

Aquatic Resources Delineation Report

Delmar West

Town of Loomis, Placer County, California

19 January 2024

Prepared for:

Evan Mackenzie Building Engineering & Management, Inc. 4780 Rocklin Road Rocklin, CA 95677

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1.0 INTRODUCTION

This report presents the results of a delineation of aquatic resources within the Delmar West site (Study Area) conducted by Madrone Ecological Consulting, LLC (Madrone). The approximately 37-acre Study Area is generally located west of Delmar Avenue, east of the Union Pacific Railroad right-of-way, and north of the Town of Loomis/City of Rocklin boundary. The Study Area is within Section 8, Township 11 North, Range 7 East (MDB&M) of the "Rocklin, California" 7.5-Minute Series USGS Topographic Quadrangle (USGS 2021) (Figure 1).

1.1 Contact Information

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2.0 METHODOLOGY

Madrone biologist Daria Snider conducted a delineation of aquatic resources within the Study Area on 25-26 April and 19 July 2023. Water features and data points were mapped 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. 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 ortho-rectified aerial photographs (Maxar 2022).

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* (USACE 2020) was used to determine the wetland indicator status of plants observed in the Study Area. The *Jepson eFlora* (Jepson Flora Project 2023) was used for plant nomenclature.

3.0 EXISTING CONDITIONS

The Study Area is characterized by annual brome grassland interspersed with seeps, seasonal wetland swales, an intermittent drainage, and a perennial drainage. A few small seasonal wetlands are present in depressional areas due to heavy cattle use. A rural residence is present in the northeastern portion of the site. Eucalyptus trees exist along several fence lines within the Study Area, primarily in the southern portion of the site. Isolated Valley oak (*Quercus lobata*) and other trees are scattered throughout the Study Area. The Study Area is bounded to the north by a private driveway and previously irrigated pasture nearly identical to that found within the study area, to the east by Delmar Avenue, to the south by rural residential parcels, and to the west by the Union Pacific Railroad.

The majority of the Study Area was irrigated for livestock grazing until approximately 2020. At that time, irrigation within the majority of the Study Area ceased, but some plant species [such as the dominance of Kentucky blue grass (*Poa pratensis*) in the uplands, and fowl blue grass (*P. palustris*) in the seasonal wetland swales] remain as evidence of this recent change. The northwestern field was an orchard in 1993, but the trees had been removed by 1999. Lastly, a perennial drainage and associated apparently constructed ponds were historically present within the Study Area, but appear to have been undergrounded in 2004. The drainage now runs through much of the Study Area within a corrugated plastic culvert pipe that leaks in various locations, and as a result is mapped as a seasonal wetland swale.

The annual brome grassland within the Study Area is dominated by soft brome (*Bromus hordeaceus*), brome fescue (*Festuca bromoides*), valley tassels (*Castilleja attenuata*), greenstem filaree (*Erodium moschatum*), and Kentucky blue grass. Other common plant species occurring within the annual brome grasslands include clustered clover, (*Trifolium glomeratum*), smooth cat's-ear (*Hypochaeris glabra*), and rattail fescue (*Festuca myuros*).

3.1 Hydrology

Surface water within the Study Area is primarily driven by rainfall and groundwater seepage. All water features on site flow generally from the north or the west to the south. Most of the features (apart from SW-1 and Seep-1, which appear to be isolated, and the roadside ditches) are tributary to the Perennial Drainage either on-site or off-site to the south. The perennial drainage and the roadside ditches along Del Mar Avenue flows into Antelope Creek, which is a tributary of Dry Creek, which drains to the Sacramento River. The Study Area is located in the *Lower American-Sacramento River Watershed* (HUC 18020111) (USGS 1984).

3.2 Soils

According to the Natural Resources Conservation Service (NRCS) Soil Survey Database (NRCS 2023), two soil mapping units occur within the Study Area (**Figure 2**): (106) Andregg course sandy loam, 2 to 9% slopes and (194) Xerofluvents, frequently flooded. Soil unit (194) consists of hydric components, while unit (106) may contain hydric inclusions (NRCS 2023).

3.3 Driving Directions

To access the Study Area from Sacramento, drive east on Interstate-80. Take exit 108 and head east on Rocklin Road. Turn right on Granite Drive and continue for 0.3 mile before turning left on Sierra Meadows Drive. In 0.7 mi, turn right on Pacific Street and continue for 0.4 mile before turning left onto Delmar Avenue. Take a left on Delmar Avenue and the Study Area is on the left.

4.0 RESULTS

A total of approximately 1.710 acres of aquatic resources were delineated within the Study Area, including approximately 1.594 acres of wetlands and 0.116 acre of other waters. Seasonal wetlands, seasonal wetland swales, seeps, intermittent drainages, perennial drainages, and roadside ditches were delineated within the Study Area. A summary of the aquatic resources found on-site and their acreages is shown in **Table 1** below.

Table 1. Aquatic Resources Delineated within the Study Area

Resource Type	Acreage
Wetlands	
Seasonal Wetland	0.003
Seasonal Wetland Swale	0.436
Seep	1.155
Other Waters	
Intermittent Drainage	0.025
Perennial Drainage	0.085
Roadside Ditch	0.006
Total	1.710

Data sheets are included in **Attachment A**. Maps of the aquatic resources within the Study Area are included as **Figure 3** and **Attachment B**, and a list 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 **Figure 3** and **Attachment B** will be digitally transmitted with this document when it is submitted. Each of the feature types are described below.

4.1 Seasonal Wetland

Two small seasonal wetlands occur within the Study Area. Seasonal wetlands are depressional wetlands that pond water seasonally. The seasonal wetlands within the Study Area are largely dominated by low manna grass (*Glyceria declinata*), pennyroyal (*Mentha pulegium*), and hyssop loosestrife (*Lythrum hyssopifolia*).

DP-10 was collected within one of the seasonal wetlands. Wetland hydrology indicators at DP-10 included aquatic invertebrates, oxidized rhizospheres along living roots, and the presence of biotic crust. Soils were considered hydric based on the presence of Field Indicators F6 (Redox Dark Surface).

4.2 Seasonal Wetland Swale

The Study Area supports four seasonal wetland swales. Seasonal wetland swales are sloping, linear seasonal wetlands that convey surface runoff, and may detain it for short periods of time. The dominant species occurring within the seasonal wetland swales include spiny fruit buttercup (*Ranunculus muricatus*), Carter's buttercup (*R. bonariensis*), annual blue grass (*Poa annua*), and fowl blue grass. Additional plant species common in these features within the Study Area include water chickweed (*Montia fontana*), mayweed (*Anthemis cotula*), and Bermuda grass (*Cynodon dactylon*).

