen State Country Presence of Recent Iron	(B12) rtebrates (B13) ulfide Odor (C1 izospheres alor Reduced Iron (	) ng Living I	Seco	andary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
ROLOG  ROLOG  etland H  mary Ind  Surfac  High V  Satura  Water  Sedim  Drift D  Surfac  Inunda	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No	rine) onriverine) erine) Imagery (B7)	Salt Crust (B X Biotic Crust (A Aquatic Inve Hydrogen St X Oxidized Rhi Presence of Recent Iron Thin Muck S	t11) (B12) rtebrates (B13) ulfide Odor (C1 izospheres alor Reduced Iron ( Reduction in Ti urface (C7)	) ng Living I (C4) lled Soils	Seco	windary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
PROLOG  PROLOG  PROLOG  PROLOG  PROLOG  PROLOG  PROLOG  Surfac  High V  Satura  Water  Sedim  Drift D  Surfac  Inunda  Unda	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver be Soil Cracks (B6) ation Visible on Aerial -Stained Leaves (B9)	rine) onriverine) erine) Imagery (B7)	Salt Crust (B X Biotic Crust (A Aquatic Inve Hydrogen St X Oxidized Rhi Presence of Recent Iron Thin Muck S	(B12) rtebrates (B13) ulfide Odor (C1 izospheres alor Reduced Iron (	) ng Living I (C4) lled Soils	Seco	endary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5)
Surface Surface High \ Satura Water Sedim Drift C Surface Inunda Water	ydrology Indicators: icators (minimum of ore Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriverset (B2) (Nonriverset (B3) (Nonriverset (B4)) Action Visible on Aerial (Action Visible on Aerial	rine) porriverine) erine) Imagery (B7)	Salt Crust (B X Biotic Crust (Aquatic Inverse Hydrogen State of Recent Iron Thin Muck State of Control of Cont	(B12) rtebrates (B13) ulfide Odor (C1 izospheres alor Reduced Iron ( Reduction in Ti urface (C7) in in Remarks)	) ng Living I (C4) lled Soils	Seco	windary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
PROLOGIOMA Surface  Water  Sedim  Surface  Water  Sedim  Drift D  Surface  Inunda  Water  Water  Sedim  Drift D  Water  Surface  Water	y ydrology Indicators: icators (minimum of or	rine) porriverine) erine) Imagery (B7)	Salt Crust (E  X Biotic Crust (A  Aquatic Inve  Hydrogen St  X Oxidized Rhi  Presence of  Recent Iron  Thin Muck S  Other (Expla	tental (B12) Intebrates (B13) Intebrates (B13) Interpreted (C1) Interprete	) ng Living I (C4) lled Soils	Seco	windary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
PROLOG  PROLOG  PROLOG  PROLOG  Partial at 6"  PROLOG  Print Ind  Surface  Water  Drift Ind  Surface  Ununda  Water  Hunda  Water  Print Ind  Water  Surface  Water  A Surface  Ununda  Water	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver te Soil Cracks (B6) ation Visible on Aerial stained Leaves (B9) rvations: ater Present? Yes the Present? Yes	rine) porriverine) erine) Imagery (B7) No	Salt Crust (B X Biotic Crust (A Aquatic Inve Hydrogen St X Oxidized Rhi Presence of Recent Iron Thin Muck S Other (Expla  X Depth (inc X Depth (inc	territorial (territorial (territoria) (territorial (territorial (territoria) (terri	) ng Living I (C4) lled Soils	Seco	windary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
PROLOGIETA Surface Water Surface Water Water Surface Water Ununda Water Surface Water Table Surface Water Water Table	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver be Soil Cracks (B6) ation Visible on Aerial -Stained Leaves (B9) rvations: ater Present? Yes de Present? Yes Present? Yes	rine) porriverine) erine) Imagery (B7) No	Salt Crust (E  X Biotic Crust (A  Aquatic Inve  Hydrogen St  X Oxidized Rhi  Presence of  Recent Iron  Thin Muck S  Other (Expla	territorial (territorial (territoria) (territorial (territorial (territoria) (terri	) ng Living I (C4) lled Soils	Seco	windary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
PROLOGIETA SURFACE  PROLOGIETA SURFACE  Water  Sedim  Water  Drift D  Surface  Inunda  Under  Water  Surface  Inunda  Water  Local Control  Water  Surface  Local Control  Water  Water  Local Control  L	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver te Soil Cracks (B6) ation Visible on Aerial stained Leaves (B9) rvations: ater Present? Yes the Present? Yes	rine) pnriverine) erine) Imagery (B7) No No	Salt Crust (E  X Biotic Crust (A  Aquatic Inve  Hydrogen St  X Oxidized Rhi  Presence of  Recent Iron  Thin Muck S  Other (Explate)  X Depth (incomplete)  X Depth (incomplete)	tendent to the state of the sta	ng Living I (C4) Iled Soils	Roots (C3)	windary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
ROLOG  ROLOG  Sal at 6"  ROLOG  Sal at 6"  Finany Ind  Surfac  Water  Sedim  Drift D  Surfac  Inunda  Water  High V  Satura  Water  Surfac  Inunda  Lituration I  cludes ca	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver te Soil Cracks (B6) ation Visible on Aerial II -Stained Leaves (B9) rvations: ater Present? Yes te Present? Yes present? Yes apillary fringe)	rine) pnriverine) erine) Imagery (B7) No No	Salt Crust (E  X Biotic Crust (A  Aquatic Inve  Hydrogen St  X Oxidized Rhi  Presence of  Recent Iron  Thin Muck S  Other (Explate)  X Depth (incomplete)  X Depth (incomplete)	tendent to the state of the sta	ng Living I (C4) Iled Soils	Roots (C3)	windary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)

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

Project/Site:	oject/Site: Wheatland Regional Sewer				Yuba Cour	nty			Samp	pling Date:	C	07/27/21
Applicant/Owner:	City of Wheatland						State: C	CA	Samp	pling Point:	DP 6	
Investigator(s):	Daria Snider			Section	n, Township	, Range:	Section	30, Town	ship 14 N	, Range 5 E	, MDB&M	
Landform (hillslop	e, terrace, etc.):	Hillslope		_ Local re	lief (concav	e, convex,	none): N	None		Slop	e (%): <u>0-1</u>	1
Subregion (LRR):	Mediterranean Cali	ifornia (LRR C)	Lat:		39.0	4096803	Long:		-121.4	64432 [	Datum: NA	ND 83
Soil Map Unit Nar	ne: 214 - San J	oaquin loam, 0 to	1 percent slo	opes		N	IWI Clas	sification	: None			
Are climatic / hydr	ologic conditions on	the site typical fo	or this time of	year?	Yes	Χ	No_		(If no, e	xplain in Re	marks.)	
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "No	ormal Ci	rcumstan	_ ces" pres	ent? Yes	X No	)
Are Vegetation		, or Hydrology		naturally pro	oblematic?	(If need	led, expl	ain any a	nswers in	Remarks.)		
SUMMARY OF	FINDINGS - A			յ sampling	g point lo	cations,	transe	ects, im	portant	features,	etc.	
Hydrophytic Vege	tation Present?	Yes <b>X</b> N	lo									
Hydric Soil Prese		Yes X N	lo		ampled Are		Yes	X	No			
Wetland Hydrolog	y Present?	Yes X N	lo	within a	a Wetland?		_				-	
Remarks:		<del></del>										
	ncing an extremely o	dry year.										
	,	, ,										
Seasonal wetland	swale											
VECETATION	- Use scientifi	a namaa af ni	anto									<u> </u>
VEGETATION	- USE SCIENTIN	c names of pi	ants.			1						
			Absolute		Indicator	Dominan	ice Test	workshe	et:			
Tree Stratum	(Plot size:	)	% Cover	Species?	Status	Number of						
1						That Are	OBL, FA	ACVV, OF F	-AC:	1	(A)	)
2						Total Nur						
3						Species A	Across A	III Strata:		1	(B)	)
4						Percent c						
			0	=Total Cove	r	That Are	OBL, FA	ACW, or F	-AC:	100%	(A/	(B)
Sanling/Shruh	Stratum (Plot size:	,				Prevalen	co Indo	v Workel	noot:			
1.	<u> </u>	<i>)</i>					al % Cov		icci.	Multiply b	W.	
2.						OBL spec		0	x1 =	0	<del>y.</del>	
3.					-	FACW sp	_	0	x2 =	0		
4.						FAC spec	_	80	x3 =	240		
5.						FACU sp	_	5	x4 =	20		
			0	=Total Cove		UPL spec	_	0	x5 =	0		
Herb Stratum	(Plot size: 1 me	ter <sup>2</sup> )	-			Column 7	Totals:	85	(A)	260	(B)	)
1. Festuca pere			70	Χ	FAC	Prevale	ence Inde	ex = B/A :	_` ´ — =	3.1	``	
2. Hordeum ma			10		FAC							
3. Festuca broi	moides		5		FACU	Hydroph	ytic Veg	getation I	Indicators	s:		
4. Elymus capu	ıt-medusae		T		UPL	X	Dominar	nce Test i	is >50%			
5. Eryngium ca	strense		T		FACW		Prevaler	nce Index	is $\leq 3.0^1$			
6. Bromus hord	deaceus		T		FACU		Morphol	ogical Ad	aptations	<sup>1</sup> (Provide su	upporting	
7.							data in F	Remarks	or on a se	eparate shee	;t)	
8.							Problem	atic Hydr	ophytic Ve	egetation <sup>1</sup> (E	Explain)	
			85	=Total Cove	r							
Woody Vine St	ratum (Plot size: _	)					,			l hydrology n	nust	
1.			-			be preser	nt, uniess	s disturbe	ed or probl	lematic.		
			-	=Total Cove	r	Hydroph Vegetation	-					
% Bare Ground	d in Herb Stratum	15	% Cover of E		0	Present?			Yes	X No		
Remarks:				-		<del>1</del>			_			
The ground is not	in fact visible; the 1	5% is comprised	of thatch.									

US Army Corps of Engineers Arid West - Version 2.0

nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	9	Remarks
6	10 YR 4/2	90	7.5 YR 4/6	10	<u>C</u>	PL	sandy clay	loar	
ype: C=Co	oncentration, D=Depletion	n, RM=Red	uced Matrix, CS=Co	overed or (	Coated San	d Grains.	<sup>2</sup> Location: Pl	L=Pore Li	ining, M=Matrix.
	Indicators: (Applic	able to all			-		Indicators	for Pro	blematic Hydric Soils <sup>3</sup> :
_	sol (A1)			Redox (S5	-			-	(49) (LRR C)
	Epipedon (A2)			l Matrix (S					10) ( <b>LRR B</b> )
	Histic (A3)			=	neral (F1)				tic (F18)
	gen Sulfide (A4)			-	atrix (F2)				faterial (TF2)
	ied Layers (A5) ( <b>LRR</b>	C)		d Matrix (	-		Other	r (Explai	n in Remarks)
_	Muck (A9) ( <b>LRR D</b> )			Dark Surfa					
_	ted Below Dark Surfac	ce (A11)			urface (F7	)			
Thick	Dark Surface (A12)			Depressio	• •		3	Indicato	rs of hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal F	Pools (F9)	)			wetlan	d hydrology must be present,
Sandy	Gleyed Matrix (S4)							unles	ss disturbed or problematic.
estrictive	Layer (if present):								
	Layer (ii present).								
	Layor (ii procent).								
ype: epth (inch narks:			_			Ну	dric Soil Pre	esent?	Yes X No
ype: epth (inch narks: usal at 6"  DROLOG fetland H rimary Ind	es):	ne required		pply) st (B11)		Ну		Second	Yes X No  ary Indicators (2 or more required) ater Marks (B1) (Riverine)
ype: epth (inch narks: usal at 6"  DROLOG /etland Hy rimary Ind	y ydrology Indicators: licators (minimum of o	ne required	Salt Cru		)	Ну		Second W	ary Indicators (2 or more required)
ype: epth (inch narks: usal at 6"  DROLOG' /etland Hy rimary Ind Surfac High \	Y ydrology Indicators: icators (minimum of o	ne required	Salt Cru Biotic C	st (B11) rust (B12)	) ates (B13)			Second W.	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> )
ype: epth (inch narks: usal at 6"  DROLOG fetland Hyrimary Ind Surfac High V	y ydrology Indicators: licators (minimum of o ce Water (A1) Water Table (A2)	·	Salt Cru Biotic Ci Aquatic	st (B11) rust (B12) Invertebra				Second	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10)
pype: epth (inch narks: usal at 6"  DROLOG  /etland H rimary Ind Surfac High V Satura Water	y ydrology Indicators: icators (minimum of o ce Water (A1) Water Table (A2) ation (A3)	rine)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp	ates (B13) Odor (C1 oheres alo	) ) ng Living		Second W. Se Dr Dr	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2)
pype:  epth (inch marks:  usal at 6"  DROLOG  Vetland Hy rimary Ind Surfac High V Satura Water Sedim Drift D	y ydrology Indicators: icators (minimum of oce Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No	rine) onriverine)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presence	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp se of Redu	ates (B13) Odor (C1 oheres alor uced Iron	) ) ng Living (C4)	Roots (C3)	Second W Se Dr Dr	ary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) eainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8)
DROLOG Vetland Hyrimary Ind Satura Water Sedim Drift D Surfac	y ydrology Indicators: icators (minimum of o ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6)	rine) onriverine) erine)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presend	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu Iron Redu	ates (B13) Odor (C1 oheres alor uced Iron uction in T	) ) ng Living (C4)	Roots (C3)	Second W Se Dr Dr	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2)
pype: epth (inch narks: usal at 6"  DROLOG  /etland Hyrimary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda	y ydrology Indicators: icators (minimum of o ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive nent Deposits (B2) (No ce Soil Cracks (B6) ation Visible on Aerial	rine) onriverine) erine) Imagery (E	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presend Recent Thin Mu	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu Iron Redu ock Surfac	odor (C1 oheres alou uced Iron uction in Ti ce (C7)	) ) ng Living (C4) lled Soils	Roots (C3)	Second   W.   Se   Dr   Dr   Dr   Cr   Se   Sh	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) eayfish Burrows (C8) aturation Visible on Aerial Imagery (CS) nallow Aquitard (D3)
pype: epth (inch narks:  usal at 6"  DROLOG' /etland Hy rimary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda	yydrology Indicators: icators (minimum of oce Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No peposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial -Stained Leaves (B9)	rine) onriverine) erine) Imagery (E	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presend Recent Thin Mu	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu Iron Redu ock Surfac	ates (B13) Odor (C1 oheres alor uced Iron uction in T	) ) ng Living (C4) lled Soils	Roots (C3)	Second   W.   Se   Dr   Dr   Dr   Cr   Se   Sh	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (CS
DROLOG Vetland H Surfac High V Satura Water Surfac Under Surfac Water Water Water Water	y ydrology Indicators: icators (minimum of or	rine) onriverine) erine) Imagery (E	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presend Recent Thin Mu	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu Iron Redu ock Surfac	odor (C1 oheres alou uced Iron uction in Ti ce (C7)	) ) ng Living (C4) lled Soils	Roots (C3)	Second   W.   Se   Dr   Dr   Dr   Cr   Se   Sh	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) eayfish Burrows (C8) aturation Visible on Aerial Imagery (CS) nallow Aquitard (D3)
DROLOG Vetland H Surfac High V Satura Vater Sedim Drift D Surfac Ununda Ununda Surfac Ununda Surfac Ununda Ununda Ununda	y ydrology Indicators: icators (minimum of oce Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial -Stained Leaves (B9) prvations: ater Present? Yes	rine) onriverine) erine) Imagery (E	Salt Cru   Biotic Cri   Aquatic     Hydroge     X Oxidized     Present     Recent     Thin Mu     Other (E	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu lron Redu lock Surface explain in	ates (B13) Odor (C1) wheres alouded Iron function in Time (C7) Remarks)	) ) ng Living (C4) lled Soils	Roots (C3)	Second   W.   Se   Dr   Dr   Dr   Cr   Se   Sh	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) eayfish Burrows (C8) aturation Visible on Aerial Imagery (CS) nallow Aquitard (D3)
DROLOG Vetland Hyrimary Ind Satura Water Sedim Drift D Surfac High V Satura Water Sedim Drift D Surfac Inunda Water Surfac Vater Tabl	y ydrology Indicators: icators (minimum of o ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive tent Deposits (B2) (No deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial -Stained Leaves (B9) irvations: ater Present? Yes e Present? Yes	rine) onriverine) erine) Imagery (E	Salt Cru	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu Iron Redu ick Surfac Explain in i (inches):	ates (B13) Odor (C1 oheres alor uced Iron uction in Ti ce (C7) Remarks)	) ) ng Living (C4) lled Soils	Roots (C3) (C6)	Second W. Se Dr Dr Cr Sa Sr	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) adiment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
DROLOG Vetland Hyrimary Ind Satura Water Sedim Drift D Surface Water Table Saturation I	y ydrology Indicators: icators (minimum of o ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive nent Deposits (B2) (No ce Soil Cracks (B6) ation Visible on Aerial c-Stained Leaves (B9) cryations: ater Present? Yes Present? Yes	rine) onriverine) erine) Imagery (E	Salt Cru	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu lron Redu lock Surface explain in	ates (B13) Odor (C1 oheres alor uced Iron uction in Ti ce (C7) Remarks)	) ) ng Living (C4) lled Soils	Roots (C3)	Second W. Se Dr Dr Cr Sa Sr	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) adiment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
DROLOG Vetland Hyrimary Ind Satura Water Sedim Drift D Surface Water Table aturation I	y ydrology Indicators: icators (minimum of o ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive cent Deposits (B2) (No cent Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial -Stained Leaves (B9) cryations: ater Present? Yes ce Present? Yes apillary fringe)	rine) onriverine) Imagery (E	Salt Cru	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu lron Redu ck Surface explain in (inches): (inches):	ates (B13) Odor (C1 oheres alor uced Iron uction in Ti ce (C7) Remarks)	) ng Living (C4) illed Soils	Roots (C3) (C6)  Wetland Hy	Second Will Se Dr Dr Cr Sa Sh	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) adiment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
ype: epth (inch marks: usal at 6"  DROLOG  Vetland Hy rimary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda Water ield Obse urface Wa Vater Tabl aturation I	y ydrology Indicators: icators (minimum of o ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive nent Deposits (B2) (No ce Soil Cracks (B6) ation Visible on Aerial c-Stained Leaves (B9) cryations: ater Present? Yes Present? Yes	rine) onriverine) Imagery (E	Salt Cru	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu lron Redu ck Surface explain in (inches): (inches):	ates (B13) Odor (C1 oheres alor uced Iron uction in Ti ce (C7) Remarks)	) ) ng Living (C4) illed Soils	Roots (C3) (C6)  Wetland Hy	Second Will Se Dr Dr Cr Sa Sh	ary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) adiment Deposits (B2) ( <b>Riverine</b> ) ift Deposits (B3) ( <b>Riverine</b> ) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)

Project/Site:	Wheatland Region	al Sewer		City/County:	Yuba Cour	ity		Sai	mpling Dat	te:	07/27/21
Applicant/Owner:	City of Wheatland						State: CA	Saı	mpling Poi	nt: DP	7
Investigator(s):	Daria Snider			Section	n, Township	, Range: S	Section 30,	Township 14	N, Range	5 E, M	OB&M
Landform (hillslop	e, terrace, etc.):	Hillslope		Local re	elief (concav	e, convex, r	none): Con	cave	5	Slope (%	o): <u>0-1</u>
Subregion (LRR):	Mediterranean Cal	ifornia (LRR C)	Lat:	<del></del>	39.04	4076763	Long:	-121.4	1642413	Datu	ım: NAD 83
Soil Map Unit Nar	ne: 214 - San J	oaquin loam, 0 to	_ 1 percent slo	opes				cation: None			
Are climatic / hydi	rologic conditions or	the site typical fo	r this time of	year?	Yes	X	No	(If no.	explain in	Remar	ks.)
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "No	rmal Circu	mstances" pre	-		•
Are Vegetation		, or Hydrology		naturally pr				any answers			
-	F FINDINGS – A										<b>)</b> .
Hydrophytic Vege	tation Present?	Yes N	о <b>Х</b>								
Hydric Soil Prese		Yes X N			ampled Are		Yes	No	Х		
Wetland Hydrolog		Yes X N		within	a Wetland?			<del></del> -			
Remarks:			-								
Suspect are due t	ncing an extremely on slight depression;	does not exhibit a		and criteria.							
VEGETATION	<ul> <li>Use scientifi</li> </ul>	c names of pl	ants.								
			Absolute	Dominant	Indicator	Dominand	ce Test wo	orksheet:			
Tree Stratum	(Plot size:	)	% Cover	Species?	Status	Number of	f Dominant	Species			
1.		,		·		That Are C	OBL, FACV	V, or FAC:	2	2	(A)
2.		-				Total Num	ber of Don	ninant –	-		``
3.		-					cross All S		4	4	(B)
4.						Percent of	f Dominant	Species -			` ′
			0	=Total Cove			OBL, FACV	•	50	)%	(A/B)
			-	•				_			` ′
Sapling/Shrub	Stratum (Plot size:	)				Prevalenc	ce Index W	orksheet:			
1.						Total	% Cover o	of:	Multir	oly by:	
2.						OBL speci	ies	0 x1 =		0	
3.		-				FACW spe	ecies	10 x2 =	2	:0	
4.		-	-		-	FAC speci	ies	<b>16</b> x3 =	4	8	_
5.				·		FACU spe	ecies	<b>14</b> x4 =	5	6	_
_			0	=Total Cove		UPL speci	ies	<b>10</b> x5 =	5	0	_
Herb Stratum	(Plot size: <u>1 me</u>	ter <sup>2</sup> )		•		Column To	otals:	<b>50</b> (A)	17	74	(B)
1. Festuca per	ennis		10	Χ	FAC	Prevaler	nce Index =	= B/A =	3.5		
2. Leontodon s			10	X	FACU						_
3. Plagiobothry	s greenei		10	X	FACW	Hydrophy	tic Vegeta	ation Indicato	ors:		
4. Trifolium duk	bium	-	10	X	UPL			Test is >50%			
5. Hordeum ma	arinum	-	6		FAC	F	Prevalence	Index is ≤3.0	) <sup>1</sup>		
6. Erodium bot	rys		2	·	FACU		Morphologic	cal Adaptation	ns <sup>1</sup> (Provid	le sunnc	ortina
7. Festuca broi	moides		2	·	FACU			narks or on a			g
8. Bromus horo	deaceus		T	·	FACU	F	Problematio	Hydrophytic	Vegetatio	n¹ (Expla	ain)
9. Rumex pulci	her	-	Т		FAC						
10 Lepidium nit	idum	-	T		FAC	1Indicators	s of hydric s	soil and wetla	nd hvdrolc	av must	t
11 Castilleja att	enuata		T	·	UPL		,	sturbed or pro	,	3,	
12 Eryngium ca			Т		OBL	Uyalua k-	tio			-	
			50	=Total Cove		Hydrophy Vegetatio					
% Bare Ground	d in Herb Stratum	50	% Cover of E	Biotic Crust	0	Present?	•	Yes		No	X
Remarks:				-							
40% cover of that	ch										

inches)	Color (moist)	% C	olor (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
4	10 YR 4/2	80 7.5	YR 4/6	20 C	M, PL	clay loam	
	Concentration, D=Depletio				nd Grains.		
_	il Indicators: (Applica	able to all LF					for Problematic Hydric Soils <sup>3</sup> :
_	sol (A1)			Redox (S5)			Muck (A9) (LRR C)
	Epipedon (A2)			Matrix (S6)			Muck (A10) ( <b>LRR B</b> )
	( Histic (A3)			Mucky Mineral (F1)			ced Vertic (F18)
	ogen Sulfide (A4)	<b>a</b> )		Gleyed Matrix (F2)	)		Parent Material (TF2)
	fied Layers (A5) (LRR	<b>C</b> )		d Matrix (F3)		Other	(Explain in Remarks)
	Muck (A9) (LRR D)	(8.4.4)	<del></del>	ark Surface (F6)	<b>-</b> \		
_	eted Below Dark Surfac	ce (A11)		d Dark Surface (F7	<b>(</b> )		
_	Dark Surface (A12)			Depressions (F8)		<sup>3</sup> I	ndicators of hydrophytic vegetation and
	y Mucky Mineral (S1)		Vernal P	Pools (F9)			wetland hydrology must be present,
	y Gleyed Matrix (S4)						unless disturbed or problematic.
estrictiv	e Layer (if present):						
ype:			_				
narks:	<u> </u>		- -		Ну	dric Soil Pre	sent? Yes X No
epth (inconarks: usal at 4"	·		-		Ну	dric Soil Pre	sent? Yes X No
epth (incomarks: usal at 4"	·		-		Ну	dric Soil Pre	sent? Yes X No
epth (inconarks:  usal at 4"  DROLOG  /etland Frimary Inconary	SY Hydrology Indicators: dicators (minimum of o	ne required; c		1 7/	Ну		Secondary Indicators (2 or more required)
epth (inconarks:  usal at 4"  DROLOG  /etland Frimary Inconary	Hydrology Indicators: dicators (minimum of orace Water (A1)	ne required; o	Salt Cru	st (B11)	Ну		Secondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
epth (inc narks: usal at 4" DROLOG /etland F rimary Ind Surfa High	Hydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2)	ne required; o	Salt Crus Biotic Cr	st (B11) rust (B12)			Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
DROLOG  Jetland Frimary Inc Surfa High Satur	dicators (minimum of once Water (A1) Water Table (A2) water (A3)		Salt Cruster Biotic Cruster Aquatic	st (B11) rust (B12) Invertebrates (B13	3)		Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
DROLOG /etland F rimary Ind Surfa High Satur Wate	dicators (minimum of or nice Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriver	rine)	Salt Cruster Biotic Cruster Aquatic Hydroge	st (B11) rust (B12) Invertebrates (B13 rn Sulfide Odor (C	3)		Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
DROLOG /etland F rimary Ind Surfa High Satur Wate Sedir	dicators (minimum of on the Water (A1) Water Table (A2) ration (A3) Warks (B1) (Nonrivelement Deposits (B2) (No	rine) onriverine)	Salt Crue Biotic Cr Aquatic Hydroge X Oxidized	st (B11) rust (B12) Invertebrates (B13 rn Sulfide Odor (Ci I Rhizospheres ald	3) 1) ong Living		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)
DROLOG  Jetland F  rimary In  Surfa  High  Satur  Wate  Sedir  Drift	dicators (minimum of one Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriverment Deposits (B2) (Nonriverment)	rine) onriverine)	Salt Crus Biotic Cr Aquatic Hydroge X Oxidized Presence	st (B11) rust (B12) Invertebrates (B13 rn Sulfide Odor (C I Rhizospheres alc e of Reduced Iron	3) 1) ong Living (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)
DROLOG  OROLOG  Vetland Frimary Inc Surfa High Satur Wate Sedir Drift I	dicators (minimum of or	rine) onriverine) erine)	Salt Crus Biotic Cr Aquatic Hydroge X Oxidized Presenc Recent I	st (B11) rust (B12) Invertebrates (B13 rn Sulfide Odor (C I Rhizospheres ald e of Reduced Iron ron Reduction in 1	3) 1) ong Living (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 (C9)
DROLOG Vetland H Surfa High Satur Wate Sedir Surfa Inunc	dicators (minimum of or	rine) onriverine) erine) Imagery (B7)	Salt Crus Biotic Cr Aquatic Hydroge X Oxidized Presenc Recent I Thin Mu	st (B11) rust (B12) Invertebrates (B13 in Sulfide Odor (Ci if Rhizospheres ald e of Reduced Iron ron Reduction in T ck Surface (C7)	3) 1) ong Living (C4) Tilled Soils		Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9  Shallow Aquitard (D3)
DROLOG  /etland F rimary In Surfa High Satur Wate Sedir Drift I Surfa Inunc	dicators (minimum of once Water (A1) Water Table (A2) Fration (A3) Fr Marks (B1) (Nonriver) Fration (B3) (Nonriver) Fration (B3) (Nonriver) Fration (B3) (Nonriver) Fration Visible on Aerial Fr-Stained Leaves (B9)	rine) onriverine) erine) Imagery (B7)	Salt Crus Biotic Cr Aquatic Hydroge X Oxidized Presenc Recent I Thin Mu	st (B11) rust (B12) Invertebrates (B13 rn Sulfide Odor (C I Rhizospheres ald e of Reduced Iron ron Reduction in 1	3) 1) ong Living (C4) Tilled Soils		Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
DROLOG Vetland F rimary Inc Surfa High Satur Vate Sedir Urift I Surfa Urift I Wate Wate	dicators (minimum of or	rine) onriverine) erine) Imagery (B7)	Salt Crus Biotic Cr Aquatic Hydroge X Oxidized Presenc Recent I Thin Mu	st (B11) rust (B12) Invertebrates (B13 In Sulfide Odor (C I Rhizospheres ald e of Reduced Iron ron Reduction in T ck Surface (C7) explain in Remarks	3) 1) ong Living (C4) Tilled Soils		Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
DROLOG Vetland H Surfa High Satur Sedir United Surfa Surfa High Surfa High Surfa United Surfa Surfa Surfa Surfa Surfa Surfa Surfa	dicators (minimum of or	rine) onriverine) erine) Imagery (B7)	Salt Crus Biotic Cr Aquatic Hydroge X Oxidized Presenc Recent I Thin Muc Other (E	st (B11) rust (B12) Invertebrates (B13 In Sulfide Odor (Cital Rhizospheres alce of Reduced Iron ron Reduction in Tack Surface (C7) Explain in Remarks (inches):	3) 1) ong Living (C4) Tilled Soils		Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9  Shallow Aquitard (D3)
Primary Index Primary Index Primary Index	dicators (minimum of or	rine) porriverine) erine) Imagery (B7) No	Salt Crue Biotic Cr Aquatic Hydroge X Oxidized Presenc Recent I Thin Mu Other (E  X Depth X Depth	st (B11) rust (B12) Invertebrates (B13 rn Sulfide Odor (C I Rhizospheres ald e of Reduced Iron ron Reduction in 1 ck Surface (C7) explain in Remarks (inches):	3) 1) ong Living (C4) Tilled Soils	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 (C9  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
DROLOG Vetland F Primary Inc Surfa High Satur Wate Surfa Inunc Wate Surface W Vater Tab	dicators (minimum of on the Water (A1) Water Table (A2) Fration (A3) Fration (A3) Fration (B2) (Nonriver) Fration (B3) (Nonriver) Fration (B3) (Nonriver) Fration (B3) (Nonriver) Fration (B3) (Nonriver) Fration (B4) Fration (B6) Fration (B6) Fration (B9) Fration (B9	rine) onriverine) erine) Imagery (B7)	Salt Crue Biotic Cr Aquatic Hydroge X Oxidized Presenc Recent I Thin Mu Other (E  X Depth X Depth	st (B11) rust (B12) Invertebrates (B13 In Sulfide Odor (Cital Rhizospheres alce of Reduced Iron ron Reduction in Tack Surface (C7) Explain in Remarks (inches):	3) 1) ong Living (C4) Tilled Soils	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 (C9  Shallow Aquitard (D3)
DROLOG Vetland F Irimary In Surfa High Satur Wate Surfa Inunc Wate Inunc Wate Inunc Wate Inunc Wate Inunc Wate Inunc Wate Inunc	dicators (minimum of or	rine) porriverine) erine) Imagery (B7) No No	Salt Crus Biotic Cr Aquatic Hydroge X Oxidized Presenc Recent I Thin Mu Other (E  X Depth X Depth X Depth	st (B11) rust (B12) Invertebrates (B13) In Sulfide Odor (C I Rhizospheres ald e of Reduced Iron ron Reduction in T ck Surface (C7) (xxplain in Remarks (inches): (inches):	3) 1) ong Living (C4) Tilled Soils	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 (C9  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
epth (inconarks:  usal at 4"  DROLOG  /etland F  rimary Inconary  Surfa  High Satur  Wate Sedir  Drift I  Surfa Inunct Wate ield Obs  urface W  /ater Tab aturation ncludes o	dicators (minimum of on the Water (A1) Water Table (A2) Fration (A3) Fration (A3) Fration (B2) (Nonriver) Fration (B3) (Nonriver) Fration Visible on Aerial Fr-Stained Leaves (B9) Frations: Frater Present? Fresent? Fresent	rine) porriverine) erine) Imagery (B7) No No	Salt Crus Biotic Cr Aquatic Hydroge X Oxidized Presenc Recent I Thin Mu Other (E  X Depth X Depth X Depth	st (B11) rust (B12) Invertebrates (B13) In Sulfide Odor (C I Rhizospheres ald e of Reduced Iron ron Reduction in T ck Surface (C7) (xxplain in Remarks (inches): (inches):	3) 1) ong Living (C4) Tilled Soils	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 (C9  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