DP-6 was collected within the lowest part of SWS-1 (DP-6). Three additional points were collected in a more marginal fringe area of SWS-2 (DPs 1- 3). DP-12 was collected within SWS-3. Wetland hydrology indicators at these points included soil saturation, high water table, oxidized rhizospheres along living roots, and presence of biotic crust. Soils at points above were considered hydric based on the presence of Field Indicators F3 (Depleted Matrix) and F6 (Redox Dark Surface).

4.3 Seep

Four seeps were documented within the Study Area. Seeps are areas where groundwater reaches the surface through porous soil or cracks in rock. Seeps may form small pools on level or gently rolling terrain, but generally result in seasonal or perennial soil saturation with minimal standing water and gentle flows in hilly to mountainous terrain. Three seeps were observed within the southwestern portion of the Study Area. Seep-4 is located towards the center of the Study Area. These features are dominated by rye grass (*Festuca perennis*) as well as common plant species such as Bird's-foot trefoil (*Lotus corniculatus*), pennyroyal, fowl blue grass, chicory (*Cichorium intybus*), Bermuda grass, tall fescue (*Festuca arundinacea*), Mediterranean barley (*Hordeum marinum*), Dallis grass (*Paspalum dilatatum*), and waterpepper (*Persicaria hydropiper*).

A data point was collected within the lowest part of the swale in SWS-1 (DP-6). Three additional points were collected in a more marginal fringe area of SWS-2 (DPs 1- 3). DP-12 was collected within SWS-3. Wetland hydrology indicators at these points included soil saturation, high water table, oxidized rhizospheres along living roots, and presence of biotic crust. Soils at points above were considered hydric based on the presence of Field Indicators F3 (Depleted Matrix) and F6 (Redox Dark Surface).

4.3 Intermittent Drainage

One intermittent drainage has been mapped within the Study Area (ID-1). This feature flows out of a culvert under the railroad tracks, and presumably conveys flow from west of the railroad tracks. The intermittent drainage is mostly unvegetated within the channel but supports a narrow hydrophytic fringe along the edges. Plant species within this hydrophytic fringe include tall nutsedge (*Cyperus eragrostis*), pennyroyal, needle spikerush (*Eleocharis acicularis*), rice cutgrass (*Leersia oryzoides*), and Australian rush (*Juncus usitatus*). The intermittent drainage was mapped at the OHWM, which was identified based on the extent of scour, topographic breaks, and changes in vegetation.

4.4 Perennial Drainage

Perennial drainages are streams or reaches of a stream that flows continuously during all of the calendar year as a result of ground water discharge or surface runoff. PD-1 occurs within the southwestern portion of the Study Area. Although this feature is largely unvegetated within the channel, the water surface supports floating parrot's feather (*Myriophyllum aquaticum*), and waterpepper, pennyroyal, and low manna grass fringe the edges. The perennial drainage was mapped at the OHWM, which was identified based on the extent of scour, topographic breaks, and changes in vegetation.

4.5 Roadside Ditch

Two roadside ditches run along the eastern edge of the Study Area, along the western edge of Delmar Avenue. The roadside ditches serve to convey stormwater runoff from the road into Antelope Creek to the south. These features are almost entirely unvegetated due to the scouring effects of water flow. These features were mapped at the OHWM, which was identified based on the extent of scour.

5.0 CONCLUSION

The applicant is requesting verification of the Aquatic Resources Delineation Map of the Study Area included in **Attachment B**. A JD request form is provided in **Attachment D**.

6.0 REFERENCES

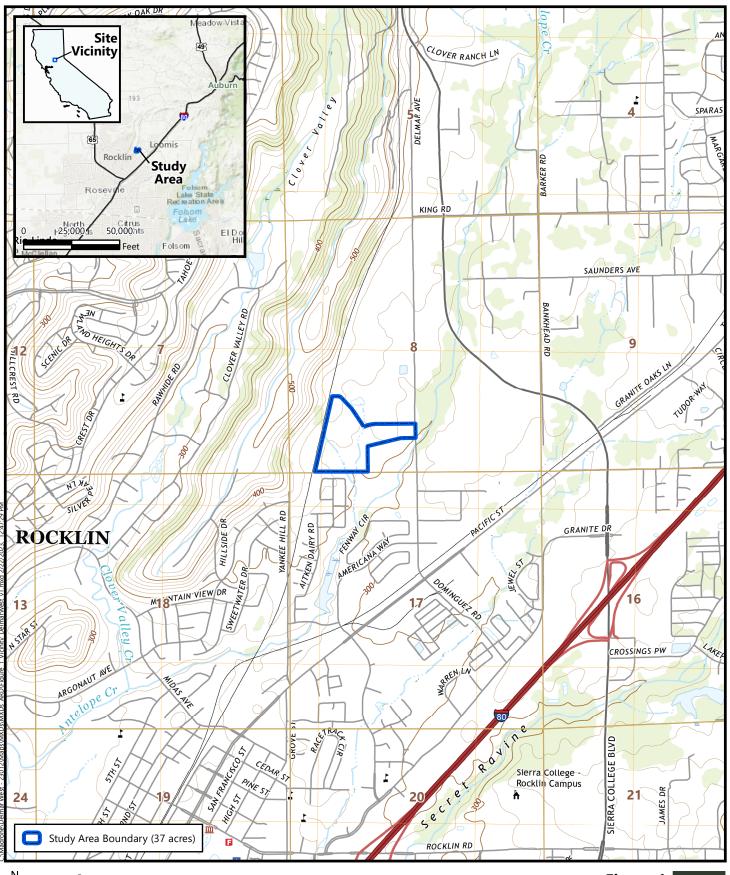
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Figures

Figure 1. Site and Vicinity

Figure 2. Natural Resources Conservation Service Soils

Figure 3. Aquatic Resources





Source: United States Geologic Survey, 2021. Section 8, Township 11 North, Range 7 East, MDB&M "Rocklin" California 7.5-Minute Topographic Quadrangle Longitude -121.223958, Latitude 38.812186

Figure 1







Figure 2 Natural Resources Conservation Service Soils

MADRONE ECOLOGICAL CONSULTING

Soil Survey Source: *USDA*, *Soil Conservation Service*. *Soil Survey Geographic* (SSURGO) database for Placer County, California, Western Part Aerial Source: Maxar, 26 April 2022.

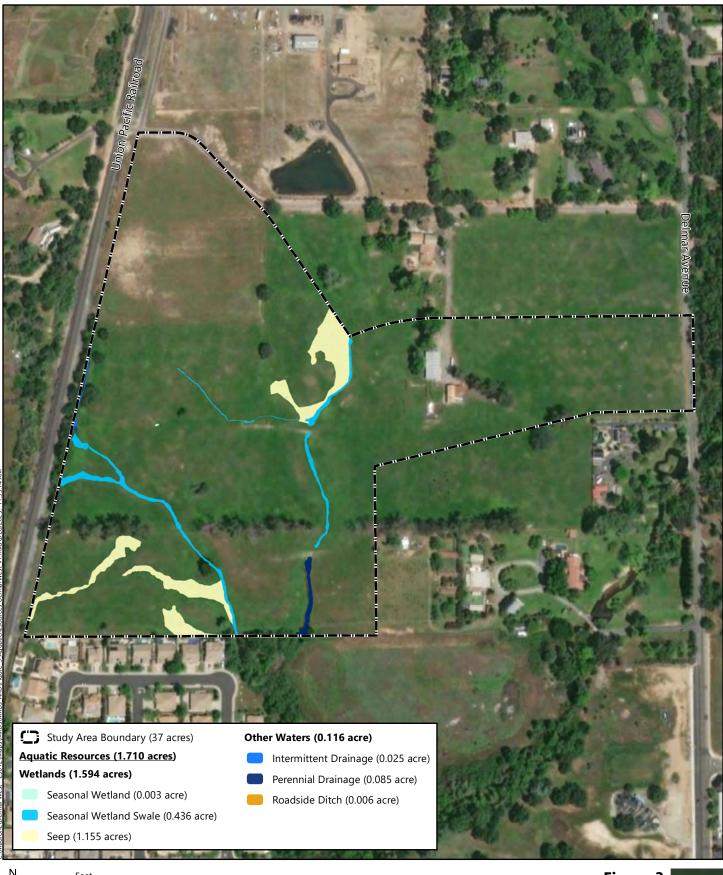




Figure 3 Aquatic Resources



Attachments

Attachment A. Arid West Wetland Determination Data Forms

Attachment B. Aquatic Resources Delineation Map

Attachment C. Plant Species Observed within the Study Area

Attachment D. JD Request Form

Attachment A

Arid West Wetland Determination Data Forms

Project/Site:	Delmar West			City/County:	Rocklin				Sam	ipling Da	te:	04/25/23
Applicant/Owner:	Building Engineerin	ig and Managem	ent, Inc.				_	CA	Sam	pling Po	int: DP1	
Investigator(s):	Daria Snider			Section	n, Township	, Range:	Section	8,Townsh	ip 11 No	rth, Ranç	ge 7 East	
Landform (hillslop	e, terrace, etc.):	Topographic sv	wale	Local re	elief (concav	e, convex,	none):	Concave			Slope (%):	2-5
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¹ Type: C=C	oncentration, D=Deplet	ion, RM=R	educed Mat	rix, CS=C	overed or	Coated Sar	nd Grains	s. ² Location: PL=F	Pore Lining, M=Matrix	<u>ζ</u>
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Remarks:										

Project/Site:	Delmar West			City/County:	Rocklin				_ Sar	npling Date	э:	04/25/23
Applicant/Owner:	Building Engineeri	ng and Managem	ent, Inc.				State:	CA	Sar	npling Poin	nt: DP2	
Investigator(s):	Daria Snider			Section	n, Township	, Range:	Section	8,Townsh	_ iip 11 No	orth, Range	e 7 East	
Landform (hillslop	oe, terrace, etc.):	Topographic s	wale	– Local re	elief (concav	e, convex	(, none):	Concave		S	lope (%):	2-5
Subregion (LRR):	: Mediterranean Cal	ifornia (LRR C)	Lat:	 '	,					2246078	. , ,	: NAD 83
Soil Map Unit Nar	me: 106 - Andre	egg coarse sandy						ssification:				
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3			400				Probler	matic Hydro	ophytic \	/egetation	(Explain)
			100	=Total Cover	r							
	tratum (Plot size: _	,						dric soil an ss disturbe		d hydrolog	jy must	
						be prese	ent, unies	ss disturbe	a or pro	Diematic.		
2						Hydrop						
0/ D	dia 11-2 00 1	•	0/ 0 5	=Total Cover		Vegetat			V .	v	NI.	
	d in Herb Stratum	0	% Cover of	Biotic Crust	0	Present	!?		Yes_	<u> </u>	No	
Remarks:												

Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 0-2 10YR 3/2 100 sandy loam sandy clay loam 2-6 7.5YR 3/1 90 7.5YR 3/4 10 C PL sandy clay loam	
0-2 10YR 3/2 100 sandy loam	
2-6 7.5YR 3/1 90 7.5YR 3/4 10 C PL sandy clay loam	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :	
Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C)	
Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B)	
Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18)	
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2)	
Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks)	
1 cm Muck (A9) (LRR D) X Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	
Thick Dark Surface (A12) Redox Depressions (F8) 3Indicators of hydrophytic vegetation	n and
Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be prese	
Sandy Gleyed Matrix (S4) unless disturbed or problematic	
Restrictive Layer (if present):	
Type:	
Depth (inches): Hydric Soil Present? Yes X	No
Remarks:	
Tomano.	
HYDROLOGY	
HYDROLOGY Wetland Hydrology Indicators:	
	equired)
Wetland Hydrology Indicators:	
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required))
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more regulated) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine)	verine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more regulators) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) X Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine)	verine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more regions) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) X Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)	verine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more regarded) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) X Saturation (A3) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) X Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2)	verine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more regions of the property of the pr	perine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more regiment of the property of the p	perine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more regiment of the property of the p	perine)
Wetland Hydrology Indicators:Primary Indicators (minimum of one required; check all that apply)Secondary Indicators (2 or more regions of the primary Indicators (2 or more regions)Surface Water (A1)Salt Crust (B11)Water Marks (B1) (Riverine)High Water Table (A2)Biotic Crust (B12)Sediment Deposits (B2) (Riverine)X Saturation (A3)Aquatic Invertebrates (B13)Drift Deposits (B3) (Riverine)Water Marks (B1) (Nonriverine)Hydrogen Sulfide Odor (C1)Drainage Patterns (B10)Sediment Deposits (B2) (Nonriverine)X Oxidized Rhizospheres along Living Roots (C3)Dry-Season Water Table (C2Drift Deposits (B3) (Nonriverine)Presence of Reduced Iron (C4)Crayfish Burrows (C8)Surface Soil Cracks (B6)Recent Iron Reduction in Tilled Soils (C6)Saturation Visible on Aerial Iragery (B7)Inundation Visible on Aerial Imagery (B7)Thin Muck Surface (C7)Shallow Aquitard (D3)Water-Stained Leaves (B9)Other (Explain in Remarks)FAC-Neutral Test (D5)	perine)
Wetland Hydrology Indicators:Primary Indicators (minimum of one required; check all that apply)Secondary Indicators (2 or more regarded)Surface Water (A1)Salt Crust (B11)Water Marks (B1) (Riverine)High Water Table (A2)Biotic Crust (B12)Sediment Deposits (B2) (Riverine)XSaturation (A3)Aquatic Invertebrates (B13)Drift Deposits (B3) (Riverine)Water Marks (B1) (Nonriverine)Hydrogen Sulfide Odor (C1)Drainage Patterns (B10)Sediment Deposits (B2) (Nonriverine)XOxidized Rhizospheres along Living Roots (C3)Dry-Season Water Table (C2Drift Deposits (B3) (Nonriverine)Presence of Reduced Iron (C4)Crayfish Burrows (C8)Surface Soil Cracks (B6)Recent Iron Reduction in Tilled Soils (C6)Saturation Visible on Aerial IraInundation Visible on Aerial Imagery (B7)Thin Muck Surface (C7)Shallow Aquitard (D3)Water-Stained Leaves (B9)Other (Explain in Remarks)FAC-Neutral Test (D5)	perine)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more regulators) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) A Quatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Sediment Deposits (B2) (Nonriverine) A Quatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Sediment Deposits (B2) (Nonriverine) A Quatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Sediment Deposits (B2) (Nonriverine) A Quatic Invertebrates (B13) Drift Deposits (B2) (Riverine) Sediment Deposits (B2) (Nonriverine) A Quatic Invertebrates (B13) Drift Deposits (B2) (Nonriverine) A Quatic Invertebrates (B13) Drift Deposits (B2) (Nonriverine) A Quatic Invertebrates (B13) Drift Deposits (B2) (Nonriverine) A Quatic Invertebrates (B10)	rerine) 2) magery (C9)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more regulated; check all that apply) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) X Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2 Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Irangery (B7) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes X Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes X Gincludes capillary fringe) Describe Recorded Data (rerine) 2) magery (C9)

Project/Site:	Delmar West			City/County:	Rocklin				San	npling Da	te:	04/25/23
Applicant/Owner:	Building Engineerin	ng and Manage	ement, Inc.	•			State:	CA	San	npling Po	nt: DP3	
Investigator(s):	Daria Snider			Section	n, Township	, Range:	Section	8,Townsh	_ iip 11 Nc	orth, Rang	ge 7 East	
Landform (hillslop	e, terrace, etc.):	Topographic	c swale	Local re	elief (concav	e, convex	, none):	Concave			Slope (%)	: 2-5
Subregion (LRR):	Mediterranean Calif	fornia (LRR C)	Lat:		38.8	1225613	Long:		-121.2	246253	Datun	n: <u>NAD 83</u>
Soil Map Unit Nan	ne: 106 - Andre	gg coarse san	dy loam, 2 to 9%	6 slopes			NWI Clas	ssification:	None			
Are climatic / hydr	ologic conditions on	the site typica	I for this time of	year?	Yes		No	X	(If no,	explain in	Remark	s.)
Are Vegetation	, Soil	, or Hydrolog	gy	significantly	disturbed?	Are "N	Normal C	ircumstan	_ ces" pre:	sent?	es X	No
Are Vegetation	, Soil	, or Hydrolog	gy	naturally pro	blematic?	(If nee	ded, exp	lain any ai	nswers ir	n Remark	s.)	
SUMMARY OF	F FINDINGS - A	ttach site m	nap showing	sampling	point loca	ations, t	ransec	ts, impo	rtant fo	eatures	, etc.	
Hydrophytic Vege	tation Present?	Yes X	No									
Hydric Soil Preser		Yes X	No No		mpled Area	a	Yes	Х	No			
Wetland Hydrolog		Yes X	No No	within a	Wetland?		-					
Remarks:	y 1 100011K.											
	to be an upland com - Use scientific			t a wetland. F	Rain year mu	uch wetter	than no	rmal.				
VEGETATION	- Use scientific	, ildilles of			1							
			Absolute	Dominant	Indicator			workshe				
Tree Stratum	(Plot size:)	% Cover	Species?	Status			nant Speci				
1						That Are	OBL, FA	ACW, or F	AC: _		2	(A)
2			_					Dominant				
3			_			Species	Across A	All Strata:	_	;	3	(B)
4			<u> </u>			Percent	of Domin	ant Speci	es			
			0	=Total Cover	r	That Are	OBL, FA	ACW, or F	AC:	67	' %	(A/B)
Sapling/Shrub	Stratum (Plot size: _)						x Worksh	eet:			
1						-	al % Cov				oly by:	
2						OBL spe	_	0	_x1 = _)	
3			<u> </u>			FACW s	-	10	_x2 = _		0	_
4			<u> </u>			FAC spe	_	50	_x3 = _		50	_
5						FACU sp	-	30	_ x4 = _		20	_
		2 .	0	=Total Cover	r	UPL spe	-	0	_x5 = _)	
	(Plot size: <u>1 met</u>	ier_)	0.5	.,	E4011	Column	_	90	_(A) _		90	(B)
1. Anthemis co			25	<u> X</u>	FACU	Preva	lence Inc	lex = B/A	=	3.2		
2. Poa palustris	3		30	<u> X</u>	FAC							
3. <u>Poa annua</u>				X	FAC		-	getation Ir		s:		
4. Festuca myu			_ 5		FACU	<u> </u>		nce Test i				
5. Sisymbrium			_ <u>T</u>		UPL			nce Index				
6. Persicaria sp			_ <u>T</u>		OBL			logical Ad				ting
7. Ranunculus			10		FACW			Remarks		•		
8. Trifolium cilio	olatum		_ <u>T</u>		UPL		Problem	natic Hydro	ophytic V	egetation/	ı (Explai	n)
		,	90	=Total Cover	r	1						
Woody Vine St	ratum (Plot size:)	<u> </u>					lric soil and s disturbe			gy must	
1						be prese	int, unies	s disturbe	d or proi	леттанс.		
2						Hydroph	-					
0/ 0 0	Lin Hawk Ct. t	•		=Total Cover		Vegetati			V.	v	NI.	
	l in Herb Stratum	0	% Cover of	Biotic Crust	0	Present	?		Yes_	<u>X</u>	No	
Remarks:												