Project/Site:	Wheatland Regiona	l Sewer		City/County:	Yuba Coun	ty		Samp	oling Date: _	07/27/21
Applicant/Owner:	City of Wheatland						State: CA	Samp	ling Point: <u>I</u>	DP 8
Investigator(s):	Daria Snider			Section	n, Township,	Range:	Section 30, Tov	vnship 14 N	, Range 5 E,	MDB&M
Landform (hillslop	e, terrace, etc.):	Hillslope		Local re	lief (concave	e, convex,	none): None		Slope	e (%): <u>0-1</u>
Subregion (LRR):	Mediterranean Calif	ornia (LRR C)	Lat:		39.04	1066883	Long:	-121.46	42078 D	atum: NAD 83
Soil Map Unit Nar	ne: <u>214 - San Jo</u>	oaquin loam, 0 to	1 percent slo	opes		N	IWI Classification	on: None		
Are climatic / hydr	ologic conditions on	the site typical for	this time of	year?	Yes	X	No	(If no, e	xplain in Ren	narks.)
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "N	ormal Circumsta	ances" prese	ent? Yes	X No
Are Vegetation	, Soil			naturally pro	oblematic?	(If need	led, explain any	answers in	Remarks.)	
SUMMARY OF	FINDINGS - A	_				cations,	transects, in	mportant	features,	etc.
Hydrophytic Vege	tation Present?	Yes No	> X							
Hydric Soil Presei	nt?	Yes No	- X		ampled Area a Wetland?	а	Yes	No	Χ	
Wetland Hydrolog	y Present?	Yes No	X	WILIIII	a welland?					
	ncing an extremely d		<u>-</u>							
VEGETATION	- Use scientific	names of pla	ants.							
			Absolute	Dominant			nce Test works			
Tree Stratum  1.	(Plot size:	)	% Cover	Species?	Status		of Dominant Spe OBL, FACW, or		0	(A)
2.		<del>.</del>				Total Nu	nber of Domina	nt		(//)
3.		<del>.</del>					Across All Strata		2	(B)
4.						•				—— <sup>(5)</sup>
			0	=Total Cover	-		of Dominant Spe OBL, FACW, or		0%	(A/B)
				Total Govel		111017110	0.000, 17.000, 0.0		<b>0</b> 70	(,,,,,)
Sanling/Shrub	Stratum (Plot size: _	)			•	Prevalen	ce Index Work	sheet.		
1.	<u> </u>	/					al % Cover of:	311001.	Multiply by	<i>r</i> -
2.						OBL spe		x1 =	0	<u>-</u>
3.						FACW s		x1	0	
4		<del>.</del>				FAC spe	-	x3 =	3	<del></del>
5						FACU sp		x6	256	
o			0	=Total Cover	-	UPL spec	-	x x5 =	75	
Herb Stratum	(Plot size: <u>1 mete</u>	er <sup>2</sup> )				Column		(A)	334	(B)
1. Festuca bro			30	X	FACU		ence Index = B/		4.2	(=)
2. Leontodon s		<del>.</del>	30	$\frac{X}{X}$	FACU	riovan	onee maex Br	`		<del></del>
3. Elymus capu			15		UPL	Hydroph	ytic Vegetation	Indicators	<u>.</u>	
4. Erodium boti			2		FACU		Dominance Tes			
5. Bromus horo	•		2		FACU		Prevalence Inde			
6. Briza minor			1		FAC		Morphological A		(Provide su	pporting
7. Festuca pere	ennis				FAC		data in Remark			
8.							Problematic Hy		•	,
			80	=Total Cover	-		,	' '	J (	' /
Woody Vine St	ratum (Plot size:	)					rs of hydric soil a nt, unless disturl			ust
2.						Lydranh	vtic			
				=Total Cover		Hydroph Vegetati				
% Bare Ground	d in Herb Stratum	20 %	6 Cover of E	Biotic Crust	0	Present?		Yes	No	X
Remarks:				<del></del>					<del></del>	

nches)	Color (moist)	% Co	olor (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
-3	10 YR 4/2		YR 4/6	20 C	M, PL	gravelly clay lo	
ype: C=C	oncentration, D=Depletion	n, RM=Reduced	Matrix, CS=Cover	ed or Coated San	d Grains.	<sup>2</sup> Location: PL=Pore	Lining, M=Matrix.
	Indicators: (Applica	able to all LRI		-			roblematic Hydric Soils <sup>3</sup> :
_	ol (A1)		Sandy Red			<del></del>	(A9) (LRR C)
_	Epipedon (A2)		Stripped Ma			<del></del>	(A10) ( <b>LRR B</b> )
_	Histic (A3)			ky Mineral (F1)		Reduced V	,
	gen Sulfide (A4)	_,		/ed Matrix (F2)			Material (TF2)
_	ed Layers (A5) (LRR	<b>C</b> )	X Depleted M			Other (Expl	ain in Remarks)
_	Muck (A9) ( <b>LRR D</b> )			Surface (F6)			
_	ted Below Dark Surfac	:e (А11)		ark Surface (F7	)		
_	Dark Surface (A12)			ressions (F8)		<sup>3</sup> Indica	tors of hydrophytic vegetation and
_	Mucky Mineral (S1)		Vernal Pool	ls (F9)			and hydrology must be present,
_	Gleyed Matrix (S4)					un	less disturbed or problematic.
strictive	Layer (if present):						
pe:							
epth (inch	es):				Ну	dric Soil Present?	Yes X No
epth (inch	es):				Ну	dric Soil Present?	Yes <u>X</u> No
epth (inch narks: usal at 3".					Нус	dric Soil Present?	Yes X No
epth (inch parks: usal at 3".					Hyd	dric Soil Present?	Yes X No
epth (inch arks: sal at 3". ROLOG'	Υ	ne required; ch	leck all that apply	<i>'</i> )	Ну		Yes X No
epth (inch arks: sal at 3". ROLOGY etland Hy	Y ydrology Indicators:	ne required; ch	neck all that apply	,	Hyd	Secon	
pth (inch arks: sal at 3".  ROLOG etland Hy mary Ind Surface	Y ydrology Indicators: icators (minimum of or	ne required; ch		B11)	Hyd	Secon	ndary Indicators (2 or more required)
pth (inch arks: sal at 3". ROLOG etland Hy mary Ind Surfac High V	ydrology Indicators: icators (minimum of or the Water (A1)	ne required; ch	Salt Crust ( Biotic Crust	B11)		Secon	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
ROLOG' Etland Hy mary Ind Surface High V Satura	Y ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2)		Salt Crust ( Biotic Crust Aquatic Inve	B11) : (B12)	)	Secon	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
ROLOGY etland Hy imary Ind Surfac High V Satura Water	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3)	rine)	Salt Crust ( Biotic Crust  Aquatic Inventor	B11) : (B12) ertebrates (B13)	)	Secoi	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> )
PROLOGIEMAN Surface  Surface  High Water  Sedim  Sedim  Sedim  Sedim	ydrology Indicators: icators (minimum of or the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver	rine) onriverine)	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI	B11) : (B12) ertebrates (B13) Sulfide Odor (C1	) ) ng Living	Secon	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10)
PROLOG' etland Hy imary Ind Surfac High V Satura Water Sedim Drift D	ydrology Indicators: icators (minimum of or the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No	rine) onriverine)	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI Presence o	B11) (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres alo	) ) ng Living (C4)	Secor	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
ROLOG' etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surfac	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No	rine) nriverine) erine)	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI Presence o Recent Iron	B11) E (B12) Ertebrates (B13) Sulfide Odor (C1 hizospheres alor f Reduced Iron	) ) ng Living (C4)	Secon	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
ROLOGY etland Hy mary Ind Surface High V Satura Water Sedim Drift D Surface Inunda	ydrology Indicators: icators (minimum of or the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver the Soil Cracks (B6)	rine) nriverine) erine)	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI Presence o Recent Iron Thin Muck S	B11) c (B12) crtebrates (B13) Sulfide Odor (C1 hizospheres alor f Reduced Iron I Reduction in To	) ) ng Living (C4) illed Soils	Secon	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
PROLOG' PETIAND HIGH V Satura Water Surfac Water Surfac Water Surfac Water Union Water Water	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver be Soil Cracks (B6) ation Visible on Aerial I	rine) nriverine) erine)	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI Presence o Recent Iron Thin Muck S	B11) c (B12) ertebrates (B13) Sulfide Odor (C1 hizospheres alor f Reduced Iron Reduction in Ti Surface (C7)	) ) ng Living (C4) illed Soils	Secon	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
Surface Surface High V Satura Water Sedim Drift D Surface Inunda Water	ydrology Indicators: icators (minimum of or the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver the Soil Cracks (B6) ation Visible on Aerial I -Stained Leaves (B9) rvations:	rine) onriverine) erine) Imagery (B7)	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl	B11) E (B12) Ertebrates (B13) Gulfide Odor (C1 hizospheres alor f Reduced Iron a Reduction in Ti Surface (C7) ain in Remarks)	) ) ng Living (C4) illed Soils	Secon	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
PROLOGY Petland Hyrimary Ind Surface High V Satura Water Sedim Drift D Surface Inunda Water eld Obse	y ydrology Indicators: icators (minimum of or the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver the Deposits (B2) (Nonriver the Soil Cracks (B6) ation Visible on Aerial In-Stained Leaves (B9) rvations: atter Present? Yes	rine) enriverine) erine) Imagery (B7)	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl	B11) c (B12) ertebrates (B13) Sulfide Odor (C1 hizospheres alor f Reduced Iron Reduction in Ti Surface (C7) ain in Remarks) ches):	) ) ng Living (C4) illed Soils	Secon	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3)
PROLOGY Petland Hydrimary Ind Surface High Water Sedim Drift D Surface Inunda Water Undan	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver ent Deposits (B2) (No deposits (B3) (Nonrive de Soil Cracks (B6) ation Visible on Aerial I estained Leaves (B9) rvations: ater Present? Yes de Present? Yes	rine) enriverine) erine) Imagery (B7)	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl	B11) c (B12) ertebrates (B13) Sulfide Odor (C1 hizospheres alor f Reduced Iron Reduction in Ti Surface (C7) ain in Remarks) ches):	) ) ng Living (C4) illed Soils	Secon	mdary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
ROLOG  ROLOG  etland Hy  imary Ind  Surfac  High V  Satura  Water  Sedim  Drift D  Surfac  Inunda  Under  High V  Satura  Water  Sedim  Table  ituration I	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver ent Deposits (B2) (No deposits (B3) (Nonrive de Soil Cracks (B6) ation Visible on Aerial I estained Leaves (B9) rvations: ater Present? Yes de Present? Yes	rine) erine) Imagery (B7) No	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl	B11) c (B12) ertebrates (B13) Sulfide Odor (C1 hizospheres alor f Reduced Iron Reduction in Ti Surface (C7) ain in Remarks) ches):	) ) ng Living (C4) illed Soils	Secon	mdary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
PROLOGI  PRO	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No reposits (B3) (Nonriver te Soil Cracks (B6) ation Visible on Aerial I -Stained Leaves (B9) rvations: ater Present? Yes te Present? Yes Present? Yes	rine) erine) Imagery (B7)  No No	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl  X Depth (in X Depth (in	B11) c (B12) ertebrates (B13) Sulfide Odor (C1 hizospheres alor Reduced Iron Reduction in Ti Surface (C7) ain in Remarks) ches): ches):	) ) ng Living (C4) illed Soils	Secon	mdary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
ROLOG  ROLOG  Sal at 3".  ROLOG  ROLOG  Sal at 3".  ROLOG  Sal at 3".  ROLOG  R	y y y drology Indicators: icators (minimum of or the Water (A1) Vater Table (A2) stion (A3) Marks (B1) (Nonriver the Presents (B3) (Nonriver the Soil Cracks (B6) action Visible on Aerial Institute (B9) rvations: ater Present? Yes the Present? Yes apillary fringe)	rine) erine) Imagery (B7)  No No	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S X Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl  X Depth (in X Depth (in	B11) c (B12) ertebrates (B13) Sulfide Odor (C1 hizospheres alor Reduced Iron Reduction in Ti Surface (C7) ain in Remarks) ches): ches):	) ) ng Living (C4) illed Soils	Secon	mdary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: Wheatland Regional Sewer		Citv/Countv	: Yuba Cour	ntv	Sampling Date	e: 07/27/21
Applicant/Owner: City of Wheatland		, , ,		State: CA	Sampling Poir	
Investigator(s): Daria Snider		Section	n. Township	, Range: Section 30, Town	_	
Landform (hillslope, terrace, etc.): Hillslope		_	•	re, convex, none): Concave		lope (%): 0-1
Subregion (LRR): Mediterranean California (LRR C)	Lat:	_	•	3902539 Long:		Datum: NAD 83
Soil Map Unit Name: 214 - San Joaquin loam, 0 to				NWI Classification		
Are climatic / hydrologic conditions on the site typical for	•		Yes		(If no, explain in	Remarks )
Are Vegetation, Soil, or Hydrology		-	-	<del></del>	_,	,
Are Vegetation , Soil , or Hydrology					·	
, e. riyardingy		riatarany pr	obiomatio.	(ii rioodod, oxpidiii diiy d	noworo in reomane	<i>,</i>
SUMMARY OF FINDINGS – Attach site ma	p showing	samplin	g point lo	cations, transects, im	portant feature	es, etc.
	No	le tha S	ampled Are			
Hydric Soil Present? Yes X	No		ampied Are a Wetland?	YAS X	No	
Wetland Hydrology Present? Yes X	No					
Remarks:						
Region is experiencing an extremely dry year.						
Data washed in a comment would						
Data point is in a vernal pool.						
VEGETATION - Use scientific names of p	lants.					
	Absolute	Dominant	Indicator	Dominance Test worksho	eet:	
Trac Charters (Dist size)	% Cover	Species?		Number of Dominant Spec		
Tree Stratum (Plot size:)				That Are OBL, FACW, or F		(4)
1 2.				Total Number of Densinent		(A)
3.				Total Number of Dominant Species Across All Strata:		(B)
[ <del></del>				•	<del></del>	(D)
4	0 =	Total Cove		Percent of Dominant Spec That Are OBL, FACW, or F		10/ (Λ/D)
		- Total Cove	ei.	That Are OBL, FACW, or r	AC. 100	(A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index Worksl	hoot:	
1.				Total % Cover of:	Multipl	ly by:
2.				OBL species 61	x1 = 61	
3.				FACW species 0	x2 = 0	
4				FAC species 6	x3 = 18	
5.				FACU species 10	x4 = 40	
·	0 =	Total Cove		UPL species 0	x5 = <b>0</b>	
Herb Stratum (Plot size: 1 meter <sup>2</sup> )		rotal cove	•	Column Totals: 77	(A) 119	
1. Plagiobothrys undulatus	30	Χ	OBL	Prevalence Index = B/A	_ ` ′	(5)
2. Eryngium castrense	10	$\frac{\chi}{\chi}$	OBL	Trovalonee maex B//		
3. Lasthenia glaberrima	10	X	OBL	Hydrophytic Vegetation	Indicators:	
4. Polypogon maritimus	10	$\frac{\chi}{X}$	OBL	X Dominance Test		
5. Festuca perennis	5		FAC	X Prevalence Index		
6. Centromadia fitchii	5		FACU	Morphological Ad	daptations <sup>1</sup> (Provide	e cupporting
7. Leontodon saxatilis	5		FACU		or on a separate sh	
8. Hordeum marinum	1		FAC	Problematic Hydr	rophytic Vegetation	¹ (Explain)
9. Lythrum hyssopifolium	1		OBL	<u> </u>	. , .	, ,
10 Bromus hordeaceus			FACU	<sup>1</sup> Indicators of hydric soil ar	nd wetland hydrolog	ny must
11 Festuca bromoides			FACU	be present, unless disturbe		jy muot
12 Trifolium dubium	T		UPL	Hydrophytic	<u>,                                      </u>	
	77 =	Total Cove		Vegetation		
% Bare Ground in Herb Stratum 25	% Cover of B	iotic Crust	0	Present?	Yes X	No
Remarks:				•		

nches)	Color (moist)	% C	olor (moist)	% -	Type <sup>1</sup> Loc <sup>2</sup>	Texture	e Remarks
3	10 YR 4/1	80 7.5	YR 4/6	20 C	PL	sandy clay	
pe: C=C	oncentration, D=Depletio	on, RM=Reduce	ed Matrix, CS=Co	overed or Coa	ated Sand Grain	s. <sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
	il Indicators: (Applica	able to all LR			ted.)		s for Problematic Hydric Soils <sup>3</sup> :
_	sol (A1)			Redox (S5)			Muck (A9) (LRR C)
_	Epipedon (A2)			l Matrix (S6)			Muck (A10) ( <b>LRR B</b> )
_	Histic (A3)			Mucky Miner	` '		uced Vertic (F18)
_ Hydro	ogen Sulfide (A4)			Gleyed Matri	` '		Parent Material (TF2)
_	fied Layers (A5) ( <b>LRR</b>	C)		d Matrix (F3	-	Othe	r (Explain in Remarks)
_	Muck (A9) ( <b>LRR D</b> )		Redox D	Dark Surface	e (F6)		
_ Deple	eted Below Dark Surfac	ce (A11)	Deplete	d Dark Surfa	ace (F7)		
_ Thick	Dark Surface (A12)		Redox D	Depressions	s (F8)	3	Indicators of hydrophytic vegetation and
Sand	y Mucky Mineral (S1)		Vernal F	Pools (F9)			wetland hydrology must be present,
Sand	y Gleyed Matrix (S4)						unless disturbed or problematic.
strictive	E Layer (if present):						
pe:			_				
/pe:epth (incl narks: usal at 8"			<del>-</del>		I	Hydric Soil Pro	esent? Yes X No
epth (incl narks: usal at 8"	Υ		-		1	Hydric Soil Pro	esent? Yes <u>X</u> No
epth (incl arks: asal at 8"			-			Hydric Soil Pro	
epth (incl larks: lsal at 8" ROLOG etland H limary Inc	Y lydrology Indicators: dicators (minimum of o	ne required; c				Hydric Soil Pro	Secondary Indicators (2 or more required)
epth (incl arks: asal at 8" ROLOG etland H imary Inc	lydrology Indicators: dicators (minimum of o	ne required; o	Salt Cru	st (B11)		Hydric Soil Pro	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
ppth (incl arks: sal at 8" ROLOG etland H imary Inc Surfa High	lydrology Indicators: dicators (minimum of o ce Water (A1) Water Table (A2)	ne required; o	Salt Cru Biotic C	st (B11) rust (B12)		Hydric Soil Pro	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
pth (incl arks: sal at 8" ROLOG etland H mary Inc Surfa High Satur	lydrology Indicators: dicators (minimum of o ce Water (A1) Water Table (A2) ation (A3)		Salt Cru Biotic Ci Aquatic	st (B11) rust (B12) Invertebrate	es (B13)	Hydric Soil Pro	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
pth (incl arks: sal at 8" ROLOG etland H mary Inc Surfa High Satur Wate	lydrology Indicators: dicators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	rine)	Salt Cru Biotic Cl Aquatic Hydroge	st (B11) rust (B12) Invertebrate en Sulfide O	es (B13) dor (C1)		Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
pth (incl arks: sal at 8" ROLOG etland H mary Inc Surfa High Satur Wate	lydrology Indicators: dicators (minimum of o ce Water (A1) Water Table (A2) ation (A3)	rine)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe	es (B13) dor (C1) eres along Livi		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)
ROLOG etland H mary Ind Surfa High Satur Wate Sedir Drift I	lydrology Indicators: dicators (minimum of	rine) onriverine)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe	es (B13) dor (C1)		Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
ROLOG etland H mary Ind Surfa High Satur Wate Sedir Drift I	lydrology Indicators: dicators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No	rine) onriverine)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presence	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe ee of Reduce	es (B13) dor (C1) eres along Livi	ng 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)
ROLOG etland H mary Inc Surfa High Satur Wate Sedir Orift I Surfa	lydrology Indicators: dicators (minimum of	rine) onriverine) erine)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presence Recent	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe ee of Reduce	es (B13) dor (C1) eres along Livii ed Iron (C4) ion in Tilled So	ng 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 (CS)  Shallow Aquitard (D3)
ROLOG etland H mary Ind Satur Wate Sedir Surfa Unift I Surfa Inund	dicators (minimum of of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriverset) ment Deposits (B2) (Nonriverset) Ce Soil Cracks (B6)	rine) onriverine) erine) Imagery (B7)	Salt Cru Biotic Cr Aquatic Hydroge X Oxidized Presend Recent Thin Mu	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe ee of Reduce Iron Reducti	es (B13) dor (C1) eres along Livir ed Iron (C4) ion in Tilled Sc (C7)	ng 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 (CS
ROLOG etland H imary Ind Surfa High Satur Wate Sedir Drift I Surfa Inund Wate	lydrology Indicators: dicators (minimum of	rine) onriverine) erine) Imagery (B7)	Salt Cru Biotic Cr Aquatic Hydroge X Oxidized Presend Recent Thin Mu	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe e of Reduce Iron Reducti	es (B13) dor (C1) eres along Livir ed Iron (C4) ion in Tilled Sc (C7)	ng 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 (CS)  Shallow Aquitard (D3)
PROLOG etland H imary Inc Surfa High Satur Wate Drift I Surfa Inund Wate eld Obse	ly lydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivenent Deposits (B2) (Nonrivenent Deposits (B3) (Nonriveneous) Ce Soil Cracks (B6) lation Visible on Aerial	rine) onriverine) erine) Imagery (B7)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presenc Recent Thin Mu Other (E	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe e of Reduce Iron Reducti	es (B13) dor (C1) eres along Livir ed Iron (C4) ion in Tilled Sc (C7)	ng 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 (C9)  Shallow Aquitard (D3)
PROLOG PROLOG Petland H Pe	lydrology Indicators: dicators (minimum of of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver) ment Deposits (B2) (Nonriver) ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes le Present? Yes	rine) onriverine) erine) Imagery (B7)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presend Recent Thin Mu Other (E	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe ee of Reduce Iron Reducti ick Surface Explain in Re	es (B13) dor (C1) eres along Livir ed Iron (C4) ion in Tilled Sc (C7)	ng 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 (C9)  Shallow Aquitard (D3)  X FAC-Neutral Test (D5)
epth (inclear land)  PROLOG  etland H  imary Inclear  Surfa  High Satur  Wate Sedir  Inund  Inund Wate Wate Surfa  Inund Wate High Satur  The Satur  A control  Wate A control	ly lydrology Indicators: dicators (minimum of of of oce Water (A1)) Water Table (A2) ation (A3) In Marks (B1) (Nonriver) Internet Deposits (B2) (Nonriver) Internet Deposits (B3) (Nonriver) Internet Deposits (B6) Internet Deposits	rine) onriverine) erine) Imagery (B7)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presend Recent Thin Mu Other (E	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe ee of Reduce Iron Reducti ck Surface Explain in Re	es (B13) dor (C1) eres along Livir ed Iron (C4) ion in Tilled Sc (C7)	ng 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 (CS)  Shallow Aquitard (D3)
ROLOG etland H imary Ind Surfa High Satur Wate Sedir Inund Under	ly lydrology Indicators: dicators (minimum of of of oce Water (A1)) Water Table (A2) ation (A3) In Marks (B1) (Nonriversity (Nonriversity (B2)) Deposits (B3) (Nonriversity (B6)) Indicator Visible on Aerial of the control of the con	rine) porriverine) erine) Imagery (B7)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presend Recent Thin Mu Other (E  X Depth X Depth	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe e of Reduce Iron Reducti ck Surface Explain in Re i (inches): i (inches):	es (B13) Idor (C1) Peres along Living (C4) Idon in Tilled Scale (C7) Idon in Tilled (C7) Idon in Til	ng Roots (C3) nils (C6) Wetland H	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 (CS)  Shallow Aquitard (D3)  X FAC-Neutral Test (D5)
ROLOG Patland H Mary Ind Surfa High Satur Sedir Surfa Inund Unde	ly lydrology Indicators: dicators (minimum of of of oce Water (A1)) Water Table (A2) ation (A3) In Marks (B1) (Nonriver) Internet Deposits (B2) (Nonriver) Internet Deposits (B3) (Nonriver) Internet Deposits (B6) Internet Deposits	rine) porriverine) erine) Imagery (B7)	Salt Cru Biotic Ci Aquatic Hydroge X Oxidized Presend Recent Thin Mu Other (E  X Depth X Depth	st (B11) rust (B12) Invertebrate en Sulfide O d Rhizosphe e of Reduce Iron Reducti ck Surface Explain in Re i (inches): i (inches):	es (B13) Idor (C1) Peres along Living (C4) Idon in Tilled Scale (C7) Idon in Tilled (C7) Idon in Til	ng Roots (C3) nils (C6) Wetland H	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 (CS)  Shallow Aquitard (D3)  X FAC-Neutral Test (D5)

Project/Site: Applicant/Owner:	Wheatland Regiona	al Sewer		City/County:	Yuba Coun		State: CA	_	ling Date: _ ling Point: [	07/27/21
	Daria Snider			Section	Township		Section 30, Town		_	
Landform (hillslope		Hillslope		_	•	-	none): None	•		(%): 0-1
, .	Mediterranean Calif		Lat:	_ Local IC	•	3912585				atum: NAD 83
Soil Map Unit Nam		paquin loam, 0 to		nnes	33.00		IWI Classification		<u> </u>	atum. IVAD 05
•	ologic conditions on	•	•	•	Yes	''`	No		plain in Rem	narke )
•	, Soil			significantly	_		ormal Circumstan	_,	•	,
_	, Soil						led, explain any a	-	<del>-</del>	<u> </u>
Are regetation	, 0011	_, or riyurology		naturally pro	obicinatio:	(II TICCO	icu, explaili ally a	ilowcio ili i	Komarks.)	
SUMMARY OF	FINDINGS - A	ttach site ma	p showing	sampling	g point lo	cations,	transects, im	portant	features, e	etc.
Hydrophytic Vegeta	ation Present?	Yes1	No X	lo the Ce	manlad Ara	_				
Hydric Soil Presen	t?	Yes X	No		ampled Area a Wetland?		Yes	No	Х	
Wetland Hydrology	Present?	Yes <b>X</b>	No							
Remarks: Region is experien Upland comparisor	icing an extremely d	lry year.								
VEGETATION	<ul> <li>Use scientific</li> </ul>	c names of p	lants.							
			Absolute	Dominant		Dominar	nce Test worksh	eet:		
Tree Stratum	(Plot size:	)	% Cover	Species?	Status		of Dominant Spec			
1						That Are	OBL, FACW, or F	-AC:	0	(A)
2							mber of Dominant			
3						Species A	Across All Strata:		1	(B)
4							of Dominant Spec			
			0	=Total Cover	f	That Are	OBL, FACW, or F	AC:	0%	(A/B)
0 11 101 1 0		,			-					
	Stratum (Plot size: _	)					ce Index Worksh	neet:		
1							al % Cover of:	—	Multiply by	<u> </u>
2						OBL spec		x1 = x2 =	0	
3						FAC spec		x2 = _x3 =	30	
5			-			FACU sp		x4 =	320	
J			0 :	Total Cover		UPL spec		^ <del>-</del>	0	
Herb Stratum	(Plot size: <u>1 meter</u>	r <sup>2</sup> )		rotal Gover		Column 1		(A)	350	(B)
1. Festuca bron			70	Х	FACU		ence Index = B/A		3.9	(
2. Festuca pere	nnis		10		FAC					
3. Bromus horde	eaceus		10		FACU	Hydroph	ytic Vegetation I	ndicators	:	
4.							Dominance Test	is >50%		
5.							Prevalence Index	is ≤3.0 <sup>1</sup>		
6							Morphological Ad	aptations <sup>1</sup>	(Provide sur	pporting
7							data in Remarks			
8.		_					Problematic Hydr	ophytic Ve	getation <sup>1</sup> (Ex	kplain)
		_	90	=Total Cover	-					
Woody Vine Str	atum (Plot size:	)					rs of hydric soil an nt, unless disturbe			ust
2						Hydroph	ytic			
				=Total Cover		Vegetation	on			
% Bare Ground	in Herb Stratum	10	% Cover of E	liotic Crust _	0	Present?	• 	Yes	No	<u>X</u>
Remarks:										_

nches)	Color (moist)	% C	olor (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
-3	10 YR 4/2		YR 4/6	20 C	M, PL	gravelly clay lo	
			<del></del> -				
						· -	
ype: C=C	oncentration, D=Depletion	n, RM=Reduce	d Matrix, CS=Co	vered or Coated S	and Grains.	<sup>2</sup> Location: PL=Pore	E Lining, M=Matrix.
	Indicators: (Applica	able to all LR		-			roblematic Hydric Soils <sup>3</sup> :
_	sol (A1)			edox (S5)			(A9) (LRR C)
_	Epipedon (A2)			Matrix (S6)			(A10) ( <b>LRR B</b> )
_	Histic (A3)			lucky Mineral (F	-	Reduced V	,
	gen Sulfide (A4)			leyed Matrix (F2	<u>2)</u>	<del></del>	t Material (TF2)
_	ied Layers (A5) ( <b>LRR</b>	C)		Matrix (F3)		Other (Exp	lain in Remarks)
_	Muck (A9) ( <b>LRR D</b> )			ark Surface (F6)			
_	ted Below Dark Surfac	:e (А11)		Dark Surface (F	7)		
_	Dark Surface (A12)			epressions (F8)		<sup>3</sup> Indica	tors of hydrophytic vegetation and
_	Mucky Mineral (S1)		Vernal P	ools (F9)			and hydrology must be present,
_	Gleyed Matrix (S4)					un	lless disturbed or problematic.
strictive	Layer (if present):						
					l l		
pe:							
epth (inch	es):		<u>-</u>		Ну	rdric Soil Present	? Yes <u>X</u> No
epth (inch	es):		<del>-</del> -		Ну	rdric Soil Present'	? Yes <u>X</u> No
epth (inch narks: usal at 3".			- - -		Ну	rdric Soil Present'	? Yes <u>X</u> No
epth (inch parks: usal at 3".			<u>-</u>		Ну	dric Soil Present	? Yes <u>X</u> No
epth (inch arks: sal at 3". ROLOG'	Y	ne required; c	heck all that ap	ply)	Ну		Yes X No
epth (inch arks: sal at 3". ROLOGY etland Hy	Y ydrology Indicators:	ne required; c	heck all that ap	,	Ну	Seco	
pth (inch arks: sal at 3".  ROLOG etland Hy mary Ind Surface	Y ydrology Indicators: icators (minimum of or	ne required; c	Salt Crus	,	Ну	Seco	ndary Indicators (2 or more required)
pth (inch arks: sal at 3". ROLOG etland Hy mary Ind Surfac High V	ydrology Indicators: icators (minimum of once Water (A1)	ne required; c	Salt Crus	st (B11)		Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
ROLOG' Etland Hy mary Ind Surface High V Satura	Y ydrology Indicators: icators (minimum of or ce Water (A1) Vater Table (A2)		Salt Crus Biotic Cru Aquatic I	st (B11) ust (B12)	3)	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
ROLOGY etland Hy mary Ind Surface High V Satura Water	ydrology Indicators: icators (minimum of or be Water (A1) Water Table (A2) ation (A3)	rine)	Salt Crus Biotic Cru Aquatic I Hydrogei	st (B11) ust (B12) nvertebrates (B1	3)	Seco	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> )
PROLOGIEMAN Surface  Surface  High Water  Sedim  Sedim  Sedim  Sedim	ydrology Indicators: icators (minimum of or ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriver	rine) onriverine)	Salt Crus Biotic Cru Aquatic I Hydrogel X Oxidized	st (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (C	3) C1) long Living	Seco ————————————————————————————————————	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10)
PROLOG' etland Hy imary Ind Surfac High V Satura Water Sedim Drift D	ydrology Indicators: icators (minimum of or the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No	rine) onriverine)	Salt Crus Biotic Cru Aquatic I Hydrogel X Oxidized Presence	st (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (C Rhizospheres a	3) C1) long Living n (C4)	Seco ————————————————————————————————————	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
ROLOG' etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surfac	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No	rine) onriverine) erine)	Salt Crus Biotic Cru Aquatic I Hydrogen X Oxidized Presence Recent In	st (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (C Rhizospheres a	3) C1) long Living n (C4)	Seco ————————————————————————————————————	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
ROLOGY etland Hy mary Ind Surface High V Satura Water Sedim Drift D Surface Inunda	ydrology Indicators: icators (minimum of or the Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriver thent Deposits (B2) (No deposits (B3) (Nonriver the Soil Cracks (B6)	rine) onriverine) erine) Imagery (B7)	Salt Crus Biotic Cru Aquatic I Hydrogei X Oxidized Presence Recent Ir	st (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (C Rhizospheres a e of Reduced Iro ron Reduction in	3) C1) long Living n (C4) Tilled Soils	Seco ————————————————————————————————————	ndary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9
PROLOG' PETIAND HIGH V Satura Water Surfac Water Surfac Water Surfac Water Union Water Water	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver be Soil Cracks (B6) ation Visible on Aerial -Stained Leaves (B9)	rine) onriverine) erine) Imagery (B7)	Salt Crus Biotic Cru Aquatic I Hydrogei X Oxidized Presence Recent Ir	ost (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (Coordinate) Rhizospheres a e of Reduced Iro ron Reduction in ck Surface (C7)	3) C1) long Living n (C4) Tilled Soils	Seco ————————————————————————————————————	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Surface Surface High V Satura Water Sedim Drift D Surface Inunda Water	ydrology Indicators: icators (minimum of ore Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriverset (B2) (Nonriverset (B3) (Nonriverset (B4)) Action Visible on Aerial (Action Visible on Aerial	rine) onriverine) erine) Imagery (B7)	Salt Crus Biotic Cru Aquatic I Hydroger X Oxidized Presence Recent Ir Thin Muc Other (E:	st (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (C Rhizospheres a e of Reduced Iro ron Reduction in ck Surface (C7) xplain in Remark	3) C1) long Living n (C4) Tilled Soils	Seco ————————————————————————————————————	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
PROLOGY Petland Hydrimary Ind Surface High Water Sedim Drift D Surface Inunda Water Undan	y ydrology Indicators: icators (minimum of or	rine) porriverine) erine) Imagery (B7)	Salt Crus Biotic Cru Aquatic I Hydrogei X Oxidized Presence Recent Ir Thin Muc Other (Ex	ust (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (C Rhizospheres a e of Reduced Iro ron Reduction in ck Surface (C7) xplain in Remark (inches):	3) C1) long Living n (C4) Tilled Soils	Seco ————————————————————————————————————	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
PROLOGY Petland Hydrimary Ind Surface High Water Sedim Drift D Surface Inunda Water Undan	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver te Soil Cracks (B6) ation Visible on Aerial stained Leaves (B9) rvations: ater Present? Yes the Present? Yes	rine) pariverine) erine) Imagery (B7) No	Salt Crus Biotic Cru Aquatic I Hydroget X Oxidized Presence Recent Ir Thin Muc Other (E: X Depth X Depth	st (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (C Rhizospheres a e of Reduced Iro ron Reduction in ck Surface (C7) xplain in Remark (inches):	3) C1) long Living n (C4) Tilled Soils	Seco	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
PROLOGIES SALE SALE SALE SALE SALE SALE SALE SA	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver te Soil Cracks (B6) ation Visible on Aerial stained Leaves (B9) rvations: ater Present? Yes the Present? Yes	rine) pariverine) erine) Imagery (B7) No	Salt Crus Biotic Cru Aquatic I Hydroget X Oxidized Presence Recent Ir Thin Muc Other (E: X Depth X Depth	ust (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (C Rhizospheres a e of Reduced Iro ron Reduction in ck Surface (C7) xplain in Remark (inches):	3) C1) long Living n (C4) Tilled Soils	Seco ————————————————————————————————————	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
ROLOG  ROLOG  Sal at 3".  ROLOG  ROLOG  Sal at 3".  ROLOG  Sal at 3".  ROLOG  R	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver be Soil Cracks (B6) ation Visible on Aerial -Stained Leaves (B9) rvations: ater Present? Yes de Present? Yes Present? Yes	rine) pnriverine) erine) Imagery (B7) No No	Salt Crus Biotic Cru Aquatic I Hydroget X Oxidized Presence Recent In Thin Muc Other (E: X Depth X Depth X Depth	st (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (C Rhizospheres a e of Reduced Iro ron Reduction in ck Surface (C7) xplain in Remark (inches):	3) C1) long Living n (C4) Tilled Soils s)	Roots (C3)	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
ROLOG  ROLOG  Sal at 3".  ROLOG  ROLOG  Sal at 3".  ROLOG  Sal at 3".  ROLOG  R	ydrology Indicators: icators (minimum of or be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver tent Deposits (B2) (No deposits (B3) (Nonriver te Soil Cracks (B6) ation Visible on Aerial -Stained Leaves (B9) rvations: ater Present? Yes te Present? Yes present? Yes apillary fringe)	rine) pnriverine) erine) Imagery (B7) No No	Salt Crus Biotic Cru Aquatic I Hydroget X Oxidized Presence Recent In Thin Muc Other (E: X Depth X Depth X Depth	st (B11) ust (B12) nvertebrates (B1 n Sulfide Odor (C Rhizospheres a e of Reduced Iro ron Reduction in ck Surface (C7) xplain in Remark (inches):	3) C1) long Living n (C4) Tilled Soils s)	Roots (C3)	ndary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site:	Wheatland Regiona			Oity/Odditty	Yuba Coun	ıty				mpling I			07/27/21
Applicant/Owner:	City of Wheatland						State:	CA	Sa	mpling l	Point:	DP 1	1
nvestigator(s):	Daria Snider			Sectio	n, Township	, Range:	Section	n 30, Tow	nship 14	N, Ran	ge 5 E	, MDB	&M
andform (hillslope	e, terrace, etc.):	Hillslope		Local re	elief (concav	e, convex	, none):	None			Slop	e (%):	0-1
Subregion (LRR):	Mediterranean Calif	fornia (LRR C)	Lat:	_	39.0	3911307	Long:		-121.	465976	8	Datum	: NAD 83
oil Map Unit Nam	ne: <u>214 - San J</u>	oaquin loam, 0 t	o 1 percent slo	pes			NWI Cla	assificatio	n: None	)			
re climatic / hydro	ologic conditions on	the site typical f	or this time of y	ear?	Yes	Χ	No		(If no	, explair	n in Re	marks.	)
re Vegetation	, Soil	, or Hydrology	/	significantly	disturbed?	Are "N	lormal (	Circumsta	nces" pr	esent?	Yes	Х	No
re Vegetation	, Soil	, or Hydrology	/	naturally pr	oblematic?	(If need	ded, ex	olain any	answers	in Rema	arks.)		
SUMMARY OF	FINDINGS – A	ttach site ma	p showing	sampling	point loca	itions, tr	ansec	cts, imp	ortant 1	feature	es, et	c.	
lydrophytic Vegeta	tation Present?	Yes X	No	la tha C									
lydric Soil Present	ıt?	Yes X	No		ampled Area a Wetland?	1	Yes	X	No_			_	
Vetland Hydrology	y Present?	Yes X	No										
Remarks:				1									
	ncing an extremely d ed in the apparent "v		of this vernal po	ool.									
/EGETATION -	<ul> <li>Use scientific</li> </ul>	names of p	lants.										
			Absolute	Dominant	Indicator	Domina	nce Tes	st worksh	neet:				
Tree Stratum	(Plot size:	)	% Cover	Species?	Status			inant Spe					
						That Are	OBL, F	ACW, or	FAC:		1		(A)
						Total Nu	mber of	Dominar	nt				<del>-</del>
						•	A araaa	All Ctroto					(D)
						Species	ACIOSS	All Strata	٠.		1		_(B)
						Percent	of Domi	inant Spe	cies		1		_(B)
			0	=Total Cove		Percent	of Domi		cies		100%		_(A/B)
			0	=Total Cove	r	Percent	of Domi	inant Spe	cies				-` '
	Stratum (Plot size: _	)	0	=Total Cove	r	Percent of That Are	of Domi OBL, F	inant Spe FACW, or ex Works	cies FAC:				-` '
Sapling/Shrub S	Stratum (Plot size: _	)	0	=Total Cove		Percent of That Are	of Domi OBL, F nce Ind	inant Spe FACW, or ex Works over of:	cies FAC:	М	100% ultiply b		-` ′
Sapling/Shrub S	Stratum (Plot size: _	)	0	=Total Cove		Prevaler Tot OBL spe	of Domi OBL, F nce Indi al % Co	inant Spe FACW, or ex Works over of:	cies FAC: sheet:	М	100% ultiply b		-` ′
Sapling/Shrub S	<u>Stratum</u> (Plot size: _	)				Prevaler Tot OBL spee	of Domi OBL, F nce Inda al % Co cies pecies	ex Works over of:	cies FAC: sheet: x1 = x2 =	М	100% ultiply b 0 22		-` ′
Sapling/Shrub S				=Total Cove		Prevaler Tot OBL spe FACW s FAC spe	of Domi OBL, F nce Ind al % Co cies pecies	ex Works over of:  0 11 51	x1 = x2 = x3 =	Mı	100% ultiply b 0 22 153		-` ′
Sapling/Shrub S	(Plot size: _1 mete		0	=Total Cove		Prevaler Tot OBL spe FACW s FAC spe FACU spe	of Domi OBL, F nce Ind al % Co cies pecies pecies pecies	ex Works over of:  0 11 51	x1 = x2 = x3 = x4 =	Mu	100% ultiply b 0 22 153 8		-` '
Sapling/Shrub S  Herb Stratum Festuca pere	(Plot size: <u>1 mete</u>		0 50		FAC	Prevaler Tot OBL spe FACW s FAC spe FACU sp UPL spe	of Domi OBL, F nce Ind al % Co cies pecies pecies pecies pecies cies	ex Works over of:  0 11 51 2	x1 = x2 = x3 = x4 = x5 =	Mı	100% ultiply b 0 22 153 8 10		_(A/B)
Sapling/Shrub S  Herb Stratum Festuca pere Plagiobothrys	(Plot size: <u>1 mete</u> ennis s greenei		0 50 10	=Total Cove	FAC FACW	Percent of That Are  Prevaler  Tot  OBL spe  FACW sp  FACU sp  UPL spe  Column	of Domi OBL, F nce Ind al % Co cies pecies pecies pecies pecies cies pecies rotals:	ex Works over of:  0 11 51 2 2 66	x1 = x2 = x3 = x4 = (A)		100% ultiply b 0 22 153 8 10 193		-` ′
Sapling/Shrub S  Herb Stratum Festuca pere Plagiobothrys Leontodon sa	(Plot size: <u>1 mete</u> ennis s greenei axatilis		0 50 10	=Total Cove	FAC FACW FACU	Percent of That Are  Prevaler  Tot  OBL spe  FACW sp  FACU sp  UPL spe  Column	of Domi OBL, F nce Ind al % Co cies pecies pecies pecies pecies cies pecies rotals:	ex Works over of:  0 11 51 2	x1 = x2 = x3 = x4 = (A)		100% ultiply b 0 22 153 8 10		_(A/B)
Sapling/Shrub S  Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia	(Plot size: <u>1 mete</u> ennis 's greenei axatilis a danthonioides		0 50 10 1	=Total Cove	FAC FACW FACU FACW	Percent of That Are  Prevaler  Tot  OBL spe  FACW sp  FAC spe  FACU sp  UPL spe  Column  Preva	of Domi OBL, F nce Ind al % Co cies pecies cies pecies cies totals:	ex Works over of: 0 11 51 2 2 66 dex = B/A	x1 = x2 = x3 = x4 = x5 = (A)	2	100% ultiply b 0 22 153 8 10 193		_(A/B)
Sapling/Shrub S  Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att	(Plot size: <u>1 mete</u> ennis es greenei axatilis a danthonioides tenuata		0 50 10	=Total Cove	FAC FACW FACU FACW UPL	Percent of That Are  Prevaler  Tot  OBL spe  FACW sp  FAC spe  FACU sp  UPL spe  Column  Preva  Hydroph	of Domi OBL, F nce Ind al % Co cies pecies cies pecies cies totals: lence Ir	ex Works over of:  0 11 51 2 66 dex = B//	x1 = x2 = x3 = x4 = x5 = (A)	2 prs:	100% ultiply b 0 22 153 8 10 193		_(A/B)
Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att Erodium botr	(Plot size: 1 meter ennis rs greenei axatilis a danthonioides tenuata rys		50 10 1 1	=Total Cove	FAC FACW FACU FACW UPL FACU	Percent of That Are  Prevaler  Tot  OBL spe  FACW sp  FAC spe  FACU sp  UPL spe  Column  Preva  Hydroph  X	of Dominor OBL, For Color Indiana Color Color Section Section Section Totals:	ex Works over of:  0 11 51 2 66 dex = B// egetation ance Tes	x1 = x2 = x3 = x4 = x5 = (A) A = Indicated t is >50%	2 ors:	100% ultiply b 0 22 153 8 10 193		_(A/B)
Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att Erodium botr Hordeum ma	(Plot size: <u>1 mete</u> ennis 's greenei axatilis a danthonioides tenuata rys		50 10 1 1	=Total Cove	FACU FACW FACU FACW UPL FACU FACU	Percent of That Are  Prevaler  Tot  OBL spe  FACW sp  FAC spe  FACU sp  UPL spe  Column  Preva  Hydroph	of Domin OBL, For Dom	ex Works over of:  0 11 51 2 66 adex = B// egetation ance Tese	x1 = x2 = x3 = x4 = x5 = (A)  Indicate t is >50% ex is ≤3.00	2 ors:	100%  ultiply b 0 22 153 8 10 193	py:	_(A/B)
Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att Erodium botr Hordeum ma Trifolium dub	(Plot size: 1 meter ennis is greenei axatilis a danthonioides tenuata rys arinum		0 50 10 1 1 1 1 1 1	=Total Cove	FACU FACW UPL FACU FACU UPL	Percent of That Are  Prevaler  Tot  OBL spe  FACW sp  FAC spe  FACU sp  UPL spe  Column  Preva  Hydroph  X	of Domin OBL, For Color India 1 % Color Color India 1 % Color	ex Works over of:  0 11 51 2 66 dex = B// egetation ance Tes ence Inde	x1 = x2 = x3 = x4 = x5 = (A) Indicate t is >50% ex is ≤3.0 daptation	2 ors: )	100%  0 22 153 8 10 193	py:	_(A/B)
Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att Erodium botr Hordeum ma Trifolium dub Eryngium cas	(Plot size: 1 meter ennis is greenei axatilis a danthonioides tenuata rys arinum bium strense		50 10 1 1	=Total Cove	FACU FACU FACU FACU FACU FACU FACU OBL	Percent of That Are  Prevaler  Tot  OBL spe  FACW sp  FAC spe  FACU sp  UPL spe  Column  Preva  Hydroph  X	of Domin OBL, For Color Index of Col	ex Works over of:  0 11 51 2 66 dex = B// egetation ance Tes ence Index ological A Remarks	x1 = x2 = x3 = x4 = x5 = (A)  Indicate t is >50% ex is ≤3.0 daptations or on a	2 ors: o o o o o o o o o o o o o o o o o o o	100%  0 22 153 8 10 193 2.9	upportii	_(A/B)
Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att Erodium botr Hordeum ma Trifolium dub Eryngium cas	(Plot size: 1 meter ennis is greenei axatilis a danthonioides tenuata rys arinum bium strense		0 50 10 1 1 1 1 1 1 T	=Total Cove	FACU FACW FACU FACU FACU FACU FACU OBL FACU	Percent of That Are  Prevaler  Tot  OBL spe  FACW sp  FAC spe  FACU sp  UPL spe  Column  Preva  Hydroph  X	of Domin OBL, For Color Index of Col	ex Works over of:  0 11 51 2 66 dex = B// egetation ance Tes ence Inde	x1 = x2 = x3 = x4 = x5 = (A)  Indicate t is >50% ex is ≤3.0 daptations or on a	2 ors: o o o o o o o o o o o o o o o o o o o	100%  0 22 153 8 10 193 2.9	upportii	_(A/B)
Sapling/Shrub S  Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att Erodium botr Hordeum ma Trifolium dub. Eryngium cas Bromus hord	(Plot size: 1 meter ennis is greenei axatilis a danthonioides tenuata rys arinum bium strense	)	0 50 10 1 1 1 1 1 1 T	=Total Cove	FACU FACW FACU FACU FACU FACU FACU OBL FACU	Percent of That Are  Prevaler Tot  OBL spe FACW sp FAC spe FACU sp UPL spe Column Preval  Hydroph X X	of Domin OBL, For the Color of Domin OBL, For the Color of the Color o	ex Works over of:  0 11 51 2 66 index = B// egetation ance Tes ence Index ological A Remarks matic Hyd	x1 = x2 = x3 = x4 = x5 = (A)  Indicate t is >50% ex is ≤3.0 daptatiors or on a drophytic	ors:  o o o o o o o o o o o o o o o o o o o	100%  ultiply b  22  153  8  10  193  2.9	upportir tt) Explain	_(A/B)
Sapling/Shrub S  Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att Erodium botr Hordeum ma Trifolium dub Eryngium cas Bromus hord	(Plot size: 1 meter ennis is greenei axatilis a danthonioides tenuata rys arinum bium strense	<u>(1</u> )	0 50 10 1 1 1 1 1 1 T	=Total Cove	FACU FACW FACU FACU FACU FACU FACU OBL FACU	Percent of That Are  Prevaler  Tot  OBL spe  FACW sp  FAC spe  FACU sp  UPL spe  Column  Preval  Hydroph  X  X	of Domi OBL, F nce Ind al % Co cies pecies cies pecies cies Totals: lence Ir Domin Preval Morph data in Proble	ex Works over of:  0 11 51 2 66 dex = B// egetation ance Tes ence Index ological A Remarks	x1 = x2 = x3 = x4 = x5 = (A)  Indicate t is >50% ex is ≤3.0 daptations or on a drophytic nd wetlan	2 ors: of 1 ors 1 (Proseparat Vegetar	100%  ultiply b  22  153 8 10 193 2.9	upportir tt) Explain	_(A/B)
Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att Erodium botr Hordeum ma Trifolium dub. Eryngium cas Bromus hord	(Plot size: 1 meter ennis is greenei axatilis a danthonioides tenuata rys arinum bium strense	<u>(1</u> )	0 50 10 1 1 1 1 1 1 T	=Total Cove	FACU FACW FACU FACU FACU FACU FACU OBL FACU	Percent of That Are  Prevaler  Tot  OBL spe  FACW s  FAC spe  FACU s  UPL spe  Column  Preval  Hydroph  X  X	of Domi OBL, F nce Indial % Co- cies pecies pecies pecies cies Totals: lence Ir Domin Preval Morph data in Proble	ex Works over of:  0 11 51 2 66 Idex = B// egetation ance Tes ence Index ological A Remarks matic Hyd	x1 = x2 = x3 = x4 = x5 = (A)  Indicate t is >50% ex is ≤3.0 daptations or on a drophytic nd wetlan	2 ors: of 1 ors 1 (Proseparat Vegetar	100%  ultiply b  22  153 8 10 193 2.9	upportir tt) Explain	_(A/B)
Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att Erodium botr Hordeum ma Trifolium dub. Eryngium cas Bromus hord	(Plot size: 1 meter ennis is greenei axatilis a danthonioides tenuata rys arinum bium strense	<u>(1</u> )	0 50 10 1 1 1 1 1 1 T T 66	=Total Cove	FACU FACW FACU FACU FACU FACU OBL FACU	Percent of That Are  Prevaler  Tot  OBL spe  FACW spe  FACU sp  UPL spe  Column  Preval  Hydroph  X  X	of Domin OBL, Force India 1% Coroles pecies cies cies Totals: lence Irroytic Ver Domin Preval Morphy data in Proble rs of hymphy, unle	ex Works over of:  0 11 51 2 66 Idex = B// egetation ance Tes ence Index ological A Remarks matic Hyd	x1 = x2 = x3 = x4 = x5 = (A)  Indicate t is >50% ex is ≤3.0 daptations or on a drophytic nd wetlan	2 ors: of 1 ors 1 (Proseparat Vegetar	100%  ultiply b  22  153 8 10 193 2.9	upportir tt) Explain	_(A/B)
Sapling/Shrub S  Herb Stratum Festuca pere Plagiobothrys Leontodon sa Deschampsia Castelleja att Erodium botr Hordeum ma Trifolium dub. Eryngium cas Bromus hord	(Plot size: 1 meter ennis is greenei axatilis a danthonioides tenuata rys arinum bium strense	<u>(1</u> )	0 50 10 1 1 1 1 1 1 T T 66	=Total Cove  X  =Total Cove	FACU FACW FACU FACU FACU FACU OBL FACU	Percent of That Are  Prevaler  Tot  OBL spe  FACW s  FAC spe  FACU s  UPL spe  Column  Preval  Hydroph  X  X	of Domin OBL, For the Color of Domin OBL, For the Color of the Color o	ex Works over of:  0 11 51 2 66 Idex = B// egetation ance Tes ence Index ological A Remarks matic Hyd	x1 = x2 = x3 = x4 = x5 = (A)  Indicate t is >50% ex is ≤3.0 daptations or on a drophytic nd wetlan	2 ors: of 1 ors 1 (Proseparat Vegetar	100%  ultiply b  22  153 8 10 193 2.9	upportii tt) Explain	_(A/B)