Profile Des	scription: (Describe	to the d	epth need	ed to do	cument	the indica	tor or c	onfirm the abse	nce of indicators.)
Depth	Matrix			Re	edox Feat	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	 Texture		Remarks
0-2	10YR3/2	100		,				loamy sand		
2-6	7.5YR3/1	90	7.5YR3/4	4	10	С	PL	loamy sand		
¹ Type: C=C	oncentration, D=Deplet	ion, RM=R	educed Mat	rix, CS=C	overed or	Coated Sar	nd Grains	s. ² Location: PL=F	Pore Lining, M=Matrix	<u>ζ</u>
								1. 1	B. II	11.0.11.3
1	il Indicators: (Appli	cable to a	ili LKKS, ι			•			r Problematic Hy	aric Soils":
	sol (A1)			-	Redox (S	-			uck (A9) (LRR C)	
	Epipedon (A2)				d Matrix (-			uck (A10) (LRR B)	
	Histic (A3)			-	-	ineral (F1)			d Vertic (F18)	
	ogen Sulfide (A4)	\		-	-	//atrix (F2)			rent Material (TF2)	
	fied Layers (A5) (LRF	(C)			ed Matrix	-		Other (E	Explain in Remarks	5)
	Muck (A9) (LRR D)	(8.4.4)	<u>X</u>			face (F6)				
· — ·	eted Below Dark Surfa	ace (A11)				Surface (F7	()			
	Dark Surface (A12)				Depressi				, ,	ytic vegetation and
	y Mucky Mineral (S1)			vernai	Pools (F9	9)		V	vetland hydrology i	
	y Gleyed Matrix (S4)								unless disturbed	or problematic.
Restrictive	Layer (if present):									
Type:										
Depth (inch	nes):						H	lydric Soil Prese	ent?	res X No
Remarks:							ı			
HYDROLOG	v									
		·								
	ydrology Indicators		مام مام بام مس	- II 4b - 4 -				0.4		- (O av maana namuinad)
	dicators (minimum of	one requi	rea; cneck							s (2 or more required)
	ce Water (A1)				ust (B11)				_ Water Marks (E	, ,
	Water Table (A2)				Crust (B12	•			_	osits (B2) (Riverine)
	ation (A3)	- wi \				rates (B13	-		_ Drift Deposits (
	r Marks (B1) (Nonriv	•		-		e Odor (C1	•		_ Drainage Patte	, ,
	nent Deposits (B2) (N		ie) <u>X</u>				-	g Roots (C3)	_ Dry-Season Wa	
	Deposits (B3) (Nonriv	/erine)				duced Iron	` '		Crayfish Burrov	
	ce Soil Cracks (B6)		(DZ)			luction in T	illed 50	lis (C6)		ole on Aerial Imagery (C9)
	ation Visible on Aeria		(B7)		uck Surfa		`		_ Shallow Aquita	
	r-Stained Leaves (B9)		Otner (Explain ir	n Remarks)		FAC-Neutral Te	est (D5)
Field Obse										
	ater Present? Ye		No X		h (inches	· ——				
Water Tabl			No X	_ '	h (inches					V
Saturation		s <u>X</u>	No	_ Dept	h (inches): surfac	ce	Wetland Hydi	rology Present?	Yes <u>X</u> No
	apillary fringe) corded Data (stream	naline m	nitoring w	ell aeria	l nhotos	nrevious ir	enectio	ns) if available:		
Describe Nec	Bolded Data (Stream)	gauge, m	officining w	cii, acria	i priotos,	previous ii	ispectio	iis), ii avallable.		
Remarks:										

Project/Site:	Delmar West			City/County:	Rocklin			San	npling Date	»:	04/26/23
Applicant/Owner:	Building Engineerin	ng and Managem	ent, Inc.			State:	CA	San	npling Poin	t: DP4	
nvestigator(s):	Daria Snider			Section	n, Township	, Range: Sectio	n 8,Townshi	p 11 No	orth, Range	7 East	
- , ,	oe, terrace, etc.):	Terrace				re, convex, none)				ope (%):	1-3
	: Mediterranean Cali	•	Lat:				:	-121.2	218657	. , ,	NAD83
Soil Map Unit Nai		egg coarse sandy					assification:				
•	rologic conditions on				Yes	N			explain in F	Remarks)
•	· ·			•	-	Are "Normal		- '	•		•
	, Soil			naturally pro							
Are Vegetation	, Soil	, or Hydrology	-	naturally pro	blemauc?	(If needed, ex	piain any an	swers ii	Remarks	.)	
SUMMARY O	F FINDINGS - A	ttach site ma	p showing	sampling	point loca	ations, transe	cts, impoi	tant fo	eatures,	etc.	
Hydrophytic Vege	etation Present?	Yes X I	No								
Hydric Soil Prese	nt?	Yes I	No X		mpled Area	a Yes		No	X		
ູ້ Wetland Hydrolog		Yes I	No X	within a	Wetland?					_	
Remarks:			-	-							
Remarks.											
Suspect due to h	ydrophytic vegetatior	ı. Rain year much	n wetter than	normal.							
VEGETATION	- Use scientific	c names of pla	ants.								
		-	Absolute	Dominant	Indicator	Dominance Te	et workeho				
			% Cover	Species?	Status						
Tree Stratum	(Plot size:)				Number of Dom That Are OBL, I					
1								··· –	1		_(A)
2						Total Number o					
3						Species Across	All Strata:	_	2		_(B)
4				<u> </u>		Percent of Dom	inant Specie	es			
			0	=Total Cover	r	That Are OBL, I	FACW, or FA	√ C: _	50%	6	(A/B)
Sapling/Shrub	Stratum (Plot size: _)				Prevalence Inc	lex Worksh	et:			
1.						Total % Co	over of:		Multiply	y by:	
2.						OBL species	0	x1 =	0		_
3.						FACW species	45	x2 =	90		_
4.						FAC species	15	x3 =	45		_
·· 5.				-		FACU species	35	x4 =	140		_
·			0	=Total Cover		UPL species	5	 _x5 =	25		_
Herb Stratum	(Plot size:1 met	ter ² \		- Total Govel	ı	Column Totals:		_ (A)			(B)
1. Ranunculus		<u>.ei </u>)	45	Х	FACW	Prevalence Ir					_(D)
2. Anthemis co			35	- X	FACU	Frevalence ii	idex - D/A -		3.0		-
z. <u>Anthemis co</u> 3. Poa annua	nuia				FAC	Harden alay dia M		-I!4			
	do 0 0 0 0 0 0		1 <u>5</u>			Hydrophytic V	_		5:		
4. Bromus hore			<u>T</u>		FAC		nance Test is		1		
5. Capsella bu	•		<u>T</u>		FACU		lence Index				
6. Sisymbrium			5		UPL		ological Ada				ng
7. <u>Erodium mo</u>			T		UPL		n Remarks o		•	,	
8. <i>Hordeum m</i>	urinum		T		FACU	Proble	ematic Hydro	phytic \	/egetation ¹	(Explain)
			100	=Total Cover	r						
Woody Vine S	tratum (Plot size:)				1Indicators of hy	dric soil and	wetlan	d hydrolog	y must	
1.						be present, unle	ess disturbed	l or prol	olematic.		
2.						I la sel me me la séco					
				=Total Cover		Hydrophytic Vegetation					
% Bare Ground	d in Herb Stratum	0	% Cover of	Biotic Crust	0	Present?		Yes	Χı	No	
	a iii i ioib ciididiii		70 00101 01	Diotio Oract		Tresent.					
Remarks:											