epth	Matrix		ite	dox Feat			_			
nches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textur	re	Remarks	
3	10 YR 4/2	80	7.5 YR 4/6	20	С	M, PL	gravelly c	lay lo		
							_			
					-					
vpe: C=C	oncentration, D=Depletion	. RM=Redu	ced Matrix. CS=Cov	ered or Co	pated Sand	Grains.	<sup>2</sup> Location: PL=	Pore Lining. N		
,, 	· .							<u> </u>		
ydric So	il Indicators: (Applica	ble to all	LRRs, unless oth	nerwise r	noted.)		Indicator	s for Proble	matic Hydric Soils <sup>3</sup> :	
Histo	sol (A1)		Sandy F	Redox (S	5)		1 cm	n Muck (A9) (	(LRR C)	
Histic	Epipedon (A2)		Stripped	d Matrix (	S6)		2 cm	n Muck (A10)	(LRR B)	
Black	(Histic (A3)		Loamy N	Mucky Mi	neral (F1)		Red	uced Vertic (	F18)	
Hydro	ogen Sulfide (A4)		Loamy (	Gleyed M	atrix (F2)		Red	Parent Mate	rial (TF2)	
Strati	ified Layers (A5) (LRR	C)	X Deplete	d Matrix (	(F3)		Othe	er (Explain in	Remarks)	
1 cm	Muck (A9) (LRR D)		Redox D	Dark Surfa	ace (F6)					
Deple	eted Below Dark Surfac	e (A11)	Deplete	d Dark Si	urface (F7	')				
	Dark Surface (A12)	- ( )		Depressio		,		•		
	ly Mucky Mineral (S1)			Pools (F9	. ,				f hydrophytic vegetation and	
_	ly Gleyed Matrix (S4)		veniari	0013 (1 3	,				ydrology must be present, listurbed or problematic.	
_								uniess c	ilstarbed or problematic.	
estrictive	e Layer (if present):									
уре:										
	hes):		_			н	ydric Soil Pr	esent?	Yes X No	·
epth (inc	,					н	ydric Soil Pr	esent?	Yes X No	<u> </u>
epth (inc	,		_			н	ydric Soil Pr	resent?	Yes X No	
epth (incl narks: usal at 3"						н	ydric Soil Pr	resent?	Yes X No	<u> </u>
epth (inclinarks: usal at 3"						н	ydric Soil Pr	esent?	Yes X No	<u> </u>
epth (inclinarks: usal at 3"  DROLOG		ne require	d; check all that a	pply)		Н	ydric Soil Pr		Yes X No	
epth (incl narks: usal at 3" DROLOG retland H	y lydrology Indicators:	ne require		pply) ist (B11)		Н	ydric Soil Pr	Secondary		
epth (incinarks:  usal at 3"  DROLOG  letland H  rimary Inc	lydrology Indicators: dicators (minimum of o	ne required	Salt Cru	ıst (B11)	)	Н	ydric Soil Pr	Secondary Water	Indicators (2 or more require Marks (B1) ( <b>Riverine</b> )	ed)
epth (incinarks:  usal at 3"  DROLOG  /etland H  Surfa  High	lydrology Indicators: dicators (minimum of or lice Water (A1) Water Table (A2)	ne required	X Biotic C	ıst (B11) rust (B12			ydric Soil Pr	Secondary Water Sedim	Indicators (2 or more require Marks (B1) ( <b>Riverine</b> ) nent Deposits (B2) ( <b>Riverine</b> )	ed)
epth (incinarks:  usal at 3"  DROLOG  /etland H  rimary Inc  Surfa  High  Satur	dicators (minimum of or	·	Salt Cru X Biotic C Aquatic	ist (B11) rust (B12 Invertebr	ates (B13	)	ydric Soil Pr	Secondary Water Sedim	Indicators (2 or more require Marks (B1) ( <b>Riverine</b> ) ent Deposits (B2) ( <b>Riverine</b> )	ed)
epth (incinarks:  DROLOG /etland H rimary Inc Surfa High Satur Wate	dicators (minimum of or	ine)	Salt Cru X Biotic Ci Aquatic Hydroge	ist (B11) rust (B12 Invertebr en Sulfide	ates (B13 Odor (C	)		Secondary Water Sedin Drift D	Indicators (2 or more require Marks (B1) (Riverine) enent Deposits (B2) (Riverine) deposits (B3) (Riverine) age Patterns (B10)	ed)
DROLOG /etland H rimary Ind Surfa High Satur Wate Sedir	dicators (minimum of or dice Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriver ment Deposits (B2) (No	rine) nriverine)	X Biotic C Aquatic Hydroge X Oxidized	ist (B11) rust (B12 Invertebr en Sulfide d Rhizosp	rates (B13 e Odor (Cr oheres alc	) l) ng Living	ydric Soil Pr	Secondary Water Sedin Drift D Draina	Indicators (2 or more require Marks (B1) (Riverine) nent Deposits (B2) (Riverine) deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2)	ed)
epth (incinarks:  usal at 3"  DROLOG  /etland H  Surfa  High  Satur  Wate  Sedir  Drift I	lydrology Indicators: dicators (minimum of or lice Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No	rine) nriverine)	Salt Cru X Biotic C Aquatic Hydroge X Oxidized Presence	ist (B11) rust (B12 Invertebren Sulfide d Rhizospee of Red	rates (B13 Odor (C2 oheres ald uced Iron	) l) ing Living (C4)	g Roots (C3)	Secondary Water Sedim Drift D Draina Dry-S: Crayfi	Indicators (2 or more require Marks (B1) (Riverine) nent Deposits (B2) (Riverine) deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)	ed)
DROLOG  Petland H  Surfa  High Satur  Wate Sedir  Drift I  K Surfa	lydrology Indicators: dicators (minimum of or lice Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonrive	ine) nriverine) rine)	Salt Cru X Biotic C Aquatic Hydroge X Oxidized Present	ist (B11) rust (B12) Invertebren Sulfided Rhizospee of Red Iron Redu	rates (B13 e Odor (C´ oheres alc uced Iron uction in T	) l) ing Living (C4)	g Roots (C3)	Secondary Water Sedim Drift D Draina Dry-S: Crayfi	Indicators (2 or more require Marks (B1) (Riverine) thent Deposits (B2) (Riverine) the period (B3) (Riverine) the period (B10) the period (B10	ed)
DROLOG Vetland H Surfa High Satur Wate Sedir Drift I X Surfa Inunc	dicators (minimum of or ince Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ince Soil Cracks (B6) dation Visible on Aerial	ine) nriverine) rine)	Salt Cru   X	ist (B11) rust (B12) Invertebren Sulfided Rhizospee of Red Iron Reduck Surface	e Odor (C <sup>2</sup> oheres alc uced Iron uction in T ce (C7)	) l) ong Living (C4) 'illed Soil	g Roots (C3)	Secondary Water Sedim Drift D Draina Dry-S: Crayfi Satura Shallo	Indicators (2 or more require Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) age Patterns (B10) deason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Images w Aquitard (D3)	ed)
DROLOG  Jetland H  Frimary In  Surfa  High  Satur  Wate  Sedir  Drift I  X  Surfa  Inunc  Wate	dicators (minimum of on one Water (A1) Water Table (A2) ration (A3) ref Marks (B1) (Nonriver ment Deposits (B2) (Nonriver ce Soil Cracks (B6) dation Visible on Aerial ref-Stained Leaves (B9)	ine) nriverine) rine)	Salt Cru   X	ist (B11) rust (B12) Invertebren Sulfided Rhizospee of Red Iron Reduck Surface	rates (B13 e Odor (C´ oheres alc uced Iron uction in T	) l) ong Living (C4) 'illed Soil	g Roots (C3)	Secondary Water Sedim Drift D Draina Dry-S: Crayfi Satura Shallo	Indicators (2 or more require Marks (B1) (Riverine) thent Deposits (B2) (Riverine) the period (B3) (Riverine) the period (B10) the period (B10	ed)
Surfa Surfa High Satur Wate Sedir Drift I X Surfa Inunc Wate	lydrology Indicators: dicators (minimum of once Water (A1) Water Table (A2) ration (A3) ration (A3) ration (B2) (Nonriver ment Deposits (B2) (Nonriver conce Soil Cracks (B6) diation Visible on Aerial re-Stained Leaves (B9) ervations:	ine) nriverine) rine)	Salt Cru  X Biotic Ci Aquatic Hydroge X Oxidized Presenc Recent Thin Mu Other (E	ist (B11) rust (B12 Invertebren Sulfide d Rhizospee of Red Iron Reduck Surface	ates (B13 c Odor (C' oheres ald uced Iron uction in T ce (C7) Remarks	) l) ong Living (C4) 'illed Soil	g Roots (C3)	Secondary Water Sedim Drift D Draina Dry-S: Crayfi Satura Shallo	Indicators (2 or more require Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) age Patterns (B10) deason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Images w Aquitard (D3)	ed)
DROLOG Vetland H Surfa High Satur Vate Sedir Drift I X Surfa Inunc Wate	dicators (minimum of on one Water (A1) Water Table (A2) ration (A3) ref Marks (B1) (Nonriver ment Deposits (B2) (Nonriver ce Soil Cracks (B6) dation Visible on Aerial ref-Stained Leaves (B9)	rine) nriverine) rine) Imagery (E	Salt Cru     X	ist (B11) rust (B12) Invertebren Sulfided d Rhizospe of Red Iron Reduck Surface explain in	ates (B13 c Odor (C' oheres alc uced Iron uction in T ce (C7) Remarks	) l) ong Living (C4) iilled Soil	g Roots (C3)	Secondary Water Sedim Drift D Draina Dry-S: Crayfi Satura Shallo	Indicators (2 or more require Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) age Patterns (B10) deason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Images w Aquitard (D3)	ed)
DROLOG Vetland H rimary In Surfa High Satur Vate Sedir Drift I X Surfa Inunc Wate ield Obs	lydrology Indicators: dicators (minimum of once Water (A1) Water Table (A2) ration (A3) ration (A3) ration (B2) (Nonriver ment Deposits (B2) (Nonriver conce Soil Cracks (B6) diation Visible on Aerial re-Stained Leaves (B9) ervations:	rine) nriverine) rine) Imagery (E	Salt Cru     X	ist (B11) rust (B12) Invertebren Sulfided d Rhizospe of Red Iron Reduck Surface explain in	ates (B13 c Odor (C' oheres ald uced Iron uction in T ce (C7) Remarks	) l) ong Living (C4) iilled Soil	g Roots (C3)	Secondary Water Sedim Drift D Draina Dry-S: Crayfi Satura Shallo	Indicators (2 or more require Marks (B1) (Riverine) ment Deposits (B2) (Riverine) deposits (B3) (Riverine) age Patterns (B10) deason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Images w Aquitard (D3)	ed)
DROLOG Vetland H rimary In Surfa High Satur Vate Sedir Drift I X Surfa Inunc Wate ield Obs	lydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriverment Deposits (B2) (Nonriverment Deposits (B3) (Nonriverment Deposits (B6)) diation Visible on Aerial or-Stained Leaves (B9) ervations: ater Present? Yes	rine) nriverine) rine) Imagery (E	Salt Cru     X	ist (B11) rust (B12) Invertebren Sulfided d Rhizospe of Red Iron Reduck Surface explain in	rates (B13 e Odor (C2 cheres alc uced Iron uction in T ce (C7) Remarks	) l) ong Living (C4) iilled Soil	g Roots (C3) s (C6)	Secondary Water Sedim Drift D Draina Dry-S: Crayfi Satura Shallo	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) ment Deposits (B3) (Riverine) mage Patterns (B10) meason Water Table (C2) meason Water Table (C2) meason Water Table (C3) meason Water Table (C3) meason Water Table (C4) meason Water Table (C5) meason Water Tabl	od)
DROLOG Vetland H Surfa Surfa Surfa Inunc Wate ield Obse urface W Vater Tab aturation ncludes of	lydrology Indicators: dicators (minimum of or	ine) nriverine) rine)	Salt Cru   X   Biotic C     Aquatic   Hydroge   X   Oxidized     Presenc   Recent   Thin Mu     Other (E     No	Ist (B11) rust (B12) Invertebren Sulfide d Rhizospe of Red Iron Reduck Surfac Explain in in (inches) in (inches)	rates (B13 de Odor (C' otheres alc uced Iron uction in T ce (C7) Remarks	) l) ong Living (C4) iilled Soil	g Roots (C3) s (C6) Wetland H	Secondary Water Sedim Drift D Draina Dry-Si Crayfi Satura Shallo FAC-N	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) ment Deposits (B3) (Riverine) mage Patterns (B10) meason Water Table (C2) meason Water Table (C2) meason Water Table (C3) meason Water Table (C3) meason Water Table (C4) meason Water Table (C5) meason Water Tabl	od)
DROLOG Vetland H Surfa Surfa Surfa Inunc Wate ield Obse urface W Vater Tab aturation ncludes of	ly lydrology Indicators: dicators (minimum of once Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriverment Deposits (B2) (Nonriverment Deposits (B3)) (Nonriverment Deposits (B6)) diation Visible on Aerial or-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes	ine) nriverine) rine)	Salt Cru   X   Biotic C     Aquatic   Hydroge   X   Oxidized     Presenc   Recent   Thin Mu     Other (E     No	Ist (B11) rust (B12) Invertebren Sulfide d Rhizospe of Red Iron Reduck Surfac Explain in in (inches) in (inches)	rates (B13 at the state of the	) l) ong Living (C4) iilled Soil	g Roots (C3) s (C6) Wetland H	Secondary Water Sedim Drift D Draina Dry-Si Crayfi Satura Shallo FAC-N	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) ment Deposits (B3) (Riverine) mage Patterns (B10) meason Water Table (C2) meason Water Table (C2) meason Water Table (C3) meason Water Table (C3) meason Water Table (C4) meason Water Table (C5) meason Water Tabl	od)
DROLOG Vetland H rimary Ind Surfa High Satur Wate Sedir Under Sedi	lydrology Indicators: dicators (minimum of or	ine) nriverine) rine)	Salt Cru   X   Biotic C     Aquatic   Hydroge   X   Oxidized     Presenc   Recent   Thin Mu     Other (E     No	Ist (B11) rust (B12) Invertebren Sulfide d Rhizospe of Red Iron Reduck Surfac Explain in in (inches) in (inches)	rates (B13 at the state of the	) l) ong Living (C4) iilled Soil	g Roots (C3) s (C6) Wetland H	Secondary Water Sedim Drift D Draina Dry-Si Crayfi Satura Shallo FAC-N	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) ment Deposits (B3) (Riverine) mage Patterns (B10) meason Water Table (C2) meason Water Table (C2) meason Water Table (C3) meason Water Table (C3) meason Water Table (C4) meason Water Table (C5) meason Water Tabl	od)
DROLOG Vetland H Surfa Surfa Surfa Inunc Wate ield Obse urface W Vater Tab aturation ncludes of	lydrology Indicators: dicators (minimum of or	ine) nriverine) rine)	Salt Cru   X   Biotic C     Aquatic   Hydroge   X   Oxidized     Presenc   Recent   Thin Mu     Other (E     No	Ist (B11) rust (B12) Invertebren Sulfide d Rhizospe of Red Iron Reduck Surfac Explain in in (inches) in (inches)	rates (B13 at the state of the	) l) ong Living (C4) iilled Soil	g Roots (C3) s (C6) Wetland H	Secondary Water Sedim Drift D Draina Dry-Si Crayfi Satura Shallo FAC-N	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) ment Deposits (B3) (Riverine) mage Patterns (B10) meason Water Table (C2) meason Water Table (C2) meason Water Table (C3) meason Water Table (C3) meason Water Table (C4) meason Water Table (C5) meason Water Tabl	od)
DROLOG Vetland H rimary Ind Surfa High Satur Wate Sedir Under Sedi	lydrology Indicators: dicators (minimum of or	ine) nriverine) rine)	Salt Cru   X   Biotic C     Aquatic   Hydroge   X   Oxidized     Presenc   Recent   Thin Mu     Other (E     No	Ist (B11) rust (B12) Invertebren Sulfide d Rhizospe of Red Iron Reduck Surfac Explain in in (inches) in (inches)	rates (B13 at the state of the	) l) ong Living (C4) iilled Soil	g Roots (C3) s (C6) Wetland H	Secondary Water Sedim Drift D Draina Dry-Si Crayfi Satura Shallo FAC-N	Indicators (2 or more required Marks (B1) (Riverine) ment Deposits (B2) (Riverine) ment Deposits (B3) (Riverine) mage Patterns (B10) meason Water Table (C2) meason Water Table (C2) meason Water Table (C3) meason Water Table (C3) meason Water Table (C4) meason Water Table (C5) meason Water Tabl	od)

Project/Site:	Wheatland Regiona	al Sewer		City/County	: Yuba Cour	nty			Sam	pling Date	e:	07/27/21
Applicant/Owner:	City of Wheatland					Sta	ate: CA		Sam	pling Poir	nt: <u>DP 1</u>	2
Investigator(s):	Daria Snider			Section	n, Township	, Range: <u>Se</u>	ction 30,	Townsh	nip 14 N	l, Range t	E, MDB	&M
Landform (hillslope	e, terrace, etc.):	Hillslope		Local r	elief (concav	e, convex, no	ne): None	9		s	lope (%)	: 0-1
Subregion (LRR):	Mediterranean Cali	fornia (LRR C)	Lat:		39.	0407573 L	ong:		-121.4	464884	Datun	n: NAD 83
Soil Map Unit Nam	ne: 214 - San J	oaquin loam, 0 to	1 percent slo	pes		NW	I Classifica	ation:	None			
Are climatic / hydro	ologic conditions on	the site typical fo	r this time of y	ear?	Yes	Χ	No		(If no, e	explain in	Remarks	s.)
Are Vegetation	, Soil			significantly	disturbed?	Are "Norr	mal Circun	nstance	es" pres	ent? Y	es X	No
Are Vegetation	, Soil	, or Hydrology		naturally pr	oblematic?	(If needed	, explain a	ny ans	wers in	Remarks	i.)	
SUMMARY OF	FINDINGS - A	ttach site map	showing	sampling	point loca	ations, tran	sects, ii	mport	ant fe	atures,	etc.	
Hydrophytic Veget	tation Present?	Yes <b>X</b> I	No									
Hydric Soil Presen	it?	Yes X	No		ampled Area a Wetland?		Yes	Χ	No			
Wetland Hydrolog	y Present?	Yes X	No	With the second	a rrodana.		· <u></u>		· -			
Remarks:												
Region is experier	ncing an extremely d	iry year.										
Data point is in a s	easonal wetland sw	ale										
VEGETATION	<ul> <li>Use scientific</li> </ul>	names of pla	ants.									
			Absolute	Dominant	Indicator	Dominance	Test wor	rkshee	t:			
Tree Stratum	(Plot size:	)	% Cover	Species?	Status	Number of [						
1						That Are OE	BL, FACW	, or FA	C:	2	!	(A)
2.						Total Numb						
3						Species Acr	oss All Str	rata:		2	!	(B)
4		_				Percent of D						
			0	=Total Cove	r	That Are OE	BL, FACW	, or FA	C:	100	)%	(A/B)
Sanling/Shrub 9	Stratum (Plot size:	`				Drovolonoo	Inday We		<b></b>			
1.	Stratum (Plot size: _					Prevalence	6 Cover of		et.	Multip	ly by:	
2.				-		OBL species			x1 =	ividitip 0		_
3.						FACW species			x2 =	0		_
4.						FAC species			x3 =	22		_
5.						FACU speci			x4 =	28		_
			0	=Total Cove	r	UPL species		0	x5 =	0	)	_
Herb Stratum	(Plot size: _1 mete	<u>r²</u> )				Column Tota	als:	82	(A)	25	i3	(B)
1. Hordeum ma	arinum		40	Χ	FAC	Prevalend	ce Index =	B/A =		3.1		
2. Festuca pere	ennis		30	Х	FAC							
3. Rumex pulch	ner		5		FAC	Hydrophyti	c Vegetat	ion Inc	licators	s:		
4. Anthemis cot	tula		5		FACU	<b>X</b> Do	minance <sup>1</sup>	Test is	>50%			
5. Erodium botr	•		2		FACU	Pr	evalence l	Index is	≤3.0 <sup>1</sup>			
6. Bromus hord			T		FACU		orphologic			•		ing
7. Epilobium to	•		<u>T</u>		FACW		ta in Rem				. 1	
8. <u>Leontodon s</u>	axatilis		T		FACU	Pr	oblematic	Hydrop	hytic V	egetation	' (Explair	1)
			82	=Total Cove	r							
	ratum (Plot size:	)				<sup>1</sup> Indicators of	•				y must	
1						be present,	uniess ais	turbea	or prob	iematic.		
2		_	-	=Total Cove		Hydrophyti	С					
% Bare Ground	in Herb Stratum	30	% Cover of I		0	Vegetation Present?			Yes	X	No	
	III I IEID Ollaluiii		70 COVEL OIL	Jour Olust	<u> </u>	. 16361111			169		No	
Remarks:												

epth	Matrix			Redox Feat	ıres		_			
nches)	Color (moist)	%	Color (mois	t) %	Type <sup>1</sup>	Loc <sup>2</sup>	Textur	e	Remarks	
3	10 YR 4/2	80	7.5 YR 4/6	20	С	M, PL	gravelly cl	ay lo		
		·								
	-									
	-	· ·						<del></del>		
	-									
ype: C=C	oncentration, D=Depletion	n, RM=Redu	iced Matrix, CS	=Covered or Co	ated Sand	Grains.	Location: PL=	Pore Lining, M=N	Matrix.	
	I Indicators: (Applic	able to all			-				ntic Hydric Soils <sup>3</sup> :	
_	sol (A1)			ndy Redox (S5	-			Muck (A9) ( <b>LF</b>	•	
	Epipedon (A2)			pped Matrix (S	•			Muck (A10) (L		
Black	Histic (A3)		Loa	ımy Mucky Mii	neral (F1)		Redu	uced Vertic (F1	8)	
Hydro	gen Sulfide (A4)		Loa	my Gleyed Ma	atrix (F2)		Red	Parent Materia	l (TF2)	
Strati	fied Layers (A5) ( <b>LRR</b>	C)	X Dep	oleted Matrix (	F3)		Othe	er (Explain in Re	emarks)	
1 cm	Muck (A9) (LRR D)		Red	dox Dark Surfa	ace (F6)					
— Deple	eted Below Dark Surfa	ce (A11)	Der	oleted Dark Su	ırface (F7	<b>'</b> )				
_	Dark Surface (A12)	,		dox Depressio	•	•		a		
	y Mucky Mineral (S1)			nal Pools (F9)					ydrophytic vegetation ar	nd
			vei	nai Foois (F9)	,				rology must be present,	
_	y Gleyed Matrix (S4)  e Layer (if present):							uniess dist	urbed or problematic.	
rpe:										
/pe:										
epth (inch	nes):					H	ydric Soil Pr	esent?	Yes X	No
epth (inch	<u> </u>					H	ydric Soil Pro	esent?	Yes <u>X</u>	No
epth (inch	<u> </u>		_			H	ydric Soil Pro	esent?	Yes X	No
epth (inch narks: usal at 3"			_			H	ydric Soil Pro	esent?	Yes X	No
epth (inch narks: usal at 3"						H	ydric Soil Pro	esent?	Yes X	No
epth (inch narks: usal at 3". DROLOG	Υ	one require	d; check all th	nat apply)		н	ydric Soil Pro		Yes X	
epth (inch narks: usal at 3" DROLOG etland H rimary Inc	Y ydrology Indicators:	one require		nat apply) t Crust (B11)		H	ydric Soil Pro	Secondary Inc		
epth (inch narks: usal at 3" DROLOG etland H imary Inc Surfa	Y ydrology Indicators: dicators (minimum of c	one require	Sal		)	H	ydric Soil Pro	Secondary Inc. Water M	dicators (2 or more requ	ired)
pROLOG fetland H Surfa High High	Y ydrology Indicators: dicators (minimum of compared to the co	one require	Sali	t Crust (B11)			ydric Soil Pro	Secondary Inc Water M	dicators (2 or more requ larks (B1) ( <b>Riverine</b> )	ired)
property (inch parks: usal at 3" processes (etland H rimary Inc Surfa High Satur	Y ydrology Indicators: dicators (minimum of coce Water (A1) Water Table (A2) ation (A3)	•	Sali Bio Aqu	t Crust (B11) tic Crust (B12) uatic Invertebr	ates (B13	)	ydric Soil Pro	Secondary Inc Water M Sedimer Drift Dep	dicators (2 or more requiarks (B1) ( <b>Riverine</b> ) at Deposits (B2) ( <b>Riverine</b> )	ired)
property (inch parks: usal at 3" property (etland H rimary Inc Surfa High Satur Wate	Y ydrology Indicators: dicators (minimum of coce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	rine)	Sali Bio Aqu Hyo	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide	ates (B13 Odor (C1	)		Secondary Inc Water M Sedimer Drift Dep	dicators (2 or more requivarks (B1) (Riverine) at Deposits (B2) (Riverine) e Patterns (B10)	ired)
DROLOG etland H imary Inc Surfa High Satur Wate Sedin	y ydrology Indicators: dicators (minimum of coce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivenent Deposits (B2) (No	rine) onriverine)	Sali Bior Aqu Hyc	t Crust (B11) tic Crust (B12) uatic Invertebratiogen Sulfide dized Rhizosp	ates (B13 Odor (C1 heres alo	) I) ng Living		Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea	dicators (2 or more requilarks (B1) (Riverine) at Deposits (B3) (Riverine) e Patterns (B10) son Water Table (C2)	ired)
property (incharates)  DROLOG  Tetland H  Trimary Incharates  Surfa  High '  Satur  Wate  Sedin  Drift I	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No	rine) onriverine)	Sall Biol Aqu Hyc X Oxi Pre	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide dized Rhizosp sence of Redu	ates (B13 Odor (C1 heres alo uced Iron	) l) ing Living (C4)	Roots (C3)	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea	dicators (2 or more requivarks (B1) (Riverine) and Deposits (B2) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8)	ired)
DROLOG Tetland H Surfa	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6)	rine) onriverine) erine)	Sali Bior Aqu Hyc X Oxi Pre Rec	t Crust (B11) tic Crust (B12) uatic Invertebratiogen Sulfide dized Rhizosp sence of Reducent Iron Reducent	ates (B13 Odor (C1 heres alo uced Iron uction in T	) l) ing Living (C4)	Roots (C3)	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatio	dicators (2 or more requivarks (B1) (Riverine) and Deposits (B2) (Riverine) are Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imag	ired)
DROLOG Tetland H Surfa Sutar Surfa Surfa Surfa Surfa Surfa Surfa Surfa Inund	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial	rine) onriverine) erine) Imagery (E	Sal' Bio' Aqu Hyo X Oxi Pre Rec 37) Thi	t Crust (B11) tic Crust (B12) uatic Invertebric drogen Sulfide dized Rhizosp sence of Reducent Iron Redu	odor (C1 Odor (C1 heres alo uced Iron action in T	) l) ing Living (C4) 'illed Soil	Roots (C3)	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow	dicators (2 or more requivarks (B1) (Riverine) and Deposits (B2) (Riverine) are Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imaga Aquitard (D3)	ired)
PROLOG Petland H Primary Inc Surfa High Satur Vate Sedin Drift [ Surfa Inund Wate	y  ydrology Indicators: dicators (minimum of occe Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9)	rine) onriverine) erine) Imagery (E	Sal' Bio' Aqu Hyo X Oxi Pre Rec 37) Thi	t Crust (B11) tic Crust (B12) uatic Invertebratiogen Sulfide dized Rhizosp sence of Reducent Iron Reducent	odor (C1 Odor (C1 heres alo uced Iron action in T	) l) ing Living (C4) 'illed Soil	Roots (C3)	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow	dicators (2 or more requivarks (B1) (Riverine) and Deposits (B2) (Riverine) are Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imag	ired)
OROLOG Vetland H rimary Inc Satur Wate Sedin Inund Wate Wate Wate	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9)	rine) onriverine) erine) Imagery (E	Sal   Bio   Aqu   Hyc   Y   Oxi   Pre   Rec   Rec   Oth   Oth   Color   Colo	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide dized Rhizosp sence of Redu cent Iron Redu n Muck Surface er (Explain in	ates (B13 Odor (C1 heres alo uced Iron action in T se (C7) Remarks	) l) ing Living (C4) 'illed Soil	Roots (C3)	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow	dicators (2 or more requivarks (B1) (Riverine) and Deposits (B2) (Riverine) are Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imaga Aquitard (D3)	ired)
OROLOG OROLOG ORIGINA OROLOG ORIGINA OROLOG ORIGINA OROLOG	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive nent Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present?	rine) onriverine) erine) Imagery (E	Sal   Bio   Aqu   Hyc   Y   Oxi   Pre   Rec   Oth   Oth   No   X   E	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide dized Rhizosp sence of Redu cent Iron Redu n Muck Surfac er (Explain in	ates (B13 Odor (C1 wheres alo uced Iron action in T te (C7) Remarks	) l) ing Living (C4) 'illed Soil	Roots (C3)	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow	dicators (2 or more requivarks (B1) (Riverine) and Deposits (B2) (Riverine) are Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imaga Aquitard (D3)	ired)
OROLOG OROLOG ORIGINA OROLOG ORIGINA OROLOG ORIGINA OROLOG	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes le Present? Yes	rine) porriverine) erine) Imagery (E	Sal   Bio   Aqu   Hyc   X   Oxi   Pre   Rec   S7   Thi   Oth   No   X   E   No   X   E	t Crust (B11) tic Crust (B12) uatic Invertebratiogen Sulfide dized Rhizosp sence of Reducent Iron Reducent Iron Reducer (Explain in Depth (inches)	ates (B13 Odor (C1 heres alo uced Iron uction in T ce (C7) Remarks	) l) ing Living (C4) 'illed Soil	Roots (C3)	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow FAC-Net	dicators (2 or more requirance (B1) (Riverine) at Deposits (B2) (Riverine) at Patterns (B10) at Patterns (B10) at Patterns (B10) at Patterns (C2) burrows (C8) at Patterns (C8) an Visible on Aerial Image Aquitard (D3) at Patterns (D5)	ne)
DROLOG Vetland H rimary Inc Surfa High Satur Wate Sedin Inund Wate Vetled Obse urface Water Table aturation	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes Present? Yes	rine) porriverine) erine) Imagery (E	Sal   Bio   Aqu   Hyc   X   Oxi   Pre   Rec   S7   Thi   Oth   No   X   E   No   X   E	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide dized Rhizosp sence of Redu cent Iron Redu n Muck Surfac er (Explain in	ates (B13 Odor (C1 heres alo uced Iron uction in T ce (C7) Remarks	) l) ing Living (C4) 'illed Soil	Roots (C3)	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow	dicators (2 or more requirance (B1) (Riverine) at Deposits (B2) (Riverine) at Patterns (B10) at Patterns (B10) at Patterns (B10) at Patterns (C2) burrows (C8) at Patterns (C8) an Visible on Aerial Image Aquitard (D3) at Patterns (D5)	ne)
PROLOG Vetland H Surfa High ' Satur Sedin Drift I Surfa Inund Wate Vetlad Obse Vetlater Table Saturation Includes c	y ydrology Indicators: dicators (minimum of occe Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes apillary fringe)	rine) ponriverine) erine) Imagery (E	Sal   Bio   Aqu   Hyc   X   Oxi   Pre   Rec   37)	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide dized Rhizosp sence of Redu cent Iron Redu n Muck Surfact er (Explain in Depth (inches) Depth (inches)	ates (B13 Odor (C1 heres alo uced Iron action in T te (C7) Remarks	) I) ing Living (C4) iilled Soil:	Roots (C3) s (C6) Wetland H	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow FAC-Net	dicators (2 or more requirance (B1) (Riverine) at Deposits (B2) (Riverine) at Patterns (B10) at Patterns (B10) at Patterns (B10) at Patterns (C2) burrows (C8) at Patterns (C8) an Visible on Aerial Image Aquitard (D3) at Patterns (D5)	ne)
PROLOG Vetland H Surfa High ' Satur Sedin Drift I Surfa Inund Wate Vetlad Obse Vetlater Table Saturation Includes c	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes Present? Yes	rine) ponriverine) erine) Imagery (E	Sal   Bio   Aqu   Hyc   X   Oxi   Pre   Rec   37)	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide dized Rhizosp sence of Redu cent Iron Redu n Muck Surfact er (Explain in Depth (inches) Depth (inches)	ates (B13 Odor (C1 heres alo uced Iron action in T te (C7) Remarks	) I) ing Living (C4) iilled Soil:	Roots (C3) s (C6) Wetland H	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow FAC-Net	dicators (2 or more requirance (B1) (Riverine) at Deposits (B2) (Riverine) at Patterns (B10) at Patterns (B10) at Patterns (B10) at Patterns (C2) burrows (C8) at Patterns (C8) an Visible on Aerial Image Aquitard (D3) at Patterns (D5)	ne)
DROLOG  Tetland H  Trimary Inc  Surfa  High  Satur  Wate  Sedin  Drift [  Surfa  Inund  Wate  Wate  Selin  Loud  Wate  Selin  Loud  Wate  Selin  Coribe Recorribe	y ydrology Indicators: dicators (minimum of occe Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes apillary fringe)	rine) ponriverine) erine) Imagery (E	Sal   Bio   Aqu   Hyc   X   Oxi   Pre   Rec   37)	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide dized Rhizosp sence of Redu cent Iron Redu n Muck Surfact er (Explain in Depth (inches) Depth (inches)	ates (B13 Odor (C1 heres alo uced Iron action in T te (C7) Remarks	) I) ing Living (C4) iilled Soil:	Roots (C3) s (C6) Wetland H	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow FAC-Net	dicators (2 or more requirance (B1) (Riverine) at Deposits (B2) (Riverine) at Patterns (B10) at Patterns (B10) at Patterns (B10) at Patterns (C2) burrows (C8) at Patterns (C8) an Visible on Aerial Image Aquitard (D3) at Patterns (D5)	ne)
PROLOG Vetland H Surfa High ' Satur Sedin Drift I Surfa Inund Wate Vetlad Obse Vetlater Table Saturation Includes c	y ydrology Indicators: dicators (minimum of occe Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes apillary fringe)	rine) ponriverine) erine) Imagery (E	Sal   Bio   Aqu   Hyc   X   Oxi   Pre   Rec   37)	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide dized Rhizosp sence of Redu cent Iron Redu n Muck Surfact er (Explain in Depth (inches) Depth (inches)	ates (B13 Odor (C1 heres alo uced Iron action in T te (C7) Remarks	) I) ing Living (C4) iilled Soil:	Roots (C3) s (C6) Wetland H	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow FAC-Net	dicators (2 or more requirance (B1) (Riverine) at Deposits (B2) (Riverine) at Patterns (B10) at Patterns (B10) at Patterns (B10) at Patterns (C2) burrows (C8) at Patterns (C8) an Visible on Aerial Image Aquitard (D3) at Patterns (D5)	ne)
DROLOG  Tetland H  Trimary Inc  Surfa  High  Satur  Wate  Sedin  Drift [  Surfa  Inund  Wate  Wate  Selin  Loud  Wate  Selin  Loud  Wate  Selin  Coribe Recorribe	y ydrology Indicators: dicators (minimum of occe Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes apillary fringe)	rine)  ponriverine)  Imagery (E	Sal   Bio   Aqu   Hyc   X   Oxi   Pre   Rec   37)	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide dized Rhizosp sence of Redu cent Iron Redu n Muck Surfac er (Explain in Depth (inches) Depth (inches)	ates (B13 Odor (C1 heres alo uced Iron action in T te (C7) Remarks	) I) ing Living (C4) iilled Soil:	Roots (C3) s (C6) Wetland H	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow FAC-Net	dicators (2 or more requirance (B1) (Riverine) at Deposits (B2) (Riverine) at Patterns (B10) at Patterns (B10) at Patterns (B10) at Patterns (C2) burrows (C8) at Patterns (C8) an Visible on Aerial Image Aquitard (D3) at Patterns (D5)	ne)
DROLOG  Tetland H  Trimary Inc  Surfa  High  Satur  Wate  Sedin  Drift [  Surfa  Inund  Wate  Wate  Selin  Loud  Wate  Selin  Loud  Wate  Selin  Coribe Recorribe	y ydrology Indicators: dicators (minimum of occe Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes apillary fringe)	rine)  ponriverine)  Imagery (E	Sal   Bio   Aqu   Hyc   X   Oxi   Pre   Rec   37)	t Crust (B11) tic Crust (B12) uatic Invertebra drogen Sulfide dized Rhizosp sence of Redu cent Iron Redu n Muck Surfac er (Explain in Depth (inches) Depth (inches)	ates (B13 Odor (C1 heres alo uced Iron action in T te (C7) Remarks	) I) ing Living (C4) iilled Soil:	Roots (C3) s (C6) Wetland H	Secondary Inc Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow FAC-Net	dicators (2 or more requirance (B1) (Riverine) at Deposits (B2) (Riverine) at Patterns (B10) at Patterns (B10) at Patterns (B10) at Patterns (C2) burrows (C8) at Patterns (C8) an Visible on Aerial Image Aquitard (D3) at Patterns (D5)	ne)

Are climatic / hydrologic cor Are Vegetation,	nider , etc.):  Constructed		Local re	elief (concav	, Range: Sec e, convex, nor		ship 14 N			&M
Landform (hillslope, terrace Subregion (LRR): Mediterr Soil Map Unit Name: 2 Are climatic / hydrologic cor Are Vegetation ,	, etc.): <u>Constructed</u> anean California (LRR C)		Local re	elief (concav						
Subregion (LRR): Mediterr Soil Map Unit Name: 2 Are climatic / hydrologic con Are Vegetation,	anean California (LRR C)		_	,	e, convex, nor	ne): Concave		SI	ope (%):	0-1
Soil Map Unit Name: 2 Are climatic / hydrologic cor Are Vegetation ,	, , ,	Lat:	_							
Are climatic / hydrologic cor Are Vegetation,	14 - San Joaquin Ioam, 0			39.0	3747592 Lo	ng:	-121.4	659975	Datum:	: NAD 83
Are Vegetation,		to 1 percent slo	pes		NWI	Classification	None			
	nditions on the site typical	for this time of y	/ear?	Yes_	X	No	(If no, e	explain in F	Remarks.`	)
Are Vegetation,	Soil, or Hydrolog	ју	significantly	disturbed?	Are "Norm	al Circumstar	ces" pres	ent? Ye	s X	No
	Soil, or Hydrolog	<b></b>	naturally pr	oblematic?	(If needed,	explain any a	nswers in	Remarks.	)	
SUMMARY OF FINDIN	IGS – Attach site m	ap showing	sampling	point loca	itions, trans	sects, impo	rtant fe	atures, o	etc.	
Hydrophytic Vegetation Pre	sent? Yes X	No								
Hydric Soil Present?	Yes X	No		ampled Area a Wetland?	a Y	es X	No			
Wetland Hydrology Present	? Yes X	No	Within	a welland:						
Remarks:										
Region is experiencing an e	extremely dry year.									
Data point is in a marsh on	the edge of a drainage di	tch.								
VECETATION LIES	a alamtifia mamaa af	alanta								
VEGETATION – Use	scientific names of	piants.								
		Absolute	Dominant	Indicator	Dominance	Test worksho	et:			
Tree Stratum (Plot size	o:)	% Cover	Species?	Status		ominant Spec				
1.					That Are OB	L, FACW, or F	AC:	4		(A)
2.					Total Numbe	r of Dominant				_
3					Species Acro	ss All Strata:		4		(B)
1		_				ominant Spec				
		0	=Total Cove	er	That Are OB	L, FACW, or F	AC:	100	%	_(A/B)
Sapling/Shrub Stratum (	Plot size:)	40				ndex Worksh	reet:			
1. Salix exigua		40	<u> X</u>	FACW		Cover of:		Multiply		=
2. Rubus armeniacus		10	X	FAC	OBL species		_x1 = _	60		_
3.			. ———		FACW speci		_x2 = _	106		-
1. 5.		_			FAC species FACU species		x3 = x4 =	45 0		-
J		50	=Total Cove		UPL species		x5 =	0		-
Herb Stratum (Plot size	· 1 meter <sup>2</sup> )		- Total Cove	žI	Column Tota		(A)	211		(B)
ı. Typha latifolia	, <u>, , , , , , , , , , , , , , , , , , </u>	40	X	OBL		e Index = B/A	— ` ´ —	1.6		_(5)
. Eleocharis macrosta	chya	20	X	OBL						-
B. Paspalum dilatatum	•	5		FAC	Hydrophytic	Vegetation I	ndicators	<del></del>	-	
Cyperus eragrostis		5	. ———	FACW	X Dor	ninance Test	is >50%			
. Verbena bonariensis	3	5		FACW	X Pre	valence Index	is $\leq 3.0^{1}$			
6. Polypogon monspeli	ensis	3		FACW	Moi	phological Ad	aptations	1 (Provide	supportir	ıq
7.					dat	a in Remarks	or on a se	parate sh	eet)	
3					Pro	blematic Hydr	ophytic V	egetation <sup>1</sup>	(Explain)	)
		78	=Total Cove	er						
Woody Vine Stratum (P	ot size:)					hydric soil an			must	
l					be present, u	nless disturbe	d or prob	lematic.		
2					Hydrophytic					
			=Total Cove		Vegetation			<b>v</b>		
% Bare Ground in Herb	Stratum 30	% Cover of	3iotic Crust	40	Present?		Yes_	<u>X</u> !	No	
Remarks:										

Profile Descript								
Depth	Matrix			edox Featı			_	
<del></del>	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12 10	YR 4/2	60 7	.5 YR 4/4	40	<u>C</u>	M, PL	clay	
								· -
								<u> </u>
								<u> </u>
<sup>1</sup> Type: C=Concent	tration, D=Depletion, I	RM=Reduc	ed Matrix, CS=Co	overed or Co	oated Sand	Grains.	<sup>2</sup> Location: PL=Pore	Lining, M=Matrix.
Hydric Soil Indi	cators: (Applicab	le to all L	RRs. unless of	herwise n	oted.)		Indicators for	Problematic Hydric Soils <sup>3</sup> :
Histosol (A				Redox (S5	-			ck (A9) ( <b>LRR C</b> )
Histic Epipe	•			ed Matrix (S	•			ck (A10) ( <b>LRR B</b> )
Black Histic				Mucky Mi	-		_	Vertic (F18)
	Sulfide (A4)			Gleyed Ma				ent Material (TF2)
	ayers (A5) ( <b>LRR C</b> )	`		ed Matrix (				kplain in Remarks)
		,		•			Other (Ex	kpiaiii iii Remarks)
	(A9) ( <b>LRR D</b> )	(8.4.4)		Dark Surfa	, ,			
	Selow Dark Surface	(A11)		ed Dark Su	•	)		
	Surface (A12)			Depressio	. ,		<sup>3</sup> Indi	cators of hydrophytic vegetation and
	cky Mineral (S1)		Vernal	Pools (F9)	)			etland hydrology must be present,
	yed Matrix (S4)							unless disturbed or problematic.
Restrictive Laye	er (if present):							
Туре:								
Depth (inches):						H	ydric Soil Presen	nt? Yes X No
Remarks:						i		
HYDROLOGY Wetland Hydrol	ogy Indicators:							
Wetland Hydrol	ogy Indicators: rs (minimum of one	; required;	check all that a	apply)			Sec	condary Indicators (2 or more required)
Wetland Hydrol	rs (minimum of one	required;		apply) ust (B11)			Sec	condary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )
Wetland Hydrol Primary Indicato X Surface Wa	rs (minimum of one	∍ required;	Salt Cr		)		Sec	
Wetland Hydrol Primary Indicato X Surface Wa	rs (minimum of one ater (A1) r Table (A2)	∍ required;	X Biotic 0	ust (B11)		)	Sec	Water Marks (B1) (Riverine)
Wetland Hydrol Primary Indicato X Surface Wa X High Water X Saturation	rs (minimum of one ater (A1) r Table (A2)		X Biotic (	rust (B11) Crust (B12)	ates (B13	•	Sec	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Primary Indicato X Surface Wa X High Water X Saturation Water Mark	rs (minimum of one ater (A1) r Table (A2) (A3)	ne)	Salt Cr X Biotic C X Aquatic Hydrog	ust (B11) Crust (B12) c Invertebri gen Sulfide	ates (B13 Odor (C1	)	Sec.	Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> )
Primary Indicato  X Surface Wa X High Water X Saturation Water Mark Sediment I	rs (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverin Deposits (B2) (Non	ne) riverine)	X Biotic ( X Aquatic Hydrog X Oxidize	ust (B11) Crust (B12) c Invertebri gen Sulfide	ates (B13 Odor (C1 heres alo	, ) ng Living		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hydrol Primary Indicato X Surface Wa X High Water X Saturation Water Mark Sediment I Drift Depos	rs (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverin Deposits (B2) (Noni sits (B3) (Nonriverin	ne) riverine)	X Biotic ( X Aquatic Hydrog X Oxidize Preser	cust (B11) Crust (B12) Crust (B11) Crust (B12) Crust (	ates (B13 Odor (C1 heres alo uced Iron	, ) ng Living (C4)	g Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
X Surface Wax X High Water X Saturation Water Mark Sediment D Drift Depos	rs (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverin Deposits (B2) (Non- sits (B3) (Nonriverin bil Cracks (B6)	ne) riverine) ine)	X Biotic ( X Aquation Hydrog X Oxidize Preser Recent	ust (B11) Crust (B12) c Invertebri gen Sulfide ed Rhizospace of Redu t Iron Redu	ates (B13 Odor (C1 oheres alo uced Iron uction in T	, ) ng Living (C4)	g Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Primary Indicato  X Surface Wa X High Water X Saturation Water Mark Sediment D Drift Depos Surface So Inundation	rs (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverin Deposits (B2) (Nonriverin il Cracks (B6) Visible on Aerial Im	ne) riverine) ine)	Salt Cr   X   Biotic (   X   Aquation   Hydrog     X   Oxidize     Preser     Recent	ust (B11) Crust (B12) c Invertebragen Sulfide ed Rhizospace of Redu t Iron Redu uck Surface	ates (B13 Odor (C1 oheres alo uced Iron uction in T	ng Living (C4) illed Soils	g Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Primary Indicato  X Surface Wa X High Water X Saturation Water Mark Sediment I Drift Depos Surface So Inundation Water-Stain	rs (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverin Deposits (B2) (Nonriverin iil Cracks (B6) Visible on Aerial Im ned Leaves (B9)	ne) riverine) ine)	Salt Cr   X   Biotic (   X   Aquation   Hydrog     X   Oxidize     Preser     Recent	ust (B11) Crust (B12) c Invertebri gen Sulfide ed Rhizospace of Redu t Iron Redu	ates (B13 Odor (C1 oheres alo uced Iron uction in T	ng Living (C4) illed Soils	g Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Primary Indicato X Surface Wa X High Water X Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain	rs (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverin Deposits (B2) (Nonriverin III Cracks (B6) Visible on Aerial Imned Leaves (B9) ons:	ne) riverine) ine) nagery (B7	Salt Cr X Biotic C X Aquatic Hydrog X Oxidize Preser Recent Thin M Other (	ust (B11) Crust (B12) c Invertebragen Sulfide ed Rhizospace of Redu t Iron Redu uck Surface	ates (B13 Odor (C1 oheres alo uced Iron action in T ce (C7) Remarks	ng Living (C4) illed Soils	g Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Primary Indicato X Surface Wa X High Water X Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water P	rs (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverin Deposits (B2) (Nonriverin il Cracks (B6) Visible on Aerial Imned Leaves (B9) ons: Present? Yes	ne) riverine) ne) nagery (B7	Salt Cr   X	ust (B11) Crust (B12) c Invertebragen Sulfide ed Rhizospace of Redu t Iron Redu uck Surface Explain in	ates (B13 Odor (C1 oheres alo uced Iron uction in T ce (C7) Remarks	ng Living (C4) illed Soils	g Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Primary Indicato X Surface Wa X High Water X Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water P Water Table Pre	rs (minimum of one atter (A1) r Table (A2) (A3) ks (B1) (Nonriverin Deposits (B2) (Nonriverin I Cracks (B6) Visible on Aerial Impact Leaves (B9) ons: Present? Yes Essent? Yes	ne) riverine) ne) magery (B7  X N	Salt Cr   X	ust (B11) Crust (B12) c Invertebragen Sulfide ed Rhizospace of Redu t Iron Redu uck Surface Explain in th (inches)	ates (B13 Odor (C1 oheres alo uced Iron uction in T ce (C7) Remarks :1"	) ng Living (C4) illed Soils	s (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 (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrol Primary Indicato X Surface Wa X High Water X Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water P Water Table Pre Saturation Prese	rs (minimum of one atter (A1) r Table (A2) (A3) ks (B1) (Nonriverin Deposits (B2) (Nonriverin III Cracks (B6) Visible on Aerial Impact Leaves (B9) ons: Present? Yes ent? Yes ent? Yes	ne) riverine) ne) nagery (B7	Salt Cr   X	ust (B11) Crust (B12) c Invertebragen Sulfide ed Rhizospace of Redu t Iron Redu uck Surface Explain in	ates (B13 Odor (C1 oheres alo uced Iron uction in T ce (C7) Remarks :1"	) ng Living (C4) illed Soils	s (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 (C9) Shallow Aquitard (D3)
Primary Indicato  X Surface Wa X High Water X Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water P Water Table Pre Saturation Prese (includes capillar)	rs (minimum of one ater (A1) r Table (A2) (A3) (A5) Deposits (B2) (Nonriverin Deposits (B2) (Nonriverin Deposits (B3) (Nonriverin Deposits (B6) (Non	ne) riverine) ine) magery (B7  X N  X N	Salt Cr X Biotic ( X Aquatic Hydrog X Oxidize Preser Recent Thin M Other ( Deptillo Deptillo	rust (B11) Crust (B12) c Invertebra gen Sulfide ed Rhizosp ace of Redu t Iron Redu uck Surface (Explain in th (inches) th (inches)	ates (B13 Odor (C1 otheres alo uced Iron uction in T ce (C7) Remarks :1" :	ng Living (C4) illed Soils	s (C6)  X  Wetland Hydro	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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Wetland Hydrol Primary Indicato X Surface Wa X High Water X Saturation Water Mark Sediment I Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water P Water Table Pre Saturation Press (includes capillar) Describe Recorded	rs (minimum of one ater (A1) r Table (A2) (A3) (A5) Deposits (B2) (Nonriverin Deposits (B2) (Nonriverin Deposits (B3) (Nonriverin Deposits (B6) (Non	ne) riverine) ine) magery (B7  X N  X N	Salt Cr X Biotic ( X Aquatic Hydrog X Oxidize Preser Recent Thin M Other ( Deptillo Deptillo	rust (B11) Crust (B12) c Invertebra gen Sulfide ed Rhizosp ace of Redu t Iron Redu uck Surface (Explain in th (inches) th (inches)	ates (B13 Odor (C1 otheres alo uced Iron uction in T ce (C7) Remarks :1" :	ng Living (C4) illed Soils	s (C6)  X  Wetland Hydro	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrol Primary Indicato X Surface Wa X High Water X Saturation Water Marl Sediment I Drift Depos Surface So Inundation Water-Stail Field Observati Surface Water P Water Table Pre Saturation Press (includes capillal escribe Recorded	rs (minimum of one ater (A1) r Table (A2) (A3) (A5) Deposits (B2) (Nonriverin Deposits (B2) (Nonriverin Deposits (B3) (Nonriverin Deposits (B6) (Non	ne) riverine) ine) magery (B7  X N  X N	Salt Cr X Biotic ( X Aquatic Hydrog X Oxidize Preser Recent Thin M Other ( Deptillo Deptillo	rust (B11) Crust (B12) c Invertebra gen Sulfide ed Rhizosp ace of Redu t Iron Redu uck Surface (Explain in th (inches) th (inches)	ates (B13 Odor (C1 otheres alo uced Iron uction in T ce (C7) Remarks :1" :	ng Living (C4) illed Soils	s (C6)  X  Wetland Hydro	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrol Primary Indicato X Surface Wa X High Water X Saturation Water Marl Sediment I Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water P Water Table Pre Saturation Prese (includes capillal	rs (minimum of one ater (A1) r Table (A2) (A3) (A5) Deposits (B2) (Nonriverin Deposits (B2) (Nonriverin Deposits (B3) (Nonriverin Deposits (B6) (Non	ne) riverine) ine) magery (B7  X N  X N	Salt Cr X Biotic ( X Aquatic Hydrog X Oxidize Preser Recent Thin M Other ( Deptillo Deptillo	rust (B11) Crust (B12) c Invertebra gen Sulfide ed Rhizosp ace of Redu t Iron Redu uck Surface (Explain in th (inches) th (inches)	ates (B13 Odor (C1 otheres alo uced Iron uction in T ce (C7) Remarks :1" :	ng Living (C4) illed Soils	s (C6)  X  Wetland Hydro	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: Applicant/Owner: Investigator(s):	Wheatland Regiona City of Wheatland Daria Snider	l Sewer		City/County:		Ĭ	e: <u>CA</u>	Samp	ling Date: ling Point:		
Landform (hillslop		Terrace		_		e, convex, none				pe (%):	
	Mediterranean Califo		Lat:	_	•	0374815 Lon					NAD 83
Soil Map Unit Nan	-	paquin loam, 0 to 1	-		00.0		Classification:		75001	Dataiii.	TAD 00
•	ologic conditions on t				Yes				plain in Re	marke \	
•	•		•		<del>-</del>				•	,	
Are Vegetation	, Soil						al Circumstance				NO
Are Vegetation	, Soil	_, or Hydrology		riaturally pro	DDIETTIALIC?	(ii rieeded, e	explain any ans	weisiiir	temarks.)		
SUMMARY OF	FINDINGS - Att	tach site map	showings	sampling <sub>l</sub>	point loca	tions, trans	ects, import	ant fea	tures, et	tc.	
Hydrophytic Vege	tation Present?	YesN		le the Sa	mpled Area						
Hydric Soil Preser	nt?	Yes N	oX		illipied Area i Wetland?	' Ye	es	No	Х		
Wetland Hydrolog	y Present?	Yes N	oX								
Remarks:											
Region is experien	ncing an extremely dr	ry year.									
Upland compariso	on to DP 13.										
VEGETATION	<ul> <li>Use scientific</li> </ul>	names of plai	nts.								
			Absolute	Dominant		Dominance T	est workshee	t:			
Tree Stratum	(Plot size:	)	% Cover	Species?	Status		minant Specie				
1.						That Are OBL	, FACW, or FA	C:	0		(A)
2.						Total Number	of Dominant				
3.						Species Acros	ss All Strata:		1		(B)
4.						Percent of Do	minant Species				
			0	=Total Cover	r		, FACW, or FA		0%		(A/B)
Sapling/Shrub	Stratum (Plot size:	)			•	Prevalence In	dex Workshe	et:			
1.						Total %	Cover of:		Multiply	by:	
2.						OBL species	0	x1 =	0		
3.						FACW specie	s 0	x2 =	0		
4.						FAC species	10	x3 =	30		
5.						FACU species	40	x4 =	160		
			0	=Total Cover		UPL species	40	x5 =	200		
Herb Stratum	(Plot size: _1 meter	<u>2</u> )				Column Totals	s: <b>90</b>	(A)	390		(B)
1. Bromus hord	deaceus		40	Χ	FACU	Prevalence	Index = B/A =		4.3		
2. Elymus capu	ıt-medusae		30	X	UPL		•				
3. Centaurea s	olstitialis		10		UPL	Hydrophytic '	Vegetation Inc	licators:			
4. Festuca pere	ennis		10		FAC	Dom	inance Test is	>50%			
5.						Prev	alence Index is	s ≤3.0 <sup>1</sup>			
6.						Morr	hological Adap	otations <sup>1</sup>	(Provide s	upporting	ר
7.							in Remarks or				,
8.						Prob	lematic Hydrop	hytic Ve	getation¹ (l	Explain)	
			90	=Total Cover	r						
Woody Vine St	ratum (Plot size:	)				<sup>1</sup> Indicators of	hydric soil and	wetland h	ıvdroloav r	must	
1.							less disturbed				
2.						I le calma m he cái a					
				=Total Cover	r	Hydrophytic Vegetation					
% Bare Ground	d in Herb Stratum	10	% Cover of E		0	Present?		Yes	No	<b>X</b>	
Remarks:					•						
itemarks.											

	Matrix		R	edox Feat			•			
nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
6"	10 YR 3/3	100					clay loam	<u></u>		
					·					
								<del></del>		
ype: C=Cc	oncentration, D=Depletion	n, RM=Redu	ced Matrix, CS=Co	vered or C	oated Sand	Grains. 2	Location: PL=P	Pore Lining, M=Matrix.		
	I Indicators: (Applic	able to all I						for Problematic H	-	
_	sol (A1)			Redox (S	•			Muck (A9) (LRR C)		
_ Histic	Epipedon (A2)		Strippe	d Matrix (	S6)		2 cm l	Muck (A10) ( <b>LRR E</b>	3)	
Black	Histic (A3)		Loamy	Mucky M	ineral (F1)		Reduc	ced Vertic (F18)		
Hydro	gen Sulfide (A4)		Loamy	Gleyed M	1atrix (F2)		Red P	Parent Material (TF2	2)	
Stratif	ied Layers (A5) ( <b>LRR</b>	<b>C</b> )	Deplet	ed Matrix	(F3)		Other	(Explain in Remark	ks)	
_ 1 cm l	Muck (A9) ( <b>LRR D</b> )		Redox	Dark Surf	face (F6)					
Deple	ted Below Dark Surfa	ce (A11)	Deplet	ed Dark S	urface (F7)					
Thick	Dark Surface (A12)		Redox	Depression	ons (F8)		3,	ndicators of hydror	abutio ve zatati -	a and
Sandy	/ Mucky Mineral (S1)			Pools (F9			-1	wetland hydrology	, ,	
_	Gleyed Matrix (S4)		_	•				unless disturbed		
	Layer (if present):								•	
mo:	,									
/pe: epth (inch	200):						dric Soil Pres		Yes	No
narks: nydric soil	indicators observed.									
	indicators observed.					l				
nydric soil										
nydric soil	Y									
PROLOGY	Y ydrology Indicators:									
PROLOGN etland Hy	Y ydrology Indicators: licators (minimum of c							Secondary Indicato		
PROLOGN etland Hy imary Ind Surface	Y ydrology Indicators: licators (minimum of compared to the co		Salt Cr	ust (B11)				Water Marks	(B1) (Riverine)	
PROLOGY etland Hy imary Ind Surfac High V	ydrology Indicators: licators (minimum of coe Water (A1) Water Table (A2)		Salt Cr Biotic 0	ust (B11) Crust (B12	2)			Water Marks Sediment Dep	(B1) (Riverine) posits (B2) (Riv	erine)
OROLOGY etland Hy imary Ind Surfac High V	ydrology Indicators: licators (minimum of coe Water (A1) Water Table (A2) ation (A3)	one required	Salt Cr Biotic (	ust (B11) Crust (B12 c Inverteb	2) rates (B13)			Water Marks Sediment Deposits	(B1) (Riverine) posits (B2) (Riverine)	erine)
OROLOGN etland Hy imary Ind Surfac High V Satura Water	ydrology Indicators: licators (minimum of concert (A1) Water Table (A2) ation (A3)	one required	Salt Cr Biotic ( Aquati	ust (B11) Crust (B12 c Inverteb en Sulfide	2) rates (B13) e Odor (C1)			Water Marks Sediment Deposits Drainage Patt	(B1) (Riverine) posits (B2) (Riv (B3) (Riverine terns (B10)	erine)
OROLOGN etland Hy imary Ind Surfac High V Satura Water	ydrology Indicators: licators (minimum of coe Water (A1) Water Table (A2) ation (A3)	one required	Salt Cr Biotic ( Aquati	ust (B11) Crust (B12 c Inverteb en Sulfide	2) rates (B13) e Odor (C1)		- - - - - - Roots (C3)	Water Marks Sediment Deposits Drainage Patt	(B1) (Riverine) posits (B2) (Riverine)	erine)
PROLOGN etland Hy imary Ind Surfac High V Satura Water Sedim	ydrology Indicators: licators (minimum of concert (A1) Water Table (A2) ation (A3)	one required erine) onriverine)	Salt Cr Biotic ( Aquati Hydrog Oxidize	ust (B11) Crust (B12 c Inverteblen Sulfide ed Rhizos	2) rates (B13) e Odor (C1)	g Living		Water Marks Sediment Deposits Drainage Patt	(B1) (Riverine) posits (B2) (Riv (B3) (Riverine terns (B10) Vater Table (C2	erine)
PROLOGN etland Hy imary Ind Surface High V Satura Water Sedim Drift D	yydrology Indicators: licators (minimum of co ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No	one required erine) onriverine)	Salt Cr Biotic G Aquati Hydrog Oxidizg	ust (B11) Crust (B12 c Inverteb en Sulfide ed Rhizos ace of Red	2) rates (B13) e Odor (C1) pheres alor	ig Living C4)	- - - Roots (C3)	Water Marks Sediment Deporits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro	(B1) (Riverine) posits (B2) (Riv (B3) (Riverine terns (B10) Vater Table (C2	erine) )
PROLOGN etland Hy imary Ind Surface High V Satura Water Sedim Drift D Surface	yydrology Indicators: licators (minimum of cope Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No	erine) contiverine) contiverine) contiverine)	Salt Cr Biotic ( Aquation Hydrog Oxidize Preser Recen	ust (B11) Crust (B12 c Inverteb en Sulfide ed Rhizos ace of Red	2) rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til	ig Living C4)	- - - Roots (C3)	Water Marks Sediment Deporits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro	(B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2) ows (C8) sible on Aerial II	erine) )
PROLOGN etland Hy imary Ind Surfac High W Satura Water Sedim Drift D Surfac	yydrology Indicators: licators (minimum of cope Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6)	erine) contiverine) erine) l Imagery (B	Salt Cr Biotic C Aquati Hydrog Oxidize Preser Recen Thin M	ust (B11) Crust (B12 c Inverteb- gen Sulfide ed Rhizos ace of Red t Iron Red uck Surfa	2) rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til	ig Living C4)	- - - Roots (C3)	Water Marks Sediment Deporits Drift Deposits Drainage Patt Dry-Season V Crayfish Burre Saturation Vis	(B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Intard (D3)	erine) )
PROLOGN etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda	y ydrology Indicators: licators (minimum of oce De Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial	erine) contiverine) erine) l Imagery (B	Salt Cr Biotic C Aquati Hydrog Oxidize Preser Recen Thin M	ust (B11) Crust (B12 c Inverteb- gen Sulfide ed Rhizos ace of Red t Iron Red uck Surfa	2) rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til ce (C7)	ig Living C4)	- - - Roots (C3)	Water Marks Sediment Deposits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Shallow Aquit	(B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Intard (D3)	erine) )
PROLOGN etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda U Water	y ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9)	erine) contiverine) erine) l Imagery (B	Salt Cr Biotic ( Aquati- Hydrog Oxidize Preser Recen Thin M Other (	ust (B11) Crust (B12 c Inverteb- gen Sulfide ed Rhizos ace of Red t Iron Red uck Surfa	rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til ce (C7) n Remarks)	ig Living C4)	- - - Roots (C3)	Water Marks Sediment Deposits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Shallow Aquit	(B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Intard (D3)	erine) )
PROLOGY etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surfac Unuda Water eld Obse	yydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial restained Leaves (B9) ervations:	erine) contiverine) erine) l Imagery (B	Salt Cr   Biotic (   Aquatin   Hydrog   Oxidiza   Preser   Recen   Thin M   Other (	ust (B11) Crust (B12) c Inverteb gen Sulfide ed Rhizos ice of Rec t Iron Red uck Surfa Explain in	rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til ce (C7) n Remarks)	g Living C4) led Soils	- - - Roots (C3)	Water Marks Sediment Deposits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Shallow Aquit	(B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Intard (D3)	erine) )
PROLOGY etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surfac Unuda Water eld Obse	yydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) lation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No leposits (B3) (Nonrive les Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) lervations: later Present? Yes le Present? Yes	erine) contiverine) erine) l Imagery (B	Salt Cr   Biotic (   Aquatin   Hydrog   Oxidiza   Preser   Recen   Thin M   Other (	ust (B11) Crust (B12) Crust (B	rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til ce (C7) n Remarks)	g Living C4) led Soils	Roots (C3)	Water Marks Sediment Deposits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Shallow Aquit	(B1) (Riverine) posits (B2) (Riverine) posits (B3) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2 pws (C8) sible on Aerial Interest (D3) Test (D5)	erine) )
PROLOGN etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surface Inunda Water eld Obse urface Wa ater Table	yydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) lation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No leposits (B3) (Nonrive les Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) lervations: later Present? Yes le Present? Yes	erine) contiverine) erine) l Imagery (B	Salt Cr   Biotic (   Aquatin   Hydrog   Oxidiza   Preser   Recen   Thin M   Other (	ust (B11) Crust (B12) Crust (B	rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til ce (C7) n Remarks) ):	g Living C4) led Soils	Roots (C3)	Water Marks Sediment Deposits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Shallow Aquit FAC-Neutral	(B1) (Riverine) posits (B2) (Riverine) posits (B3) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2 pws (C8) sible on Aerial Interest (D3) Test (D5)	erine) ) ) magery (C
PROLOGN etland Hy imary Ind Surfac High V Satura Sedim Drift D Surfac Inunda Water eld Obse urface Wa ater Table aturation F	yydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes	erine) converine) erine) l Imagery (B	Salt Cr   Biotic (   Aquatic     Hydrog     Oxidizc     Preser     Recen     Thin M     Other (   No	ust (B11) Crust (B12) Crust (B	2) rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til ce (C7) n Remarks) ):	g Living C4) led Soils	Roots (C3)	Water Marks Sediment Deposits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Shallow Aquit FAC-Neutral	(B1) (Riverine) posits (B2) (Riverine) posits (B3) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2 pws (C8) sible on Aerial Interest (D3) Test (D5)	erine) ) ) magery (C
PROLOGN etland Hy imary Ind Surface High V Satura Water Sedim Drift D Surface Inunda Water eld Obse urface Wa ater Table aturation facilides ca	y ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) lation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No leposits (B3) (Nonrive oce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) livations: later Present? Yes Present? Yes apillary fringe)	erine) converine) erine) l Imagery (B	Salt Cr   Biotic (   Aquatic     Hydrog     Oxidizc     Preser     Recen     Thin M     Other (   No	ust (B11) Crust (B12) Crust (B	2) rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til ce (C7) n Remarks) ):	g Living C4) led Soils	Roots (C3)	Water Marks Sediment Deposits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Shallow Aquit FAC-Neutral	(B1) (Riverine) posits (B2) (Riverine) posits (B3) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2 pws (C8) sible on Aerial Interest (D3) Test (D5)	erine) ) ) magery (C
PROLOGN etland Hy imary Ind Surfac High V Satura Sedim Drift D Surfac Inunda Water eld Obse urface Wa ater Table aturation F	y ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) lation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No leposits (B3) (Nonrive oce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) livations: later Present? Yes Present? Yes apillary fringe)	erine) converine) erine) l Imagery (B	Salt Cr   Biotic (   Aquatic     Hydrog     Oxidizc     Preser     Recen     Thin M     Other (   No	ust (B11) Crust (B12) Crust (B	2) rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til ce (C7) n Remarks) ):	g Living C4) led Soils	Roots (C3)	Water Marks Sediment Deposits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Shallow Aquit FAC-Neutral	(B1) (Riverine) posits (B2) (Riverine) posits (B3) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2 pws (C8) sible on Aerial Interest (D3) Test (D5)	erine) ) ) magery (C
PROLOGN etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda Water eld Obse arrace Wa ater Table ater Table activation F accludes ca cribe Rec	y ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) lation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No leposits (B3) (Nonrive oce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) livations: later Present? Yes Present? Yes apillary fringe)	erine) conriverine) erine) I Imagery (B	Salt Cr   Biotic (   Aquatic     Hydrog     Oxidizc     Preser     Recen     Thin M     Other (   No	ust (B11) Crust (B12) Crust (B	2) rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til ce (C7) n Remarks) ):	g Living C4) led Soils	Roots (C3)	Water Marks Sediment Deposits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Shallow Aquit FAC-Neutral	(B1) (Riverine) posits (B2) (Riverine) posits (B3) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2 pws (C8) sible on Aerial Interest (D3) Test (D5)	erine) ) ) magery (C
PROLOGN etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda Water eld Obse arrace Wa ater Table ater Table activation F accludes ca cribe Rec	ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) prevations: ater Present? Yes present? Yes apillary fringe) orded Data (stream g	erine) conriverine) erine) I Imagery (B	Salt Cr   Biotic (   Aquatic     Hydrog     Oxidizc     Preser     Recen     Thin M     Other (   No	ust (B11) Crust (B12) Crust (B	2) rates (B13) e Odor (C1) pheres alor duced Iron ( uction in Til ce (C7) n Remarks) ):	g Living C4) led Soils	Roots (C3)	Water Marks Sediment Deposits Drift Deposits Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Shallow Aquit FAC-Neutral	(B1) (Riverine) posits (B2) (Riverine) posits (B3) (Riverine) (B3) (Riverine) terns (B10) Vater Table (C2 pws (C8) sible on Aerial Interest (D3) Test (D5)	erine) ) ) magery (C