nches) -12				dox Feat					
-12	Color (moist)	% Cold	or (moist)	%	Type ¹	Loc ²	Texture		Remarks
	10YR 3/2	100					sandy loam		
ivne: C=Co	ncentration, D=Depletion,	PM-Peduced N	Matrix CS-Co	vered or	Coated Sand	Graine 2	2 Location: DI =Dor	Lining M-Matrix	
						Oranis.			
_	Indicators: (Applicab	le to all LRRs			-			Problematic Hydr	ric Soils ³ :
Histos	` '	_	Sandy R	•	•			(A9) (LRR C)	
	Epipedon (A2)	_	Stripped					(A10) (LRR B)	
	Histic (A3)	_		-	ineral (F1)			/ertic (F18)	
	gen Sulfide (A4)	_		•	latrix (F2)			t Material (TF2)	
	ed Layers (A5) (LRR C)	_	Depleted		` '		Other (Exp	lain in Remarks)	
	/luck (A9) (LRR D)	_			ace (F6)				
	ed Below Dark Surface	(A11)			urface (F7)				
	Dark Surface (A12)	_	Redox D				³ Indic	ators of hydrophyti	ic vegetation and
	Mucky Mineral (S1)	_	Vernal F	ools (F9))		wet	land hydrology mu	ust be present,
	Gleyed Matrix (S4)						u	nless disturbed or	problematic.
estrictive	Layer (if present):								
ype:									
epth (inche	es):					Hyd	Iric Soil Present	? Ye	s No
etland Hy	drology Indicators:								
/etland Hy rimary Indi	rdrology Indicators: cators (minimum of one	required; che		,			Seco		2 or more required)
/etland Hy rimary Indi Surfac	rdrology Indicators: cators (minimum of one e Water (A1)	required; che	Salt Cru	st (B11)			<u>Secc</u>	Water Marks (B1) (Riverine)
/etland Hy rimary Indi Surfac High W	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2)	required; che	Salt Cru Biotic Cr	st (B11) rust (B12	•		Seco	Water Marks (B1 Sediment Deposi) (Riverine) ts (B2) (Riverine)
rimary Indi Surfac High W Satura	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2) tion (A3)	_ _ _	Salt Cru Biotic Cr Aquatic	st (B11) rust (B12 Invertebi	rates (B13)		Seco	Water Marks (B1 Sediment Deposi Drift Deposits (B3) (Riverine) ts (B2) (Riverine) B) (Riverine)
rimary Indi Surfac High W Satura Water	rdrology Indicators: icators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin		Salt Cru Biotic Cr Aquatic Hydroge	st (B11) rust (B12 Invertebi n Sulfide	rates (B13) e Odor (C1)			Water Marks (B1 Sediment Deposi Drift Deposits (B3 Drainage Pattern) (Riverine) ts (B2) (Riverine) B) (Riverine) s (B10)
rimary Indi Surfac High W Satura Water Sedime	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonr		Salt Cru Biotic Cru Aquatic Hydroge Oxidized	st (B11) rust (B12 Invertebr n Sulfide I Rhizosp	rates (B13) e Odor (C1) pheres along	_		Water Marks (B1 Sediment Deposi Drift Deposits (B3 Drainage Pattern Dry-Season Water	(Riverine) (ts (B2) (Riverine) (B) (Riverine) (B) (Riverine) (B) (B10) (C2)
rimary Indi Surfac High W Satura Water Sedime	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonriverin		Salt Cru Biotic Cr Aquatic Hydroge Oxidized	st (B11) rust (B12 Inverteb n Sulfide I Rhizos e of Red	rates (B13) e Odor (C1) pheres along luced Iron (C	(4)	Roots (C3)	Water Marks (B1 Sediment Deposi Drift Deposits (B3 Drainage Pattern: Dry-Season Wate Crayfish Burrows	(Riverine) (ts (B2) (Riverine) (B) (Riverine) (S) (Riverine) (B10) (C10) (C2)
/etland Hy rimary Indi Surfac High W Satura Water Sedime Drift De	rdrology Indicators: icators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonriverin eposits (B3) (Nonriverin e Soil Cracks (B6)	riverine)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I	st (B11) rust (B12 Invertebren Sulfide d Rhizospe of Red	rates (B13) e Odor (C1) pheres along luced Iron (C uction in Tille	(4)	Roots (C3)	Water Marks (B1 Sediment Deposi Drift Deposits (B3 Drainage Pattern Dry-Season Wate Crayfish Burrows Saturation Visible) (Riverine) ts (B2) (Riverine) B) (Riverine) s (B10) er Table (C2) (C8) e on Aerial Imagery (C9
/etland Hy rimary Indi Surfac High W Satura Water Sedime Drift De Surfac Inunda	rdrology Indicators: icators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonri eposits (B3) (Nonriverin e Soil Cracks (B6) ation Visible on Aerial Im	riverine)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I	st (B11) rust (B12 Invertebren Sulfide I Rhizospe of Red ron Red ck Surfa	rates (B13) Practice (C1) Propheres along Ruced Iron (C Ruction in Tille Ruce (C7)	(4)	Roots (C3)	Water Marks (B1 Sediment Deposit Drift Deposits (B3 Drainage Patterns Dry-Season Wate Crayfish Burrows Saturation Visible Shallow Aquitard	(Riverine) (Its (B2) (Riverine) (Its (B2) (Riverine) (Its (B2) (Riverine) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (Its (Its (Its (Its (Its (Its (Its
/etland Hy rimary Indi Surfac High W Satura Water Sedim Drift D Surfac Inunda Water-	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonri eposits (B3) (Nonriverin e Soil Cracks (B6) ation Visible on Aerial Im -Stained Leaves (B9)	riverine)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I	st (B11) rust (B12 Invertebren Sulfide I Rhizospe of Red ron Red ck Surfa	rates (B13) e Odor (C1) pheres along luced Iron (C uction in Tille	(4)	Roots (C3)	Water Marks (B1 Sediment Deposi Drift Deposits (B3 Drainage Pattern Dry-Season Wate Crayfish Burrows Saturation Visible	(Riverine) (Its (B2) (Riverine) (Its (B2) (Riverine) (Its (B2) (Riverine) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (Its (Its (Its (Its (Its (Its (Its
Vetland Hy rimary Indi Surfac High W Satura Water Sedim Drift D Surfac Inunda Water- ield Obser	rdrology Indicators: icators (minimum of one e Water (A1) Vater Table (A2) Ition (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonriverin eposits (B3) (Nonriverin e Soil Cracks (B6) Ition Visible on Aerial Im Stained Leaves (B9) rvations:	riverine)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E	st (B11) rust (B12) Inverteblen Sulfide I Rhizose e of Red ron Red ck Surfa	rates (B13) e Odor (C1) pheres along luced Iron (C uction in Tille ce (C7) Remarks)	(4)	Roots (C3)	Water Marks (B1 Sediment Deposit Drift Deposits (B3 Drainage Patterns Dry-Season Wate Crayfish Burrows Saturation Visible Shallow Aquitard	(Riverine) (Its (B2) (Riverine) (Its (B2) (Riverine) (Its (B2) (Riverine) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (Its (Its (Its (Its (Its (Its (Its