Project/Site:	Wheatland Regiona	al Sewer		City/County	: Yuba Cour	nty			Sa	ampling Dat	te:	07/27/21
Applicant/Owner:	City of Wheatland						State:	CA	Sa	ampling Poi	int: DP	<sup>,</sup> 15
Investigator(s):	Daria Snider			Sectio	n, Township	, Range:	Unsecti	oned Tow	nship 1	I4 N, Range	e 5 E, M	IDB&M
Landform (hillslop	e, terrace, etc.):	Constructed bas	sin	Local re	elief (concav	e, convex,	none):	Concave			Slope (%	6): <u>0-1</u>
Subregion (LRR):	Mediterranean Cali	fornia (LRR C)	Lat:		39.0	0734831	Long:		-121	.4224506	Datı	um: <u>NAD 83</u>
Soil Map Unit Nan	ne: <u>141 - Conej</u>	o loam, 0 to 1 per	cent slopes, l	MLRA 17			NWI Clas	ssification:	None	е		
Are climatic / hydr	ologic conditions on	the site typical for	this time of y	ear?	Yes	Χ	No		(If no	o, explain in	Remar	ks.)
Are Vegetation	, Soil					Are "N	Iormal C	ircumstan	ces" pı	resent? \	Yes	<u>X</u> No
Are Vegetation	, Soil	, or Hydrology		naturally pr	oblematic?	(If need	ded, exp	lain any ar	nswers	in Remark	s.)	
SUMMARY OF	FINDINGS – A	ttach site map	showing	sampling	point loca	ntions, tr	ansec	ts, impo	rtant	features,	, etc.	
Hydrophytic Vege	tation Present?	Yes N	lo <b>X</b>									
Hydric Soil Preser	nt?	Yes N	lo X		ampled Are a Wetland?		Yes		No	X		
Wetland Hydrolog	y Present?	Yes N	lo X	"""	a weather.		•		_			
Remarks:		<u> </u>		· I								
ever inundated. N	n the deepest portion None of the three wet  - Use scientific	tland criteria are sa	atisfied within		npanan tree	s and shru	ios are p	oresent, in	ere is r	no evidence	; mat mi	s area nas
			Absolute	Dominant	Indicator	Dominar	nce Test	t workshe	et:			
Troo Stratum	(Plot size:	,	% Cover	Species?				nant Speci				
1.	(FIOT SIZE							ACW, or F			1	(A)
2.			-			Total Nur	mber of	Dominant				(,,
3.						Species				:	2	(B)
4.						Percent (	of Domin	nant Speci	96			` /
			0	=Total Cove	r			ACW, or F		50	0%	(A/B)
	Stratum (Plot size: _	)	<b>50</b>					x Worksh	eet:			
1. Salix exigua			50	X	FACW		al % Cov				ply by:	
2						OBL spe	-	0 50	_x1 =		0	<del></del>
3.				· <del></del>		FACW sp	-	50 0	x2 = _x3 =		00 0	
5.						FAC spe FACU sp	-	90	x3 - _x4 =		60	
J			50	=Total Cove		UPL spe	-	10	^- x5 =		50	
Herb Stratum	(Plot size: _1 mete	r <sup>2</sup> )		-10141 0000	1	Column 7	-	150	_(A)	-	10	(B)
Medicago po	-		80	Х	FACU		-	dex = B/A	_` ′	3.4		(=)
2. Festuca myu	•		10		FACU							
3. Hirschfeldia			10		UPL	Hydroph	ytic Ve	getation li	ndicate	ors:		
4.							Domina	nce Test i	s >50%	6		
5.							Prevale	nce Index	is ≤3.	0 <sup>1</sup>		
6.							Morpho	logical Ad	aptatio	ns¹ (Provid	e suppo	orting
7.										separate s		· ·
8.							Problen	natic Hydr	ophytic	Vegetation	1¹ (Expla	ain)
			100	=Total Cove	r							
Woody Vine St	ratum (Plot size:	)					,			nd hydrolog oblematic.	gy must	
2.			-			I le column so lo	4! -					
			-	=Total Cove	r	Hydroph Vegetati						
% Bare Ground	d in Herb Stratum	0	% Cover of I	Biotic Crust	0	Present			Yes		No	Х
Remarks:												<u></u>

Depth	Matrix			Redox Fea	tures					
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
-6"	10 YR 3/4	100					clay loam	refusal at 6"		
ype: C=C	oncentration, D=Depletion	ı, RM=Redu	uced Matrix, CS=	Covered or C	Coated Sand G	rains. <sup>2</sup> Lo	cation: PL=Pore	Lining, M=Matrix.		
ydric Soi	il Indicators: (Applica	ble to all	LRRs, unless	otherwise	noted.)		Indicators for I	Problematic Hyd	Iric Soils³:	
Histos	sol (A1)		Sand	y Redox (S	55)	_	1 cm Mucl	k (A9) ( <b>LRR C</b> )		
Histic	Epipedon (A2)		Strip	oed Matrix (	(S6)	_	2 cm Mucl	k (A10) ( <b>LRR B</b> )		
Black	Histic (A3)		Loan	ny Mucky M	lineral (F1)	_	Reduced \	Vertic (F18)		
Hydro	ogen Sulfide (A4)		Loan	ny Gleyed N	//atrix (F2)	_	Red Parer	nt Material (TF2)		
Strati	fied Layers (A5) ( <b>LRR</b> (	C)	Deple	eted Matrix	(F3)	_	Other (Exp	olain in Remarks)	)	
1 cm	Muck (A9) ( <b>LRR D</b> )		Redo	x Dark Sur	face (F6)					
Deple	eted Below Dark Surfac	e (A11)	Deple	eted Dark S	Surface (F7)					
Thick	Dark Surface (A12)		Redo	x Depressi	ons (F8)		<sup>3</sup> Indic	ators of hydrophy	tic vegetation	and
Sand	y Mucky Mineral (S1)		Vern	al Pools (F9	9)			tland hydrology n		
Sand	y Gleyed Matrix (S4)						u	nless disturbed o	r problematic.	
aetrictive	E Layer (if present):									
CSUICUV	E Layer (ii present).									
	e Layer (ii present).									
ype: epth (inch						Hydr	ic Soil Present	? Y	es	No
ype: Depth (inch	nes):		_			Hydr	ic Soil Present	? Y	es	No
Type: Depth (inch marks: hydric soi	nes):I indicators observed.					Hydr	ic Soil Present	? Y	es	No
ype:epth (inch marks: hydric soi	nes):  I indicators observed.  Y  lydrology Indicators:					Hydr				
ype: lepth (inch narks: hydric soi DROLOG Vetland H	nes):  I indicators observed.  Y  Iydrology Indicators: dicators (minimum of or	ne required				Hydr		ondary Indicators	(2 or more re	
ype: epth (inch narks: hydric soi DROLOG /etland H rimary Inc Surfa	Y lydrology Indicators: dicators (minimum of or ce Water (A1)	ne required	Salt (	Crust (B11)		Hydr		ondary Indicators Water Marks (B	(2 or more re	quired)
ype: pepth (inch narks: hydric soi DROLOG Vetland H rimary Inc Surfa High	Y   Variable (Ma)	ne required	Salt (	Crust (B11) Crust (B12	2)	Hydr		ondary Indicators Water Marks (B Sediment Depo:	(2 or more re 1) ( <b>Riverine</b> ) sits (B2) ( <b>Rive</b>	quired)
ype:epth (inches) narks: hydric soi  DROLOG /etland H rimary InchesSurfaHighSatur	Y Indicators observed.  Y Indicators observed.  Y Indicators (minimum of or	·	Salt ( Biotic	Crust (B11) Crust (B12 tic Inverteb	2) orates (B13)	Hydr		ondary Indicators Water Marks (B Sediment Depo	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine)	quired)
ype:epth (inch narks: hydric soi DROLOG /etland H rimary Inc Surfa High Satur Wate	y  y  y  y  y  y  y  y  y  y  y  y  y	rine)	Salt ( Biotic Aqua	Crust (B11) Crust (B12) tic Invertebogen Sulfid	2) orates (B13) e Odor (C1)		Seco	ondary Indicators Water Marks (B Sediment Depo Drift Deposits (E Drainage Patter	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10)	quired)
ype:epth (incherent final	y lydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivernent Deposits (B2) (No	ine) nriverine)	Salt ( Biotic Aqua Hydr Oxidi	Crust (B11) Crust (B12) tic Inverteb ogen Sulfid zed Rhizos	2) orates (B13) e Odor (C1) opheres along	Living Ro	Seco	ondary Indicators Water Marks (B Sediment Depo Drift Deposits (E Drainage Patter Dry-Season Wa	(2 or more re 1) ( <b>Riverine</b> ) sits (B2) ( <b>Rive</b> 33) ( <b>Riverine</b> ) ns (B10) ter Table (C2)	quired)
ype:	y (value (A2) ation (A3) r Marks (B1) (Nonriver nent Deposits (B3) (Nonriv	ine) nriverine)	Salt ( Biotic Aqua Hydr Oxidi	Crust (B11) c Crust (B12) tic Inverteb ogen Sulfid zed Rhizos ence of Rec	2) orates (B13) e Odor (C1) opheres along duced Iron (C	Living Ro	Seco	ondary Indicators Water Marks (B Sediment Depo: Drift Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2)	quired)
ype: lepth (incl marks: hydric soi DROLOG Vetland H trimary Inc Surfa High ' Satur Wate Sedin Drift I Surfa	y  I indicators observed.  Y  Indicators observed.  Y  Indicators (minimum of or	ine) nriverine) rine)	Salt ( Biotic Aqua Hydr Oxidi Press	Crust (B11) Crust (B12) Crust	2) orates (B13) e Odor (C1) opheres along duced Iron (C duction in Tille	Living Ro	Seco	ondary Indicators Water Marks (B Sediment Depo: Drift Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) s (C8) le on Aerial Im	quired)
pype:	y  I indicators observed.  Y  Indicators observed.  Y  Indicators (minimum of or	ine) nriverine) rine)	Salt (   Biotic   Aqua   Hydro   Oxidi   Preso   Reces   S7)   Thin	Crust (B11) c Crust (B12 tic Inverteb ogen Sulfid zed Rhizos ence of Rec ont Iron Red Muck Surfa	2) prates (B13) e Odor (C1) spheres along duced Iron (C duction in Tille ace (C7)	Living Ro	Seco	ondary Indicators Water Marks (B Sediment Depo: Drift Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) s (C8) le on Aerial Im d (D3)	quired)
pype:	y  lydrology Indicators: dicators (minimum of orce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3)) (Nonrive ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9)	ine) nriverine) rine)	Salt (   Biotic   Aqua   Hydro   Oxidi   Preso   Reces   S7)   Thin	Crust (B11) c Crust (B12 tic Inverteb ogen Sulfid zed Rhizos ence of Rec ont Iron Red Muck Surfa	2) orates (B13) e Odor (C1) opheres along duced Iron (C duction in Tille	Living Ro	Seco	ondary Indicators Water Marks (B Sediment Depo: Drift Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) s (C8) le on Aerial Im d (D3)	quired)
DROLOG Wetland H Hrimary Inc Satur Wate Sedin Drift I Surfa Inund Wate Wate	y  Indicators observed.  I indicators observed.  I ydrology Indicators:  dicators (minimum of or	rine) nriverine) rine) Imagery (E	Salt (   Biotic   Aqua   Hydri   Oxidi   Presc   Reces   Thin   Othe	Crust (B11) c Crust (B12) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Red Muck Surfa r (Explain ir	2) prates (B13) e Odor (C1) pheres along duced Iron (C duction in Tille ace (C7) n Remarks)	Living Ro	Seco	ondary Indicators Water Marks (B Sediment Depo: Drift Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) s (C8) le on Aerial Im d (D3)	quired)
DROLOG Wetland H Primary Inc Surfa High Satur Sedin Drift I Surfa Inund Wate Gurface W.	y  Indicators observed.  Indicators observed.  Indicators observed.  Indicators (minimum of or	rine) nriverine) rine) Imagery (E	Salt (   Biotic   Aqua   Hydri   Oxidi   Presc   Reces   Thin   Othe   No   X   De	Crust (B11) c Crust (B12) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Red Muck Surfa r (Explain ir	2) prates (B13) e Odor (C1) pheres along duced Iron (C duction in Tille ace (C7) n Remarks)	Living Ro	Seco	ondary Indicators Water Marks (B Sediment Depo: Drift Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) s (C8) le on Aerial Im d (D3)	quired)
DROLOG Wetland H Primary Inc Surfa High Satur Vate Sedin Inund Under Surfa Surfa Surfa Surfa Vate Surfa Vate Vate Vater Table	y  I indicators observed.  Y  Iydrology Indicators: dicators (minimum of or	rine) nriverine) rine) Imagery (E	Salt (   Biotic   Aqua   Hydri   Oxidi   Presc   Reces   Thin   Othe   No   X   De   No   X   De	Crust (B11) c Crust (B12) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Red Muck Surfa r (Explain ir  pth (inches	2) prates (B13) e Odor (C1) pheres along duced Iron (C duction in Tille ace (C7) n Remarks) s):	Living Ro 4) d Soils (C	Seco	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) rs (C8) le on Aerial Im d (D3) st (D5)	quired) erine)
DROLOG Vetland H rimary Inc Surfa High Satur Wate Sedin Inund Inund Wate Siurface W Vater Tabliaturation	y  I indicators observed.  Y  Iydrology Indicators: dicators (minimum of or	rine) nriverine) rine) Imagery (E	Salt (   Biotic   Aqua   Hydri   Oxidi   Presc   Reces   Thin   Othe   No   X   De   No   X   De	Crust (B11) c Crust (B12) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Red Muck Surfa r (Explain ir	2) prates (B13) e Odor (C1) pheres along duced Iron (C duction in Tille ace (C7) n Remarks) s):	Living Ro 4) d Soils (C	Seco	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) s (C8) le on Aerial Im d (D3)	quired)
DROLOG Wetland H Primary Inc Surfa High Satur Surfa Inund Wate Sedin Wate Sedin Surfa Surf	y  lydrology Indicators: dicators (minimum of orce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Norrive ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes apillary fringe)	ine) nriverine) rine) Imagery (E	Salt (   Biotic   Aqua   Hydro   Oxidic   Presc   Reces   37)	Crust (B11) c Crust (B12) c Cr	2) prates (B13) e Odor (C1) spheres along duced Iron (C duction in Tille ace (C7) n Remarks) s):	Living Ro 4) d Soils (C		ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) rs (C8) le on Aerial Im d (D3) st (D5)	quired) erine)
Depth (incl marks: hydric soi  DROLOG Vetland H Primary Inc Surfa High Satur Wate Sedin Drift I Surfa Inund Wate Surface W: Vater Table Saturation includes coscribe Rec	y  I indicators observed.  Y  Iydrology Indicators: dicators (minimum of or	ine) nriverine) rine) Imagery (E	Salt (   Biotic   Aqua   Hydro   Oxidic   Presc   Reces   37)	Crust (B11) c Crust (B12) c Cr	2) prates (B13) e Odor (C1) spheres along duced Iron (C duction in Tille ace (C7) n Remarks) s):	Living Ro 4) d Soils (C		ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) rs (C8) le on Aerial Im d (D3) st (D5)	quired) erine)
Depth (incl marks: hydric soi  DROLOG Wetland H Primary Inc Surfa High Satur Wate Sedin Inund Wate Field Obse Surface W Water Tabl Saturation includes c	y  lydrology Indicators: dicators (minimum of orce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Norrive ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes apillary fringe)	ine) nriverine) rine) Imagery (E	Salt (   Biotic   Aqua   Hydro   Oxidic   Presc   Reces   37)	Crust (B11) c Crust (B12) c Cr	2) prates (B13) e Odor (C1) spheres along duced Iron (C duction in Tille ace (C7) n Remarks) s):	Living Ro 4) d Soils (C		ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) rs (C8) le on Aerial Im d (D3) st (D5)	quired) erine)
DROLOG Vetland H Primary Inc Surfa High Satur Wate Sedin Drift I Surfa Inund Wate Field Obse Surface W Vater Table Saturation includes c scribe Rec	y  lydrology Indicators: dicators (minimum of orce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Norrive ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes apillary fringe)	rine) nriverine) Imagery (E	Salt (   Biotic   Aqua   Hydro   Oxidic   Presc   Reces   37)	Crust (B11) c Crust (B12) c Cr	2) prates (B13) e Odor (C1) spheres along duced Iron (C duction in Tille ace (C7) n Remarks) s):	Living Ro 4) d Soils (C		ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more re 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10) ter Table (C2) rs (C8) le on Aerial Im d (D3) st (D5)	quired) erine)

	Wheatla	nd Regiona	Sewei			City/County:	: Yuba Coun	ıty	Sam	npling Date:	06/30/2
Applicant/Owner:	City of W	√heatland						State: CA	A Sam	npling Point:	DP 16
Investigator(s):	Matt Sha	affer				Section	n, Township	, Range: <u>Unsection</u>	ed Township 14	N, Range 5 I	E, MDB&M
_andform (hillslop	e, terrace	, etc.):	Rolling	hills		Local re	elief (concav	ve, convex, none): Co	oncave	Slop	e (%):
Subregion (LRR):	Mediterr	anean Califo	ornia (LR	RC)	Lat:		39.0	2261576 Long:	-121.4	018579	Datum: NAD 83
Soil Map Unit Nan	ne: <u>2</u>	:08 - Reddin	ng gravel	ly loam,	0 to 8 percer	nt slopes, ML	_RA 17	NWI Classi	ification: None		
Are climatic / hydr	ologic cor	nditions on t	he site ty	pical for	this time of	year?	Yes_	X No	(If no, e	explain in Rei	marks.)
Are Vegetation	,	Soil	_ , or Hyd	drology		significantly	/ disturbed?	Are "Normal Circ	umstances" pres	ent? Yes	XNo
Are Vegetation	,	Soil	_ , or Hyd	drology		naturally pr	oblematic?	(If needed, explain	n any answers in	Remarks.)	
SUMMARY OF	FINDIN	IGS - Att	tach si	te map	showing	sampling	point loca	ations, transects,	, important fe	atures, et	c.
Hydrophytic Vege	tation Pre	sent?	Yes	X N	lo	lo the S	ampled Area				
Hydric Soil Preser	nt?		Yes	<b>X</b> N	lo		a Wetland?	YAS	No		=
Wetland Hydrolog	y Present	i?	Yes	<b>X</b> N	lo	_					
Remarks:											
Vernal pool within			names	of pla							
					A b a a luita	Damainant	lu dia atau	Dominance Test w	vorkshoot:		
					Absolute % Cover	Dominant Species?					
Tree Stratum	(Plot size	:		)				Number of Dominar That Are OBL, FAC			(4)
1								·	_	2	(A)
2								Total Number of Do Species Across All		•	(D)
B						- ———	. ———	·	_	2	(B)
l					0	=Total Cove		Percent of Dominar That Are OBL, FAC		100%	(A/D)
						_ Total Cove	71	That Are Obc, I AC	-w, or r Ac.	100 /6	(A/B)
Sapling/Shrub	Stratum (	Plot size		)			ŀ	Prevalence Index \	Worksheet:		
<u>оаршія, отпав</u> І.	oudiani (	. 101 0.20						Total % Cover		Multiply b	ov:
2.							. ———	OBL species	80 x1 =	80	<u>,,                                    </u>
 3.			-					FACW species	0 x2 =	0	
						- ———	. ———	FAC species	15 x3 =	45	
						•	. ——	FACU species	0 x4 =	0	
					0	=Total Cove	÷r	UPL species	<b>0</b> x5 =	0	
	(Plot size	∷ _1 meter	²)		0	=Total Cove	er .	UPL species Column Totals:	0 x5 =	0 125	(B)
Herb Stratum		∷ _1 meter	²)		0 60	=Total Cove	OBL	· —	95 (A)		(B)
Herb Stratum  Glyceria dec	linata		<sup>2</sup> )		-	-		Column Totals:	95 (A)	125	(B)
Herb Stratum Glyceria dec	linata nacrosta		2)		60	X	OBL	Column Totals:	95 x = B/A =	125	(B)
Herb Stratum Glyceria dec	elinata nacrosta ennis		2)		60	X	OBL OBL	Column Totals:  Prevalence Index	95 (A) x = B/A =	125	(B)
Herb Stratum Glyceria dec Eleocharis n Festuca pere	clinata nacrosta ennis arinum		2)		60 20 10	X	OBL OBL FAC	Column Totals: Prevalence Index  Hydrophytic Veget X Dominance	95 (A) x = B/A =	125	(B)
Herb Stratum Glyceria dec Eleocharis n Festuca pere Hordeum ma	clinata nacrosta ennis arinum		2)		60 20 10 5	X	OBL OBL FAC FAC	Column Totals: Prevalence Index  Hydrophytic Veget  X Dominanc X Prevalence	95 (A) x = B/A = tation Indicators the Test is >50%	125 1.3 s:	
Herb Stratum Glyceria dec Eleocharis n Festuca pere Hordeum ma	clinata nacrosta ennis arinum		2)		60 20 10 5	X	OBL OBL FAC FAC	Column Totals: Prevalence Index  Hydrophytic Veget  X Dominanc  X Prevalenc  Morpholog data in Re	x = B/A =  tation Indicators the Test is >50% the Index is ≤3.0¹ gical Adaptations the Adaptation of	125 1.3 s: s¹ (Provide sueparate shee	upporting
Herb Stratum Glyceria dec Eleocharis n Festuca pero Hordeum ma	clinata nacrosta ennis arinum		2)		60 20 10 5 T	X	OBL OBL FAC FAC	Column Totals: Prevalence Index  Hydrophytic Veget  X Dominanc  X Prevalenc  Morpholog data in Re	y = B/A = (A)  tation Indicators the Test is >50% the Index is ≤3.01 gical Adaptations	125 1.3 s: s¹ (Provide sueparate shee	upporting
Herb Stratum Glyceria dec Eleocharis n Festuca pero Hordeum ma	clinata nacrosta ennis arinum		2)		60 20 10 5	X	OBL OBL FAC FAC FACU	Column Totals: Prevalence Index  Hydrophytic Veget  X Dominanc  X Prevalenc  Morpholog data in Re	x = B/A =  tation Indicators the Test is >50% the Index is ≤3.0¹ gical Adaptations the Adaptation of	125 1.3 s: s¹ (Provide sueparate shee	upporting
Herb Stratum Glyceria dec Eleocharis n Festuca pere Hordeum ma Centromadia	elinata nacrosta ennis arinum a fitchii	achya			60 20 10 5 T	X X	OBL OBL FAC FAC FACU	Column Totals: Prevalence Index  Hydrophytic Veget  X Dominanc  X Prevalenc  Morpholog data in Re Problemat	y = B/A = A   A   A   A   A   A   A   A   A	125 1.3 s:  1 (Provide superarte shee regetation (E	ipporting t) Explain)
Herb Stratum  Glyceria dec  Eleocharis n  Festuca pere  Hordeum ma  Centromadia  Woody Vine St	elinata nacrosta ennis arinum a fitchii	achya			60 20 10 5 T	X X	OBL OBL FAC FAC FACU	Column Totals: Prevalence Index  Hydrophytic Veget X Dominanc X Prevalenc Morpholog data in Re Problemat	y = B/A = A   A   A   A   A   A   A   A   A	125 1.3 s:  1 (Provide superarte shee regetation (E	ipporting t) Explain)
Herb Stratum  Glyceria dec  Eleocharis n  Festuca pere  Hordeum ma  Centromadia  Woody Vine St	elinata nacrosta ennis arinum a fitchii	achya			60 20 10 5 T	X X =Total Cove	OBL OBL FAC FAC FACU	Column Totals: Prevalence Index  Hydrophytic Veget  X Dominanc  X Prevalenc  Morpholog data in Re Problemat	y = B/A = A   A   A   A   A   A   A   A   A	125 1.3 s:  1 (Provide superarte shee regetation (E	ipporting t) Explain)
Herb Stratum  Glyceria dec  Eleocharis n  Festuca pere  Hordeum ma  Centromadia  Woody Vine St	elinata nacrosta ennis arinum a fitchii	lot size:			60 20 10 5 T	X X =Total Cove	OBL OBL FAC FACU FACU	Column Totals: Prevalence Index  Hydrophytic Veget X Dominanc X Prevalence Morpholog data in Re Problemat  Indicators of hydric be present, unless of Hydrophytic Vegetation	ys = B/A = (A)  tation Indicators the Test is >50% the Index is ≤3.0¹ gical Adaptations the Hydrophytic V the soil and wetland disturbed or prob	125 1.3 s: s¹ (Provide su eparate shee vegetation¹ (E	upporting t) Explain) nust
Glyceria dec.     Eleocharis n     Festuca pere     Hordeum ma     Centromadia     S.	elinata nacrosta ennis arinum a fitchii	lot size:			60 20 10 5 T	X X =Total Cove	OBL OBL FAC FACU FACU	Column Totals: Prevalence Index  Hydrophytic Veget X Dominanc X Prevalenc  Morpholog data in Re Problemat  Indicators of hydric be present, unless of	y = B/A = A   A   A   A   A   A   A   A   A	125 1.3 s:  1 (Provide superarte shee regetation (E	upporting t) Explain) nust