Vetland Hy rimary Indi Surfac High W Satura Water Sedime Drift De Surfac Inunda Water- ield Obser urface Wa	rdrology Indicators: icators (minimum of one e Water (A1) Vater Table (A2) Ition (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonriverin eposits (B3) (Nonriverin e Soil Cracks (B6) Ition Visible on Aerial Im Stained Leaves (B9) rvations: Iter Present? Yes	ne)ne)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebren Sulfide I Rhizospe of Red ron Red ck Surfa explain in	rates (B13) e Odor (C1) pheres along luced Iron (C uction in Tille ce (C7) Remarks)	ed Soils (Roots (C3)	Water Marks (B1 Sediment Deposit Drift Deposits (B3 Drainage Patterns Dry-Season Wate Crayfish Burrows Saturation Visible Shallow Aquitard	(Riverine) (Its (B2) (Riverine) (Its (B2) (Riverine) (Its (B2) (Riverine) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (Its (Its (Its (Its (Its (Its (Its
/etland Hy rimary Indi Surfac High W Satura Water Sedime Drift De Surfac Inunda Water- ield Obser urface Wa	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonri eposits (B3) (Nonriverin e Soil Cracks (B6) ation Visible on Aerial Im -Stained Leaves (B9) rvations: ter Present? Yes e Present? Yes	ne) ne) ne) agery (B7) No No	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebren Sulfide I Rhizosj e of Red ron Red ck Surfa (xyplain in (inches)	rates (B13) e Odor (C1) pheres along luced Iron (C uction in Tille ce (C7) Remarks)	ed Soils (Roots (C3)	Water Marks (B1 Sediment Deposit Drift Deposits (B3 Drainage Patterns Dry-Season Wate Crayfish Burrows Saturation Visible Shallow Aquitard FAC-Neutral Test	(Riverine) (ts (B2) (Riverine) (ts (B1) (Riverine) (ts (B1) (Riverine) (ts (B10) (ts (
Vetland Hy rimary Indi Surfac High W Satura Water Sedim Drift Do Surfac Inunda Water- ield Obser urface Wa Vater Table aturation F	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonriverin e Soil Cracks (B6) ation Visible on Aerial Im Stained Leaves (B9) rvations: ter Present? Present? Yes Present? Yes Present? Yes	ne)ne)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebren Sulfide I Rhizospe of Red ron Red ck Surfa explain in	rates (B13) e Odor (C1) pheres along luced Iron (C uction in Tille ce (C7) Remarks)	ed Soils (Roots (C3)	Water Marks (B1 Sediment Deposit Drift Deposits (B3 Drainage Patterns Dry-Season Wate Crayfish Burrows Saturation Visible Shallow Aquitard FAC-Neutral Test	(Riverine) (Its (B2) (Riverine) (Its (B2) (Riverine) (Its (B2) (Riverine) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (B10) (Its (Its (Its (Its (Its (Its (Its (Its
Vetland Hy rimary Indi Surfac High W Satura Water Sedim Drift Do Surfac Inunda Water- ield Obser urface Wa Vater Table aturation F ncludes ca	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonriverin e Soil Cracks (B6) ation Visible on Aerial Im Stained Leaves (B9) rvations: ter Present? Yes Present? Yes present? Yes publications on Aerial Im Stained Leaves (B9)		Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E X Depth X Depth X Depth	st (B11) rust (B12 Invertebre n Sulfide I Rhizospe of Red ron Red ck Surfa explain in (inches) (inches)	rates (B13) e Odor (C1) pheres along luced Iron (C uction in Tille ce (C7) Remarks)	:4) ed Soils (Roots (C3) (C6) Wetland Hydrol	Water Marks (B1 Sediment Deposit Drift Deposits (B3 Drainage Patterns Dry-Season Wate Crayfish Burrows Saturation Visible Shallow Aquitard FAC-Neutral Test	(Riverine) (ts (B2) (Riverine) (ts (B1) (Riverine) (ts (B1) (Riverine) (ts (B10) (ts (
Vetland Hy rimary Indi Surfac High W Satura Water Sedim Drift Do Surfac Inunda Water- Gield Obser Surface Water Table Saturation Fincludes ca	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonriverin e Soil Cracks (B6) ation Visible on Aerial Im Stained Leaves (B9) rvations: ter Present? Present? Yes Present? Yes Present? Yes		Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E X Depth X Depth X Depth	st (B11) rust (B12 Invertebre n Sulfide I Rhizospe of Red ron Red ck Surfa explain in (inches) (inches)	rates (B13) e Odor (C1) pheres along luced Iron (C uction in Tille ce (C7) Remarks)	:4) ed Soils (Roots (C3) (C6) Wetland Hydrol	Water Marks (B1 Sediment Deposit Drift Deposits (B3 Drainage Patterns Dry-Season Wate Crayfish Burrows Saturation Visible Shallow Aquitard FAC-Neutral Test	(Riverine) (ts (B2) (Riverine) (ts (B1) (Riverine) (ts (B1) (Riverine) (ts (B10) (ts (
rimary Indi Surfac High W Satura Water Sedime Drift De Surfac Inunda Water- Gield Obser Surface Wa Water Table Saturation Fincludes ca	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonriverin e Soil Cracks (B6) ation Visible on Aerial Im Stained Leaves (B9) rvations: ter Present? Yes Present? Yes present? Yes publications on Aerial Im Stained Leaves (B9)		Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E X Depth X Depth X Depth	st (B11) rust (B12 Invertebre n Sulfide I Rhizospe of Red ron Red ck Surfa explain in (inches) (inches)	rates (B13) e Odor (C1) pheres along luced Iron (C uction in Tille ce (C7) Remarks)	:4) ed Soils (Roots (C3) (C6) Wetland Hydrol	Water Marks (B1 Sediment Deposit Drift Deposits (B3 Drainage Patterns Dry-Season Wate Crayfish Burrows Saturation Visible Shallow Aquitard FAC-Neutral Test	(Riverine) (ts (B2) (Riverine) (ts (B1) (Riverine) (ts (B1) (Riverine) (ts (B10) (ts (
Vetland Hy rimary Indi Surfac High W Satura Water Sedim Drift Do Surfac Inunda Water- ield Obser urface Wa Vater Table aturation F ncludes ca scribe Reco	rdrology Indicators: cators (minimum of one e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverin ent Deposits (B2) (Nonriverin e Soil Cracks (B6) ation Visible on Aerial Im Stained Leaves (B9) rvations: ter Present? Present? Present? Yes Present? Yes pilllary fringe)	ne)nee)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E X Depth X Depth X Depth	st (B11) rust (B12 Invertebre n Sulfide I Rhizospe of Red ron Red ck Surfa explain in (inches) (inches)	rates (B13) e Odor (C1) pheres along luced Iron (C uction in Tille ce (C7) Remarks)	:4) ed Soils (Roots (C3) (C6) Wetland Hydrol	Water Marks (B1 Sediment Deposit Drift Deposits (B3 Drainage Patterns Dry-Season Wate Crayfish Burrows Saturation Visible Shallow Aquitard FAC-Neutral Test	(Riverine) (ts (B2) (Riverine) (ts (B1) (Riverine) (ts (B1) (Riverine) (ts (B10) (ts (