epth	Matrix		F	Redox Feat	ıres		_				
nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textur	re	R	emarks	
·6"	10 YR 3/2	80	7.5 YR 4/6	20	С	M, PL	clay loam				
ype: C=C	oncentration, D=Depletion	n, RM=Redu	ced Matrix, CS=C	overed or Co	oated Sand	Grains.	<sup>2</sup> Location: PL=	Pore Lining,	M=Matrix.		
vdric Sci	I Indicators: (Applie	able to all	DDs unloss o	thorwise r	otod )		Indicator	e for Proble	ematic Hydric S	coile <sup>3</sup>	
	I Indicators: (Applications)	able to all							=	ouis .	
_	sol (A1)			Redox (S5	•			n Muck (A9)			
_ Histic	Epipedon (A2)		Stripp	ed Matrix (S	56)		2 cm	n Muck (A10	)) (LRR B)		
Black	Histic (A3)		Loam	y Mucky Mi	neral (F1)		Red	uced Vertic	(F18)		
Hydro	gen Sulfide (A4)		Loam	y Gleyed M	atrix (F2)		Red	Parent Mat	erial (TF2)		
	fied Layers (A5) (LRR	C)		ted Matrix (				er (Explain i			
_	Muck (A9) ( <b>LRR D</b> )	•		C Dark Surfa	-				,		
	ted Below Dark Surface	ce (Δ11)		ted Dark Su		'\					
_		CE (ATT)			•	,					
	Dark Surface (A12)			Depressio					of hydrophytic v		
	y Mucky Mineral (S1)		Verna	l Pools (F9	)				nydrology must l		
Sand	y Gleyed Matrix (S4)							unless	disturbed or pro	blematic.	
estrictive	Layer (if present):										
уре:											
De.											
	10c).		<del></del>				uduia Cail Du		Voc	Y N	
epth (inch	nes):		<u> </u>			H	ydric Soil Pr	esent?	Yes_	X No	<u> </u>
epth (inch	nes):		<del></del>			н	ydric Soil Pr	resent?	Yes_	X No	<u> </u>
epth (inch narks:	Y					H	ydric Soil Pr	esent?	Yes_	X No	D
oronarks:	Y ydrology Indicators:	ano require	tropock all that	annivi		н	ydric Soil Pr				
epth (inch narks: DROLOG retland H	Y ydrology Indicators: licators (minimum of c	one required				H	ydric Soil Pr	Secondary	/ Indicators (2 o	r more require	
PROLOG etland H rimary Inc	Y ydrology Indicators: licators (minimum of c ce Water (A1)	one required	Salt C	rust (B11)		H	ydric Soil Pr	Secondary Wate	/ Indicators (2 or er Marks (B1) ( <b>R</b>	r more require	ed)
PROLOG detland H rimary Inc Surfar High \	Y ydrology Indicators: licators (minimum of coce Water (A1) Water Table (A2)	one required	X Biotic	rust (B11) Crust (B12			ydric Soil Pr	Secondary Wate	/ Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I	r more require iverine) B2) (Riverine	ed)
PROLOG  Surfar  High N	Y ydrology Indicators: licators (minimum of c ce Water (A1)	one required	X Biotic Aquat	rust (B11) Crust (B12 ic Invertebr	ates (B13	)	ydric Soil Pr	Secondary Wate Sedii Drift	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b>	r more require liverine) B2) (Riverine Riverine)	ed)
oROLOG (etland H mary Inc Surfar High \ Satur	Y ydrology Indicators: licators (minimum of coce Water (A1) Water Table (A2)	·	X Biotic Aquat	rust (B11) Crust (B12	ates (B13	)	ydric Soil Pr	Secondary Wate Sedii Drift	/ Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I	r more require liverine) B2) (Riverine Riverine)	ed)
DROLOG etland H imary Inc Surfar High Saturi	y ydrology Indicators: licators (minimum of o ce Water (A1) Water Table (A2) ation (A3)	rine)	Salt C X Biotic Aquat Hydro	rust (B11) Crust (B12 ic Invertebr gen Sulfide	ates (B13 Odor (C1	)	ydric Soil Pr	Secondary Wate Sedii Drift Drair	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b>	r more require liverine) B2) (Riverine Riverine) 310)	ed)
PROLOGE  Tetland H  Timary Inc  Surfac  High N  Saturac  Watee  Sedin	ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	rine) onriverine)	X Biotic Aquat Hydro X Oxidiz	rust (B11) Crust (B12 ic Invertebr gen Sulfide	ates (B13 Odor (C1 heres alo	) ) ) ng Living		Secondary Wate Sedii Drift Drair	y Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water T	r more require liverine) B2) (Riverine Riverine) 310) able (C2)	ed)
DROLOG  Tetland H  Surfac  High N  Saturac  Watee  Sedin  Drift I	yydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive nent Deposits (B2) (No	rine) onriverine)	X Biotic Aquat Hydro X Oxidiz Prese	rust (B11) Crust (B12) ic Invertebr gen Sulfide ed Rhizosp nce of Red	ates (B13 Odor (C1 oheres alo uced Iron	) ) ng Living (C4)	g Roots (C3)	Secondary Wate Sedin Drift Drair Dry-5 Cray	y Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water T	r more require iverine) B2) (Riverine Riverine) 310) able (C2)	
DROLOG  Vetland H  Surfac  Saturac  Watee  Sedin  Drift C  Surfac  Surfac	yydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive nent Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6)	rine) onriverine) erine)	Salt C  X Biotic  Aquat  Hydro  X Oxidiz  Prese  Recer	rust (B11) Crust (B12) ic Invertebr gen Sulfide ed Rhizosp nce of Redi	ates (B13 Odor (C1 oheres alo uced Iron uction in T	) ) ng Living (C4)	g Roots (C3)	Secondary Wate Sedii Drift Drair Dry-5 Cray Satu	v Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> lage Patterns (B Season Water Tatish Burrows (CE tration Visible on	r more require liverine) B2) (Riverine Riverine) B10) able (C2) B) Aerial Image	ed)
DROLOG  Vetland H Surfac  Surfac  Water  Sedin  Drift C Surfac  Inund	yydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive nent Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial	rine) onriverine) erine) Imagery (B	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Recer   Thin M	rust (B11) Crust (B12) ic Invertebr gen Sulfide ed Rhizosp nce of Redi t Iron Redu fuck Surface	ates (B13 Odor (C1 oheres alo uced Iron uction in T	) ) ng Living (C4) illed Soil:	g Roots (C3)	Secondary Wate Sedii Drift Drair Cray Satu Shall	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Ta fish Burrows (C8 ration Visible on ow Aquitard (D3	r more require iverine) B2) (Riverine Riverine) B10) able (C2) B3) Aerial Image	
DROLOG Vetland H rimary Inc Surfar High \ Sedin Drift [ Surfar L Vater Sedin Urift [ Vater Inund Water	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9)	rine) onriverine) erine) Imagery (B	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Recer   Thin M	rust (B11) Crust (B12) ic Invertebr gen Sulfide ed Rhizosp nce of Redi	ates (B13 Odor (C1 oheres alo uced Iron uction in T	) ) ng Living (C4) illed Soil:	g Roots (C3)	Secondary Wate Sedii Drift Drair Dry-5 Cray Satu Shall	v Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> lage Patterns (B Season Water Tatish Burrows (CE tration Visible on	r more require iverine) B2) (Riverine Riverine) B10) able (C2) B3) Aerial Image	ed)
OROLOG Vetland H rimary Inc Satura ( Water Drift [	yydrology Indicators: dicators (minimum of occe Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9)	rine) onriverine) erine) Imagery (E	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Thin M   Other	rust (B11) Crust (B12) ic Invertebr gen Sulfide led Rhizosp nce of Red at Iron Redu fluck Surfac (Explain in	ates (B13 Odor (C1 oheres alo uced Iron action in T ce (C7) Remarks	) ) ng Living (C4) illed Soil:	g Roots (C3)	Secondary Wate Sedii Drift Drair Dry-5 Cray Satu Shall	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Ta fish Burrows (C8 ration Visible on ow Aquitard (D3	r more require liverine) B2) (Riverine Riverine) B10) able (C2) B3) Aerial Image	ed)
OROLOG  Vetland H rimary Inc Surfar High Sedin Drift [ Surfar Hund Water Water Gled Observated Water Water Gled Observated Water	yydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present?	rine) ponriverine) erine) Imagery (B	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Thin M   Other	rust (B11) Crust (B12) ic Invertebr gen Sulfide ed Rhizosp nce of Redi t Iron Redu fuck Surface	ates (B13 Odor (C1 oheres alo uced Iron action in T ce (C7) Remarks	) ) ng Living (C4) illed Soil:	g Roots (C3)	Secondary Wate Sedii Drift Drair Dry-5 Cray Satu Shall	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Ta fish Burrows (C8 ration Visible on ow Aquitard (D3	r more require liverine) B2) (Riverine Riverine) B10) able (C2) B3) Aerial Image	ed)
DROLOG Vetland H rimary Inc Surfar High V Sedin Drift I C Surfar Inund Water ield Obse urface Wa Vater Tabl	yydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present?	rine) ponriverine) erine) Imagery (E	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Thin M   Other   No   X   Dep   No   X   D	rust (B11) Crust (B12) ic Invertebr gen Sulfide led Rhizosp nce of Redi at Iron Redu fluck Surfac (Explain in bth (inches)	ates (B13 Odor (C1 oheres alo uced Iron uction in T ce (C7) Remarks	) ) ng Living (C4) illed Soil:	g Roots (C3) s (C6)	Secondary Wate Sedii Drift Drair Cray Satu Shall	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Tation Water Tation Visible on ow Aquitard (D3 Neutral Test (Da	r more require riverine) B2) (Riverine) B10) able (C2) B3) Aerial Image B3)	od)
DROLOG Vetland H rimary Inc Surfar High V Sedin Drift I Surfar Inund Water ield Obse urface Wa vater Tabl aturation	yydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes	rine) ponriverine) erine) Imagery (E	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Thin M   Other   No   X   Dep   No   X   D	rust (B11) Crust (B12) ic Invertebr gen Sulfide ted Rhizosp nce of Red at Iron Redu fluck Surfac (Explain in	ates (B13 Odor (C1 oheres alo uced Iron uction in T ce (C7) Remarks	) ) ng Living (C4) illed Soil:	g Roots (C3) s (C6)	Secondary Wate Sedii Drift Drair Dry-5 Cray Satu Shall	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Tation Water Tation Visible on ow Aquitard (D3 Neutral Test (Da	r more require liverine) B2) (Riverine Riverine) B10) able (C2) B3) Aerial Image	od)
DROLOG Vetland H rimary Inc Satura C Sedin Drift E Sedin Inund Water Vetled Obse urface Water Table aturation nocludes c	y ydrology Indicators: dicators (minimum of of open water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes apillary fringe)	rine) ponriverine) erine) Imagery (B	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Thin M   Other   No   X   Deg   No   X   D	rust (B11) Crust (B12) ic Invertebr gen Sulfide red Rhizosp nce of Red nt Iron Redu fluck Surfac (Explain in bth (inches) oth (inches)	ates (B13 Odor (C1 Od	) ) ng Living (C4) illed Soil:	g Roots (C3) s (C6) Wetland H	Secondary Wate Sedii Drift Drair Cray Satu Shall X FAC	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Tation Water Tation Visible on ow Aquitard (D3 Neutral Test (Da	r more require riverine) B2) (Riverine) B10) able (C2) B3) Aerial Image B3)	od)
DROLOG Vetland H rimary Inc Satura C Sedin Drift E Sedin Inund Water Vetled Obse urface Water Table aturation nocludes c	yydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes	rine) ponriverine) erine) Imagery (B	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Thin M   Other   No   X   Deg   No   X   D	rust (B11) Crust (B12) ic Invertebr gen Sulfide red Rhizosp nce of Red nt Iron Redu fluck Surfac (Explain in bth (inches) oth (inches)	ates (B13 Odor (C1 Od	) ) ng Living (C4) illed Soil:	g Roots (C3) s (C6) Wetland H	Secondary Wate Sedii Drift Drair Cray Satu Shall X FAC	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Tation Water Tation Visible on ow Aquitard (D3 Neutral Test (Da	r more require riverine) B2) (Riverine) B10) able (C2) B3) Aerial Image B3)	od)
DROLOG  Vetland H  rimary Inc  Surfac  High V  Sedin  Drift I  Surfac  Inund  Water  Vater Tabla  atturation  ncludes c.  cribe Rec	y ydrology Indicators: dicators (minimum of of open water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes apillary fringe)	rine) ponriverine) erine) Imagery (B	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Thin M   Other   No   X   Deg   No   X   D	rust (B11) Crust (B12) ic Invertebr gen Sulfide red Rhizosp nce of Red nt Iron Redu fluck Surfac (Explain in bth (inches) oth (inches)	ates (B13 Odor (C1 Od	) ) ng Living (C4) illed Soil:	g Roots (C3) s (C6) Wetland H	Secondary Wate Sedii Drift Drair Cray Satu Shall X FAC	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Tation Water Tation Visible on ow Aquitard (D3 Neutral Test (Da	r more require riverine) B2) (Riverine) B10) able (C2) B3) Aerial Image B3)	od)
DROLOG Vetland H rimary Inc Satura C Sedin Drift E Sedin Inund Water Vetled Obse urface Water Table aturation nocludes c	y ydrology Indicators: dicators (minimum of of open water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes apillary fringe)	rine) ponriverine) erine) Imagery (B	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Thin M   Other   No   X   Deg   No   X   D	rust (B11) Crust (B12) ic Invertebr gen Sulfide red Rhizosp nce of Red nt Iron Redu fluck Surfac (Explain in bth (inches) oth (inches)	ates (B13 Odor (C1 Od	) ) ng Living (C4) illed Soil:	g Roots (C3) s (C6) Wetland H	Secondary Wate Sedii Drift Drair Cray Satu Shall X FAC	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Tation Water Tation Visible on ow Aquitard (D3 Neutral Test (Da	r more require riverine) B2) (Riverine) B10) able (C2) B3) Aerial Image B3)	od)
DROLOG  Vetland H  rimary Inc  Surfac  High V  Sedin  Drift I  Surfac  Inund  Water  Vater Tabla  atturation  ncludes c.  cribe Rec	y ydrology Indicators: dicators (minimum of of open water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes apillary fringe)	rine) ponriverine) erine) Imagery (B	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Thin M   Other   No   X   Deg   No   X   D	rust (B11) Crust (B12) ic Invertebr gen Sulfide red Rhizosp nce of Red nt Iron Redu fluck Surfac (Explain in bth (inches) oth (inches)	ates (B13 Odor (C1 Od	) ) ng Living (C4) illed Soil:	g Roots (C3) s (C6) Wetland H	Secondary Wate Sedii Drift Drair Cray Satu Shall X FAC	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Tation Water Tation Visible on ow Aquitard (D3 Neutral Test (Da	r more require riverine) B2) (Riverine) B10) able (C2) B3) Aerial Image B3)	od)
DROLOG  Vetland H  rimary Inc  Surfac  High V  Sedin  Drift I  Surfac  Inund  Water  Vater Tabla  atturation  ncludes c.  cribe Rec	y ydrology Indicators: dicators (minimum of of open water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes apillary fringe)	rine) ponriverine) erine) Imagery (B	Salt C   X   Biotic   Aquat   Hydro   X   Oxidiz   Prese   Recer   Thin M   Other   No   X   Deg   No   X   D	rust (B11) Crust (B12) ic Invertebr gen Sulfide red Rhizosp nce of Red nt Iron Redu fluck Surfac (Explain in bth (inches) oth (inches)	ates (B13 Odor (C1 Od	) ) ng Living (C4) illed Soil:	g Roots (C3) s (C6) Wetland H	Secondary Wate Sedii Drift Drair Cray Satu Shall X FAC	r Indicators (2 or er Marks (B1) ( <b>R</b> ment Deposits (I Deposits (B3) ( <b>F</b> nage Patterns (B Season Water Tation Water Tation Visible on ow Aquitard (D3 Neutral Test (Da	r more require riverine) B2) (Riverine) B10) able (C2) B3) Aerial Image B3)	od)

Project/Site: Wheatland Regional Sewer		City/County: Yuba Cour	ity	Sampling Da	ate: 06/30/21
Applicant/Owner: City of Wheatland			State: CA	Sampling Po	oint: DP 17
Investigator(s): Matt Shaffer		Section, Township	o, Range: <u>Unsectioned Tov</u>	wnship 14 N, Ranç	ge 5 E, MDB&M
Landform (hillslope, terrace, etc.): Rolling hi	lls	Local relief (concav	ve, convex, none): None		Slope (%): 0-1
Subregion (LRR): Mediterranean California (LRR	C) Lat:	39.0	2267676 Long:	-121.401912	Datum: NAD 83
Soil Map Unit Name: 208 - Redding gravelly	loam, 0 to 8 percent	slopes, MLRA 17	NWI Classification	n: None	
Are climatic / hydrologic conditions on the site typi	cal for this time of ye	ear? Yes	X No	(If no, explain i	n Remarks.)
Are Vegetation, Soil, or Hydro	ology	significantly disturbed?	Are "Normal Circumsta	nces" present?	Yes X No
Are Vegetation , Soil , or Hydro		naturally problematic?	(If needed, explain any a	answers in Remar	ks.)
SUMMARY OF FINDINGS - Attach site	map showing s	ampling point loca	ations, transects, imp	ortant features	s, etc.
Hydrophytic Vegetation Present? Yes	No X				
Hydric Soil Present? Yes		Is the Sampled Are within a Wetland?		No X	
Wetland Hydrology Present? Yes	No X	within a wetiand?			
Remarks:					
remand.					
Upland comparison to DP 16.					
VEGETATION – Use scientific names of	of plants.				_
	Absolute	Dominant Indicator	Dominance Test worksh	ieet:	
Tree Stratum (Plot size:	% Cover	Species? Status	Number of Dominant Spec		
1			That Are OBL, FACW, or	FAC:	<b>0</b> (A)
2			Total Number of Dominan	ıt	
3			Species Across All Strata:	: 	<b>1</b> (B)
4			Percent of Dominant Spec	cies	
	0 =	=Total Cover	That Are OBL, FACW, or	FAC:	<b>0%</b> (A/B)
Sapling/Shrub Stratum (Plot size:	_)		Prevalence Index Works		
1			Total % Cover of:	_	tiply by:
2.			OBL species 0	x1 =	0
3			FACW species 0	x2 =	0
4	<del></del>		FAC species 0	x3 =	0
5		T-1-10	FACU species 5	<del></del>	20
Harb Charters (Distained America)	0 =	=Total Cover	UPL species 55		275 205
Herb Stratum (Plot size: _1 meter <sup>2</sup> _ )  1. Avena fatua	55	V LIDI	Column Totals: 60	` ′	<b>295</b> (B)
	<u>55</u> 5	X UPL	Prevalence Index = B/A	A = <b>4.9</b>	<u>,                                      </u>
Lactuca serriola     Polygonum aviculare ssp. depressum		FACU FAC	Huduan kutia Vanatatian	Indicators.	_
4.			Hydrophytic Vegetation  Dominance Test		
			Prevalence Inde		
5. 6.			<del></del>		
o 7.				daptations <sup>1</sup> (Provides or on a separate	
7 8.				drophytic Vegetatio	
o	60 =	Total Cover	- I Toblematic Hyd	Topriytic vegetatio	II (Explaiii)
Manda Vina Chatum (Dlat sina)		- Total Covel	10.00.00.00.00.00		
Woody Vine Stratum (Plot size:1.	_)		<sup>1</sup> Indicators of hydric soil ar be present, unless disturb		
2.			, ,	- Problemane.	
		Total Cover	Hydrophytic		
% Bare Ground in Herb Stratum 40	% Cover of E		Vegetation Present?	Yes	No X
Remarks:	3070, 31 E		,		<u> </u>
nemarks:					
Avena fatua has been mowed for hay production.					
· ·					

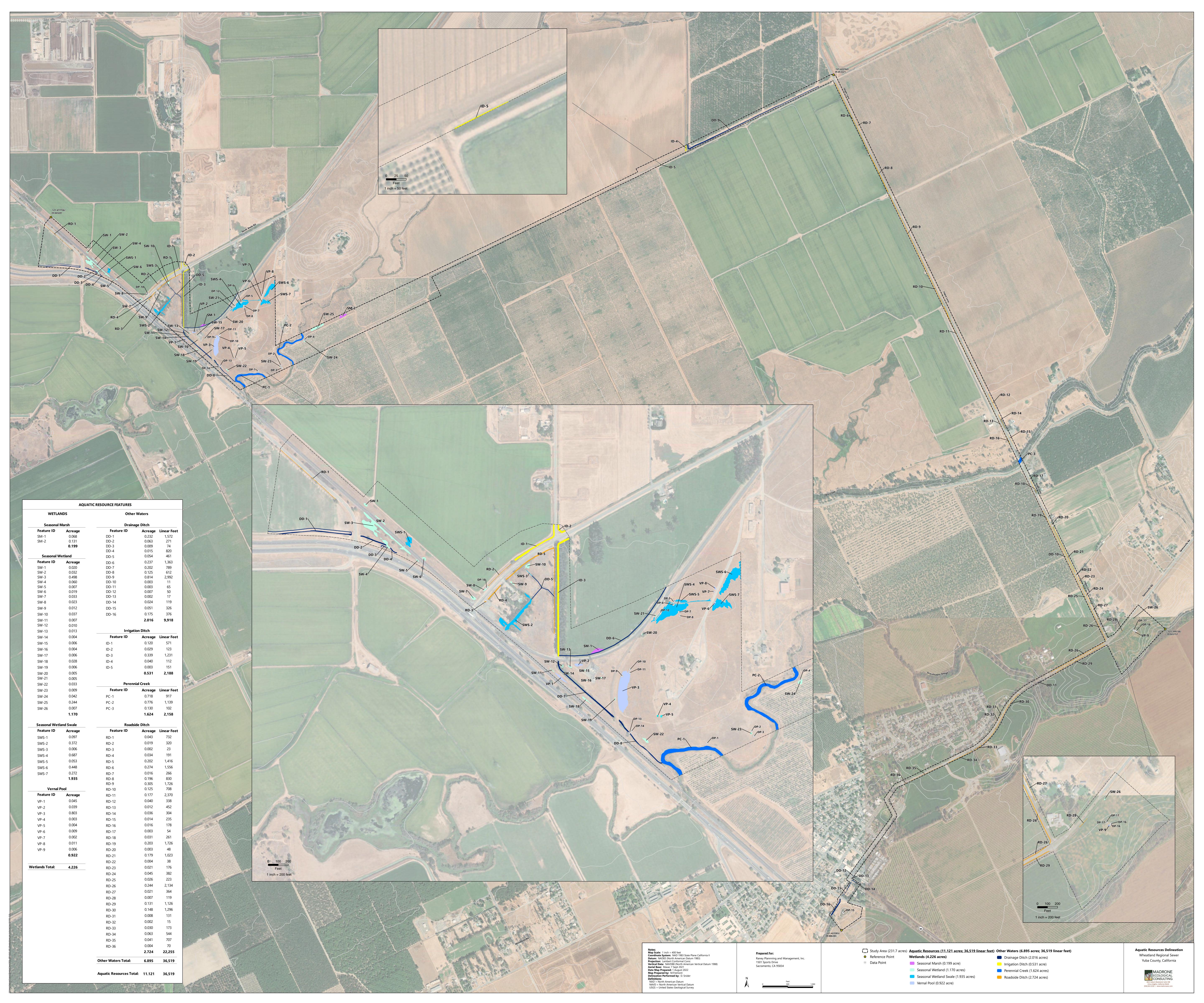
Depth	Matrix			Redox F	Cataros		•				
inches)	Color (moist)	%	Color (mois	t) %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	3	
)-4"	7.5 YR 3/2	100					loam				
		·									
		· ·									
	_	· ·									
		· —— ·				•					
Type: C=C	oncentration, D=Depletion	n, RM=Redu	ced Matrix, CS	=Covered o	or Coated Sand	Grains. 2	Location: PL=Pore L	_ining, M=Matrix.			
-	I Indicators: (Applica	able to all						Problematic Hyd	Iric Soils <sup>3</sup> :		
Histos	sol (A1)		San	dy Redox	(S5)		1 cm Mucl	k (A9) ( <b>LRR C</b> )			
Histic	Epipedon (A2)		Stri	oped Matr	ix (S6)		2 cm Mucl	k (A10) ( <b>LRR B</b> )			
Black	Histic (A3)		Loa	my Mucky	/ Mineral (F1)		Reduced \	Vertic (F18)			
Hydro	gen Sulfide (A4)		Loa	my Gleye	d Matrix (F2)		Red Parer	nt Material (TF2)			
Stratit	fied Layers (A5) ( <b>LRR</b>	C)	Dep	leted Mat	rix (F3)		Other (Exp	olain in Remarks)	)		
1 cm	Muck (A9) ( <b>LRR D</b> )		Rec	lox Dark S	Surface (F6)						
Deple	ted Below Dark Surfac	ce (A11)	Dep	leted Darl	k Surface (F7	)					
Thick	Dark Surface (A12)				ssions (F8)		3111: -	otoro of budget	tio vozata!	on on d	
Sand	y Mucky Mineral (S1)		Ver	nal Pools	(F9)			ators of hydrophy tland hydrology n			
Sand	y Gleyed Matrix (S4)							nless disturbed o			
	Layer (if present):								•		
	nec).					ш.	rdria Sail Brasant	2 V	oe.	No	Y
Type: Depth (inch marks: hydric soi	nes):		<u> </u>			Ну	rdric Soil Present	? Y	es	_ No	X
Depth (inch	·		_			Ну	rdric Soil Present	? Y	es	No	X
Depth (inch marks: hydric soi	I indicators detected.					Ну	rdric Soil Present	? Y	es	No	X
Depth (inch marks: hydric soi	I indicators detected.					ну	rdric Soil Present	? Y	es	No	X
Depth (inch marks: hydric soi DROLOG	I indicators detected.  Y ydrology Indicators:		di about all th			Ну					X
Depth (inch marks: hydric soi DROLOG Wetland H	I indicators detected.  Y ydrology Indicators: dicators (minimum of o	ne required			141)	Ну		ondary Indicators	(2 or more	required)	X
Depth (inch marks: hydric soi DROLOG Vetland H Primary Inc	Y ydrology Indicators: dicators (minimum of oce Water (A1)	ne required	Salt	Crust (B1	•	ну		ondary Indicators Water Marks (B	(2 or more 1) (Riverine	required)	X
DROLOG  Wetland H  Primary Inc  Surfar  High	Y ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2)	ne required	Salt	: Crust (B1 ic Crust (B	B12)			ondary Indicators Water Marks (B Sediment Depos	(2 or more 1) (Riverine sits (B2) (Ri	required)	X
DROLOG  Wetland H  Primary Inc  Surfar  High  Satur:	y ydrology Indicators: licators (minimum of o ce Water (A1) Water Table (A2) ation (A3)	·	Salt Biot Aqu	: Crust (B1 ic Crust (E atic Invert	B12) tebrates (B13)			ondary Indicators Water Marks (B Sediment Deposits (E	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine	required)	X
DROLOG  Wetland H  Primary Inc  Surfar  High  Satur.  Water	y ydrology Indicators: licators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	rine)	Salt Biot Aqu Hyd	Crust (B1 ic Crust (E atic Invert rogen Sul	B12) tebrates (B13) lfide Odor (C1		Seco	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine ns (B10)	required) e) verine)	X
DROLOG  Wetland H  Primary Inc  Surfar  High  Satur.  Water	y ydrology Indicators: licators (minimum of o ce Water (A1) Water Table (A2) ation (A3)	rine)	Salt Biot Aqu Hyd	Crust (B1 ic Crust (E atic Invert rogen Sul	B12) tebrates (B13)		Seco	ondary Indicators Water Marks (B Sediment Deposits (E	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine ns (B10)	required) e) verine)	X
DROLOG Vetland H Primary Inc Surfa High Satura Wate Sedin	y ydrology Indicators: licators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	rine) onriverine)	Salt	: Crust (B1 ic Crust (E latic Invert rogen Sul dized Rhiz	B12) tebrates (B13) lfide Odor (C1	) ng Living	Seco	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine ns (B10) ter Table (C	required) e) verine)	X
DROLOG Vetland H Surfac High Satur Wate Sedin Drift I	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivenent Deposits (B2) (No	rine) onriverine)	Salt Biot Aqu Hyd Oxid	Crust (B1 ic Crust (B1 latic Invert lrogen Sul dized Rhiz sence of F	B12) tebrates (B13) lfide Odor (C1 zospheres alo	) ng Living (C4)	Second	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine ns (B10) ter Table (C s (C8)	required) e) verine) e)	
DROLOG  Wetland H Primary Inc Satur Wate Sedin Drift E Surfac	y ydrology Indicators: licators (minimum of or ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No	rine) onriverine) erine)	Salt Biot Aqu Hyd Oxid	Crust (B1 ic Crust (B latic Invertingen Sul dized Rhiz sence of F cent Iron R	B12) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron	) ng Living (C4)	Second	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine ns (B10) ter Table (C s (C8)	required) e) verine) e)	
DROLOG  Wetland H High Satur Wate Sedin Drift E Surfat Inund	y ydrology Indicators: licators (minimum of or	rine) onriverine) erine) Imagery (E	Salt Biot Aqu Hyd Oxic Pre: Rec Thir	Crust (B1 ic Crust (B1 latic Invertingen Suldized Rhiz sence of Ficent Iron Richard	B12) tebrates (B13) lfide Odor (C1 cospheres alor Reduced Iron Reduction in T	) ng Living (C4) lled Soils	Second	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine ns (B10) ter Table (C ss (C8) le on Aerial d (D3)	required) e) verine) e)	
DROLOG Wetland H High Satur Wate Sedin Drift E Surfa	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriverset Deposits (B2) (Nonriverset Deposits (B3)) Deposits (B3) (Nonriverset Deposits (B3)) Composits (B4) (Nonriverset Deposits (B6)) Composits (B6) (Nonriverset Deposits (B6)) Composits (B6) (Nonriverset Deposits (B6)) Composits (B6) (Nonriverset Deposits (B6))	rine) onriverine) erine) Imagery (E	Salt Biot Aqu Hyd Oxic Pre: Rec Thir	Crust (B1 ic Crust (B1 latic Invertingen Suldized Rhiz sence of Ficent Iron Richard	B12) tebrates (B13) fide Odor (C1 cospheres alor Reduced Iron Reduction in Ti	) ng Living (C4) lled Soils	Second	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitare	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine ns (B10) ter Table (C ss (C8) le on Aerial d (D3)	required) e) verine) e)	
DROLOG  Wetland H Primary Inc Surfar High V Sedin Drift I Surfar Inund Water	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriverset Deposits (B2) (Nonriverset Deposits (B3)) Deposits (B3) (Nonriverset Deposits (B3)) Composits (B4) (Nonriverset Deposits (B6)) Composits (B6) (Nonriverset Deposits (B6)) Composits (B6) (Nonriverset Deposits (B6)) Composits (B6) (Nonriverset Deposits (B6))	rine) onriverine) erine) Imagery (E	Salt Biot Aqu Hyd Oxio Pre: Rec Rec Thir Oth	Crust (B1 ic Crust (B1 latic Invertingen Suldized Rhiz sence of Ficent Iron Richard	B12) tebrates (B13) fide Odor (C1 cospheres alor Reduced Iron Reduction in Ti urface (C7) n in Remarks)	) ng Living (C4) lled Soils	Second	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitare	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine ns (B10) ter Table (C ss (C8) le on Aerial d (D3)	required) e) verine) e)	
DROLOG  Wetland H Primary Inc Surfar High Satura Vate Sedin Drift I Surfar Inund Wate Surface W:	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9)	rine) onriverine) erine) Imagery (E	Salt   Salt	Crust (B1 ic Crust (I ic Crust (I idic Crust (I idic I idi	B12) tebrates (B13) fide Odor (C1 cospheres alor Reduced Iron Reduction in Ti urface (C7) n in Remarks)	) ng Living (C4) lled Soils	Second	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitare	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine ns (B10) ter Table (C ss (C8) le on Aerial d (D3)	required) e) verine) e)	
DROLOG  Wetland H Primary Inc Surfar High Satura Vate Sedin Drift I Surfar Inund Wate Surface W:	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes	rine) onriverine) erine) Imagery (E	Salt   Biot   Biot   Gale   Gale	Crust (B1 ic Crust (I latic Invertingen Sul dized Rhiz sence of F ent Iron R n Muck Su er (Explain	tebrates (B13) Iffide Odor (C1 cospheres alor Reduced Iron Reduction in Ti Irface (C7) In in Remarks) Ines):	) ng Living (C4) lled Soils	Second	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitars	(2 or more 1) (Riverine sits (B2) (Ri 33) (Riverine ns (B10) ter Table (C ss (C8) le on Aerial d (D3)	required) e) verine) e)	<b>X</b> (9)
DROLOG Wetland H Primary Inc Surfac High Satur Water Sedin Under Surfac Surfac Surfac Surfac Surfac Surfac Surface Sur	y ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes apillary fringe)	rine) porriverine) lmagery (E	Salt	Crust (B1 crust (I) crust	B12) tebrates (B13) fifide Odor (C1 zospheres alor Reduced Iron Reduction in Ti urface (C7) n in Remarks) nes): nes):	ng Living (C4) Illed Soils	Roots (C3) s (C6)	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitars	(2 or more 1) ( <b>Riverine</b> sits (B2) ( <b>Ri</b> 33) ( <b>Riverin</b> ns (B10) ter Table (C s (C8) le on Aerial d (D3) st (D5)	required) e) verine) e) :2) Imagery (0	C9)
DROLOG Wetland H Primary Inc Surfac High Satur Water Sedin Under Surfac Surfac Surfac Surfac Surfac Surfac Surface Sur	y ydrology Indicators: dicators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes	rine) porriverine) lmagery (E	Salt	Crust (B1 crust (I) crust	B12) tebrates (B13) fifide Odor (C1 zospheres alor Reduced Iron Reduction in Ti urface (C7) n in Remarks) nes): nes):	ng Living (C4) Illed Soils	Roots (C3) s (C6)	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitars	(2 or more 1) ( <b>Riverine</b> sits (B2) ( <b>Ri</b> 33) ( <b>Riverin</b> ns (B10) ter Table (C s (C8) le on Aerial d (D3) st (D5)	required) e) verine) e) :2) Imagery (0	09)
DROLOG  DROLOG  Wetland H  Primary Inc  Surfac  High  Satura  Under Sedin  Drift E  Surfac  Inund  Water  Field Obse  Surface Water  Nater Tabl  Saturation  includes c  scribe Rec	y ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes apillary fringe)	rine) porriverine) lmagery (E	Salt	Crust (B1 crust (I) crust	B12) tebrates (B13) fifide Odor (C1 zospheres alor Reduced Iron Reduction in Ti urface (C7) n in Remarks) nes): nes):	ng Living (C4) Illed Soils	Roots (C3) s (C6)	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitars	(2 or more 1) ( <b>Riverine</b> sits (B2) ( <b>Ri</b> 33) ( <b>Riverin</b> ns (B10) ter Table (C s (C8) le on Aerial d (D3) st (D5)	required) e) verine) e) :2) Imagery (0	C9)
DROLOG Wetland H Primary Inc Surfac High Satur Water Sedin Under Surfac Surfac Surfac Surfac Surfac Surfac Surface Sur	y ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes apillary fringe)	rine) porriverine) lmagery (E	Salt	Crust (B1 crust (I) crust	B12) tebrates (B13) fifide Odor (C1 zospheres alor Reduced Iron Reduction in Ti urface (C7) n in Remarks) nes): nes):	ng Living (C4) Illed Soils	Roots (C3) s (C6)	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitars	(2 or more 1) ( <b>Riverine</b> sits (B2) ( <b>Ri</b> 33) ( <b>Riverin</b> ns (B10) ter Table (C s (C8) le on Aerial d (D3) st (D5)	required) e) verine) e) :2) Imagery (0	C9)
DROLOG  Wetland H Primary Inc Surfar High Satur: Water Sedin Under	y ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes apillary fringe)	rine) porriverine) Imagery (E	Salt	Crust (B1 crust (I) crust	B12) tebrates (B13) fifide Odor (C1 zospheres alor Reduced Iron Reduction in Ti urface (C7) n in Remarks) nes): nes):	ng Living (C4) Illed Soils	Roots (C3) s (C6)	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitars	(2 or more 1) ( <b>Riverine</b> sits (B2) ( <b>Ri</b> 33) ( <b>Riverin</b> ns (B10) ter Table (C s (C8) le on Aerial d (D3) st (D5)	required) e) verine) e) :2) Imagery (0	C9)
DROLOG  Wetland H Primary Inc Surfar High Satur: Water Sedin Under	y ydrology Indicators: licators (minimum of oce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriverent Deposits (B2) (Nonriverent Deposits (B3) (Nonriverent Deposits (B6)) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes present? Yes apillary fringe) corded Data (stream gaser)	rine) porriverine) Imagery (E	Salt	Crust (B1 crust (I) crust	B12) tebrates (B13) fifide Odor (C1 zospheres alor Reduced Iron Reduction in Ti urface (C7) n in Remarks) nes): nes):	ng Living (C4) Illed Soils	Roots (C3) s (C6)	ondary Indicators Water Marks (B Sediment Deposits (E Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitars	(2 or more 1) ( <b>Riverine</b> sits (B2) ( <b>Ri</b> 33) ( <b>Riverin</b> ns (B10) ter Table (C s (C8) le on Aerial d (D3) st (D5)	required) e) verine) e) :2) Imagery (0	<b>(</b> 9)

Project/Site:	Wheatland Regiona	al Sewer		City/County:	Yuba Cour	nty			Samplin	ng Date:	07/01/21
Applicant/Owner:	City of Wheatland						State: C	A	Samplin	ng Point:	DP 18
Investigator(s):	Matt Shaffer			Sectio	n, Township	, Range:	Section 2	25, Townshi	p 14 N, R	ange 4 E, l	MDB&M
Landform (hillslope	e, terrace, etc.):	Rolling hills		Local re	elief (concav	e, convex,	none): C	Concave		Slope	: (%):2
Subregion (LRR):	Mediterranean Calif	fornia (LRR C)	Lat:		39.0	4146766	Long:		-121.470	)986 D	atum: NAD 83
Soil Map Unit Nam	ne: 214 - San J	oaquin loam, 0 to	1 percent slo	pes			الله الله الله الله الله الله الله الله	sification: N	None		
Are climatic / hydro	ologic conditions on	the site typical fo	r this time of y	ear?	Yes	Х	No	(	If no, exp	lain in Rem	ıarks.)
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "N	lormal Cir	rcumstances	s" presen	t? Yes	X No
Are Vegetation	, Soil			naturally pro			led, expla	ain any ansv	vers in Re	marks.)	
SUMMARY OF	FINDINGS - At		·	sampling	point loca	itions, tr	ansects	s, importa	ant feati	ures, etc	
Hydrophytic Veget	tation Present?	Yes X	No								
Hydric Soil Presen			No		ampled Area		Yes	X	No		
Wetland Hydrolog			No	within a	a Wetland?		_				
Remarks:											
VEGETATION	– Use scientific	c names of pl	ants.								
			Absolute	Dominant	Indicator	Dominar	nce Test	worksheet:			
Tree Stratum	(Plot size:	)	% Cover	Species?	Status	Number	of Domina	ant Species			
1.	(1 101 0120.	/				That Are	OBL, FA	CW, or FAC	<b>:</b>	1	(A)
2.						Total Nur	mber of D	ominant	-		`
3.							Across All			1	(B)
4.						Porcent c	of Domine	ant Species			(-/
			0	=Total Cove	r			CW, or FAC		100%	(A/B)
							,	,			`
Sapling/Shrub S	Stratum (Plot size: _	)				Prevalen	ce Index	Workshee	t:		
1.						Tota	al % Cove	er of:		Multiply by	r:
2.						OBL spec	cies	90 ×	<1 =	90	
3.						FACW sp	oecies		<2 =	0	
4.			-			FAC spec	cies	,	κ3 =	0	
5.			-			FACU sp	ecies	,	<4 = <u></u>	0	
			0	=Total Cove	r	UPL spec	cies		κ5 =	0	
Herb Stratum	(Plot size: _1 meter	<u>r</u> 2)	-			Column 1	Fotals:	90 (	(A)	90	(B)
1. Juncus xiphi	oides		90	Х	OBL	Preval	ence Inde	ex = B/A =	· · —	1.0	`
2. Epilobium br	achycarpum		Т		FAC	1		_			
3.	•		-		-	Hydroph	ytic Veg	etation Indi	icators:		
4.						X	Dominan	nce Test is >	50%		
5.						X	Prevalen	nce Index is	≤3.0 <sup>1</sup>		
6.							Morphole	ogical Adapt	tations <sup>1</sup> (F	Provide sur	porting
7.								Remarks or o			
8.								atic Hydroph			
			90	=Total Cove	r			, ,	, ,	,	,
Woody Vine St	ratum (Plot size:	)				<sup>1</sup> Indicator	re of hydr	ic soil and w	vetland hv	drology mi	ıet
1.	<u>atam</u> (1 lot 3i2c	/						s disturbed o			151
2.	_					·			'		_
				=Total Cove		Hydroph Vegetation					
% Bare Ground	I in Herb Stratum	10	% Cover of I	•	10	Present?		,	Yes )	( No	
Remarks:	- In Fiord Chatain		70 00001 01 1	Siotio Ordot							
remaile.											

epth	Matrix		K	edox Featı			-	
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
-6"	10 YR 3/2	85	5 YR 4/4	15		М	clay loam	
			-			-		_
								_
								_
								_
								<u> </u>
Гуре: С=С	concentration, D=Depletion	n, RM=Red	duced Matrix, CS=Co	overed or Co	oated Sand	Grains. 2	Location: PL=Po	ore Lining, M=Matrix.
								<b>-</b> 3
-	il Indicators: (Applica	able to al	•		•			or Problematic Hydric Soils <sup>3</sup> :
Histo	sol (A1)		Sandy	Redox (S5	5)		1 cm M	luck (A9) (LRR C)
Histic	Epipedon (A2)		Strippe	ed Matrix (S	S6)		2 cm M	luck (A10) (LRR B)
Black	(Histic (A3)		Loamy	Mucky Mi	neral (F1)		Reduce	ed Vertic (F18)
— Hvdro	ogen Sulfide (A4)		Loamy	Gleyed M	atrix (F2)		Red Pa	arent Material (TF2)
	ified Layers (A5) (LRR	C)		ed Matrix (				Explain in Remarks)
_	Muck (A9) (LRR D)	-,		Dark Surfa				
			<del></del>					
	eted Below Dark Surfac	ce (A11)		ed Dark Sı		()		
Thick	Dark Surface (A12)		Redox	Depressio	ns (F8)		<sup>3</sup> In	dicators of hydrophytic vegetation and
Sand	y Mucky Mineral (S1)		Vernal	Pools (F9)	)			wetland hydrology must be present,
Sand	ly Gleyed Matrix (S4)							unless disturbed or problematic.
	e Layer (if present):							
ype:								
	hes):					н	dric Soil Pres	ent? Yes X No
epth (inc	hes):					Ну	ydric Soil Pres	ent? Yes X No
epth (inc	hes):					ну	ydric Soil Pres	ent? Yes X No
ype: Depth (inc	hes):					Hy	ydric Soil Pres	ent? Yes X No
epth (inc	hes):					ну	ydric Soil Pres	ent? Yes X No
epth (inc	hes):					Ну	ydric Soil Pres	ent? Yes <u>X</u> No
epth (inc	hes):					Ну	ydric Soil Pres	ent? Yes X No
Pepth (inc						Hy	ydric Soil Pres	ent? Yes X No
Depth (incomarks:	y Y					Hy	ydric Soil Pres	ent? Yes X No
Depth (inc marks: DROLOG	iY lydrology Indicators:					Hy		
DROLOG Vetland F	:Y lydrology Indicators: dicators (minimum of o	ne requir				Н		secondary Indicators (2 or more required)
DROLOG Vetland F	iY lydrology Indicators:	ne requir		apply) ust (B11)		Н		
DROLOG Vetland F Surfa	:Y lydrology Indicators: dicators (minimum of o	ne requir	Salt Cr		)	Н		secondary Indicators (2 or more required)
DROLOG Vetland F Surfa High	lydrology Indicators: dicators (minimum of o lice Water (A1) Water Table (A2)	ne requir	X Biotic 0	rust (B11) Crust (B12	•			Secondary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )
DROLOG Vetland F Surfa High Satur	lydrology Indicators: dicators (minimum of o lice Water (A1) Water Table (A2) ration (A3)		Salt Cr X Biotic ( Aquation	rust (B11) Crust (B12 c Invertebr	ates (B13	)		Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
DROLOG Vetland F Surfa High Satur Water	dicators (minimum of o ice Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonrive	rine)	Salt Cr X Biotic ( Aquation Hydrog	ust (B11) Crust (B12 c Invertebr gen Sulfide	ates (B13 Odor (C1	)	<u>s</u>	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
DROLOG Vetland F rimary In Surfa High Satur Wate Sedin	dicators (minimum of one Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriverment Deposits (B2) (No	rine) onriverine	Salt Cr   X Biotic (   Aquati-   Hydrog   Oxidize	rust (B11) Crust (B12 c Invertebr gen Sulfide ed Rhizosp	ates (B13 Odor (C1 oheres alo	) l) ng Living		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)
DROLOG Vetland F Surfa High Satur Wate Sedir Drift	lydrology Indicators: dicators (minimum of of other (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonrive) ment Deposits (B2) (No	rine) onriverine	Salt Cr   X   Biotic (   Aquatic   Hydrog   Oxidize   Preser	rust (B11) Crust (B12) Crust (B12) Crust (B12) Crust (B12) Grust (	ates (B13 Odor (C1 oheres alo uced Iron	) l) ing Living (C4)	S S	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
DROLOG Vetland F Surfa High Satur Wate Sedir	dicators (minimum of one Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriverment Deposits (B2) (No	rine) onriverine	Salt Cr   X   Biotic (   Aquatic   Hydrog   Oxidize   Preser	rust (B11) Crust (B12 c Invertebr gen Sulfide ed Rhizosp	ates (B13 Odor (C1 oheres alo uced Iron	) l) ing Living (C4)	S S	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
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DROLOG Vetland F Primary In Surfa High Satur Vate Sedir Drift I X Surfa Inunc Wate	lydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3) ration (A3) ration (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) diation Visible on Aerial rational Leaves (B9) ervations:	rine) onriverine erine) Imagery (	Salt Cr   X   Biotic (   Aquatir   Hydrog   Oxidize   Preser   Recen   (B7)   Thin M	ust (B11) Crust (B12) c Invertebr gen Sulfide ed Rhizosp ace of Red t Iron Redu uck Surface	ates (B13 Odor (C1 oheres alo uced Iron uction in T ce (C7) Remarks	) l) ing Living (C4) illed Soils	S S	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
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DROLOG Vetland F Primary In Surfa High Satur Vate Sedin Drift I X Surfa Inunc Wate Surface W Vater Tab	ly lydrology Indicators: dicators (minimum of once Water (A1) Water Table (A2) ration (A3) In Marks (B1) (Nonriver ment Deposits (B2) (Nonriver composits (B3)) In Marks (B1) (Nonriver composits (B2)) In Mar	rine) onriverine erine) Imagery	Salt Cr     X   Biotic (   Aquatic     Hydrog     Oxidize     Preser     Recen     Thin M     Other (   No   X   Dep     No   X   Dep	ust (B11) Crust (B12) c Invertebr gen Sulfide ed Rhizosp ace of Redi t Iron Redu uck Surfac (Explain in	ates (B13 e Odor (C1 oheres alo uced Iron uction in T ce (C7) Remarks	) l) ing Living (C4) iilled Soils	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) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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# Attachment B

**Aquatic Resources Delineation Map** 



# Attachment C

Plant Species Observed within the Study Area

### Plant Species Observed within the Wheatland Regional Sewer Pipeline Study Area 28 and 29 June 2021, 2 and 27 July 2021, and 2 May 2022

### **Wetland Indicator**

		wetiand indicator
Species Name	Common Name	Status
Abutilon theophrasti	Velvet-leaf	UPL
Acmispon americanus var. americanus	Spanish lotus	UPL
Agave americana	Century plant	UPL
Agrostis avenacea	Pacific bent grass	UPL
Ailanthus altissima	Tree of heaven	FACU
Aira caryophyllea	Silver hair grass	FACU
Alisma triviale	Northern water plantain	OBL
Ammi visnaga	Bisnaga	UPL
Amsinckia menziesii	Common fiddleneck	UPL
Anaphalis margaritacea	Pearly everlasting	FACU
Andropogon virginicus var. virginicus	Broomsedge bluestem	FAC
Anthemis cotula	Mayweed	FACU
Artemisia douglasiana	Mugwort	FAC
Arundo donax	Giant reed	FACW
Asclepias fascicularis	Narrow-leaf milkweed	FAC
Asclepias speciosa	Showy milkweed	FAC
Avena barbata	Slender wild oat	UPL
Avena fatua	Wild oat	UPL
Baccharis pilularis subsp. pilularis	Coyote brush	UPL
Brassica nigra	Black mustard	UPL
Briza maxima	Rattlesnake grass	UPL
Briza minor	Annual quaking grass	FAC
Brodiaea elegans subsp. elegans	Harvest brodiaea	UPL
Bromus diandrus	Ripgut grass	UPL
Bromus hordeaceus	Soft chess	FACU
Bromus sterilis	Sterile brome	UPL
Callitriche marginata	Winged water starwort	OBL
Cardamine oligosperma	Little western bittercress	FAC
Carduus pycnocephalus subsp. pycnocephalus	Italian thistle	UPL
Carex barbarae	Santa Barbara sedge	FAC
Castilleja attenuata	Valley tassels	UPL
Centaurea solstitialis	Yellow star-thistle	UPL
Centromadia fitchii	Fitch's spikeweed	FACU
Cephalanthus occidentalis	California button willow	OBL
Chlorogalum pomeridianum var.	Common soap plant	UPL
pomeridianum		
Cichorium intybus	Chicory	FACU
Convolvulus arvensis	Bindweed	UPL

Species Name	Common Name	Wetland Indicator Status
Crassula aquatica	Water pygmyweed	OBL
Crassula tillaea	Moss pygmyweed	FACU
Croton setiger	Turkey-mullein	UPL
Cynodon dactylon	Bermuda grass	FACU
Cyperus eragrostis	Tall nutsedge	FACW
Deschampsia danthonioides	Annual hair grass	FACW
Dichelostemma multiflorum	Wild hyacinth	UPL
Digitaria sanguinalis	Hairy crab grass	FACU
Dipterostemon capitatus subsp. capitatus	Blue dicks	FACU
Dittrichia graveolens	Stinkwort	UPL
Downingia ornatissima	Ornate downingia	OBL
Dysphania ambrosioides	Mexican tea	FAC
Echinochloa crus-galli	Barnyard grass	FACW
Eleocharis macrostachya	Creeping spikerush	OBL
Eleocharis parishii	Parish's spikerush	FACW
Elymus caput-medusae	Medusa head	UPL
Elymus ponticus	Tall wheat grass	UPL
Elymus triticoides	Beardless wild-rye	FAC
Epilobium brachycarpum	Willowherb	FAC
Epilobium campestre	Smooth boisduvalia	OBL
Epilobium ciliatum subsp. ciliatum	Slender willowherb	UPL
Epilobium torreyi	Torrey's willowherb	FACW
Erigeron canadensis	Horseweed	FACU
Erodium botrys	Filaree	FACU
Erodium cicutarium	Redstem filaree	UPL
Eryngium castrense	Great valley coyote-thistle	OBL
Eucalyptus camaldulensis	River red gum	FAC
Eucalyptus globulus	Blue gum	UPL
Euphorbia maculata	Spotted spurge	UPL
Euphorbia serpillifolia	Thyme-leafed spurge	UPL
Festuca arundinacea	Tall fescue	UPL
Festuca bromoides	Brome fescue	FACU
Festuca myuros	Rattail sixweeks grass	FACU
Festuca perennis	Rye grass	FAC
Ficus carica	Edible fig	FACU
Fraxinus latifolia	Oregon ash	FACW
Galium aparine	Goose grass	FACU
Galium parisiense	Wall bedstraw	UPL
Geranium dissectum	Cut-leaf geranium	UPL
Geranium molle	Soft geranium	UPL
Glyceria declinata	Low manna grass	FACW
Gnaphalium palustre	Western marsh cudweed	FACW

Species Name	Common Name	Wetland Indicator Status
Gratiola ebracteata	Bractless hedge-hyssop	OBL
Grindelia camporum	Great Valley gumplant	FACW
Helminthotheca echioides	Bristly ox-tongue	FAC
Hirschfeldia incana	Shortpod mustard	UPL
Holocarpha virgata subsp. virgata	Slender tarweed	UPL
Hordeum marinum subsp. gussoneanum	Mediterranean barley	FAC
Hordeum murinum	Wall barley	FACU
Hypericum perforatum subsp. perforatum	Klamathweed	FACU
Hypochaeris glabra	Smooth cat's-ear	UPL
Juglans hindsii	Northern California black walnut	FAC
Juncus bufonius	Toad rush	FACW
Juncus usitatus	Australian rush	FACW
Juncus xiphioides	Iris-leaved rush	OBL
Kickxia elatine	Sharp-leaved fluellen	UPL
Lactuca serriola	Prickly lettuce	FACU
Lasthenia glaberrima	Smooth goldfields	OBL
Leontodon saxatilis subsp. saxatilis	Hairy cat's ear	FACU
Lepidium didymum	Lesser swine cress	UPL
Lepidium latifolium	Perennial pepperweed	FAC
Lepidium nitidum	Shining peppergrass	FAC
Leptochloa fusca subsp. fascicularis	Bearded sprangletop	UPL
Ligustrum species	Privet	UPL
Limnanthes alba subsp. alba	White meadowfoam	FACW
Logfia gallica	Daggerleaf cottonrose	UPL
Lotus corniculatus	Bird's-foot trefoil	FAC
Ludwigia peploides	Water primrose	OBL
Lupinus bicolor	Miniature Iupine	UPL
Lysimachia arvensis	Scarlet pimpernel	FAC
Lythrum hyssopifolia	Hyssop loosestrife	OBL
Lythrum tribracteatum	Threebract loosestrife	OBL
Madia elegans	Common madia	UPL
Marsilea vestita subsp. vestita	Hairy water fern	OBL
Matricaria discoidea	Pineapple weed	FACU
Medicago lupulina	Black medick	FAC
Medicago polymorpha	California burclover	FACU
Medicago sativa	Alfalfa	UPL
Mentha pulegium	Pennyroyal	OBL
Morus alba	White mulberry	FACU
Myriophyllum aquaticum	Parrot's feather	OBL
Navarretia intertexta	Needle-leaf navarretia	FACW
Navarretia tagetina	Marigold navarretia	FACW
Olea europaea	Olive	UPL

### **Wetland Indicator**

		vvetiana maicator
Species Name	Common Name	Status
Oryza sativa	Rice cutgrass	OBL
Oxalis micrantha	Dwarf wood-sorrel	UPL
Paspalum dilatatum	Dallis grass	FAC
Paspalum distichum	Knot grass	FACW
Persicaria lapathifolia	Willow weed	FACW
Phalaris aquatica	Harding grass	FACU
Phalaris lemmonii	Lemmon's canary grass	FACW
Phalaris paradoxa	Hood canary grass	FAC
Phoradendron leucarpum subsp. macrophyllum	Mistletoe	UPL
Phyla nodiflora	Frogfruit	FACW
Phytolacca americana var. americana	Pokeweed	FAC
Pistacia vera	Pistachio	UPL
Plagiobothrys bracteatus	Bracted popcornflower	FACW
Plagiobothrys greenei	Greene's popcornflower	FACW
Plagiobothrys stipitatus var. micranthus	Slender popcornflower	FACW
Plagiobothrys undulatus	Wavy-stemmed popcornflower	OBL
Plantago coronopus	Buck's-horn plantain	FAC
Plantago lanceolata	English plantain	FAC
Plantago major	Common plantain	FAC
Platanus racemosa	Western sycamore	FAC
Poa annua	Annual blue grass	FAC
Poa pratensis subsp. pratensis	Kentucky blue grass	FAC
Polygonum aviculare subsp. depressum	Prostrate knotweed	FAC
Polypogon maritimus	Mediterranean beard grass	OBL
Polypogon monspeliensis	Annual rabbitfoot grass	FACW
Populus fremontii subsp. fremontii	Fremont cottonwood	FAC
Portulaca oleracea	Purslane	FAC
Prunus cerasifera	Cherry plum	UPL
Prunus dulcis	Almond	UPL
Prunus persica	Peach	UPL
Psilocarphus brevissimus var. brevissimus	Dwarf woollyheads	FACW
Psilocarphus oregonus	Oregon woollyheads	OBL
Quercus lobata	Valley oak	FACU
Quercus wislizeni var. wislizeni	Interior live oak	UPL
Ranunculus muricatus	Spiny-fruit buttercup	FACW
Raphanus sativus	Radish	UPL
Robinia pseudoacacia	Black locust	FACU
Rorippa curvisiliqua	Curvepod yellowcress	OBL
Rosa setigera	Climbing rose	UPL
Rubus armeniacus	Armenian blackberry	FAC
Rumex crispus	Curly dock	FAC
Rumex pulcher	Fiddle dock	FAC

### **Wetland Indicator**

		Wetland indicator
Species Name	Common Name	Status
Sagittaria latifolia	Broadleaf arrowhead	OBL
Salix exigua	Sandbar willow	FACW
Salix gooddingii	Goodding's black willow	FACW
Salix laevigata	Red willow	FACW
Salix lasiolepis	Arroyo willow	FACW
Salsola tragus	Russian thistle	FACU
Sambucus nigra subsp. caerulea	Blue elderberry	FACU
Schoenoplectus acutus var. occidentalis	Common tule	OBL
Silene gallica	Small-flower catchfly	UPL
Silybum marianum	Milk thistle	UPL
Solanum elaeagnifolium	White horse-nettle	UPL
Sonchus asper subsp. asper	Prickly sow thistle	FAC
Sonchus oleraceus	Common sow thistle	UPL
Sorghum halepense	Johnson grass	FACU
Spergula arvensis	Corn spurrey	UPL
Spergularia rubra	Red sand-spurrey	FAC
Stipa miliacea var. miliacea	Smilo grass	UPL
Stipa pulchra	Purple needle grass	UPL
Toxicodendron diversilobum	Western poison oak	FACU
Tragopogon porrifolius	Salsify	UPL
Tribulus terrestris	Puncture vine	UPL
Trichostema lanceolatum	Vinegar weed	FACU
Trifolium dubium	Little hop clover	UPL
Trifolium fragiferum	Strawberry clover	FAC
Trifolium glomeratum	Clustered clover	UPL
Trifolium hirtum	Rose clover	UPL
Trifolium hybridum	Alsike clover	FAC
Trifolium tomentosum	Woolly clover	UPL
Triticum aestivum	Wheat	UPL
Typha angustifolia	Narrow-leaved cattail	OBL
Typha latifolia	Broad-leaved cattail	OBL
Verbascum blattaria	Moth mullein	UPL
Verbena bonariensis	South American vervain	FACW
Vicia villosa subsp. varia	Winter vetch	UPL
Vitis californica	California wild grape	FACU
Xanthium strumarium	Cocklebur	FAC
Zeltnera muehlenbergii	Monterey centaury	FAC

# Attachment D

JD Request Form

#### REQUEST FOR AQUATIC RESOURCES DELINEATION VERIFICATION

#### **OR JURISDICTIONAL DETERMINATION**

A separate jurisdictional determination (JD) is not necessary to process a permit. An Approved Jurisdictional Determination (AJD) is required to definitively determine the extent of waters of the U.S. and is generally used to disclaim jurisdiction over aquatic resources that are not waters of the U.S., in cases where the review area contains no aquatic resources, and in cases when the recipient wishes to challenge the water of the U.S. determination on appeal. Either an Aquatic Resources Delineation Verification or a Preliminary Jurisdictional Determination (PJD) may be used when the recipient wishes to assume that aquatic resources are waters of the U.S. for the purposes of permitting. In some circumstances an AJD may require more information, a greater level of effort, and more time to produce. If you are unsure which product to request, please speak with your project manager or call the Sacramento District's general information line at (916) 557-5250.

I am requesting the product indicated below from the U.S. Army Corps of Engineers, Sacramento District, for the review area located at:

Street Address:	City: County:		
State: Zip: Section: Township:	Range:		
Latitude (decimal degrees): Longitude (decima	al degrees):		
The approximate size of the review area for the JD isa	acres. (Please attach location map)		
	Lou		
Choose one:	Choose one product:		
I own the review area	I am requesting an Aquatic Resources Delineation Verification		
I hold an easement or development rights over the review area I lease the review area	I am requesting an Approved JD I am requesting a Preliminary JD		
I plan to purchase the review area	I am requesting a Pleiminary 3D  I am requesting additional information to inform my decision		
I am an agent/consultant acting on behalf of the requestor	about which product to request		
Other:	about which product to request		
Reason for request: (check all that apply)			
I need information concerning aquatic resources within the revie	w area for planning purposes		
I intend to construct/develop a project or perform activities in this			
resources. I intend to construct/develop a project or perform activities in this	a review area which would be designed to avoid those equation		
resources determined to be waters of the U.S.	s review area which would be designed to avoid those aquatic		
	s review area which may require authorization from the Corps; this		
request is accompanied by my permit application.	s review area which may require authorization from the corps, this		
	avigable water of the U.S. which is included on the district's list of		
navigable waters under Section 10 of the Rivers and Harbors			
My lender, insurer, investors, local unit of government, etc. has i			
inadequate and is requiring a jurisdictional determination.	·		
I intend to contest jurisdiction over particular aquatic resources a	and request the Corps confirm that these aquatic resources are or		
are not waters of the U.S.			
I believe that the review area may be comprised entirely of dry la	and.		
Other:			
Attached Information:			
	n the review area consistent with Map and Drawing Standards for		
the South Pacific Division Regulatory Program (Public Notice			
	otices-and-References/Article/651327/updated-map-and-drawing-		
standards/) Aquatic Resources Delineation Report, if available, consistent with the Sacramento District's Minimum Standards for Acceptance			
(Public Notice January 2016, http://1.usa.gov/1V68IYa)	in the Sacramento District's Minimum Standards for Acceptance		
By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with			
such authority, to and do hereby grant Corps personnel right of entry to legally access the review area. Your signature shall be an			
affirmation that you possess the requisite property rights for this request on the subject property.			
*Signature: Sarah Vonder Che Da Name: Compan	te:		
Name: Compan	y name:		
Address:			
Telephone: Email:			

\*Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.

Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.

### Attachment E

**Access Letter**