Project/Site:	Del Mar West			City/County:	Rocklin				_ San	npling Da	ate:	04/26/23
Applicant/Owner:	Building Engineering	ng and Managem	nent, Inc.				State:	CA	San	npling Po	int: DP5	
nvestigator(s):	Daria Snider			Sectio	n, Township	, Range:	Section	8,Townsh	_ ip 11 No	orth, Ran	ge 7 East	
_andform (hillslope	e, terrace, etc.):	Terrace		Local re	elief (concav	e, convex	(, none):	None			Slope (%):	1-3
Subregion (LRR):	Mediterranean Cali	ifornia (LRR C)	Lat:	_	38.8	1291601	Long:		-121.2	215809	Datum	: NAD83
Soil Map Unit Nam		egg coarse sandy	 v loam. 2 to 9%	6 slopes			-	ssification:				
•	ologic conditions on	•		•	Yes		No	Х	(If no.	explain i	n Remarks	.)
•	, Soil			•	disturbed?	Are "i	Normal C		- `	-	Yes X	•
Are Vegetation	, Soil			naturally pro				lain any ar				
Ū	FINDINGS - A					`		•			,	
Hydrophytic Veget	nt?	Yes	No X		ampled Area a Wetland?	a	Yes		No	х		
Wetland Hydrolog	y Present?	Yes	NoX	,								
Remarks:												
· 	of this depression and			i normai.								
			Absolute	Dominant	Indicator	Domina	nce Tes	t workshe	ot:			
T 01 1	(DL 1 :	,	% Cover	Species?	Status			nant Speci				
1 ree Stratum	(Plot size:)		· <u> </u>				ACW, or F			•	(4)
1									_		3	_(A)
2								Dominant All Strata:				(D)
3. •				. ———		Орескез	A01033 F	-tii Otiata.	_		4	_(B)
1			0					nant Specie		-	5 0/	(A/D)
				=Total Cove	Г	I nat Are) OBL, F/	ACW, or F	AC: _		5%	_(A/B)
Canling/Church (Stratum (Diet size)	,				Drevele		v Markala				
Saping/Sinub s	Stratum (Plot size: _	/						x Worksh	eet.	N 414:	برط برا	
						OBL spe	tal % Cov	0 0			ply by: 0	_
2							_	30	_x1 = _		60	=
o						FACW s	-	50	_x2 = _ x3 =		50	_
+ 5.						FACU s	-	20	_ x3 = _ _ x4 =		80 80	_
J			0	=Total Cove		UPL spe	-	20	_^ - x5 =		0	_
Herb Stratum	(Dlot size: 1 m	eter ²)		- Total Gove		-	Totals:	100	_		90	(B)
1. Ranunculus		otol)	30	Х	FACW		-	dex = B/A =				_(D)
2. Poa pratensi			20	<u>X</u>	FAC	11000	ionoo inc	dex B// (-	2.0		=
3. Poa annua	<u> </u>		30	<u>X</u>	FAC	Hydron	hytic Ve	getation In	dicator	e.		
4. Anthemis cot	tula	·	20	<u>X</u>	FACU	X	-	ance Test is		.		
5. Festuca m yu		·			FACU	$\frac{x}{x}$		ence Index				
6. <i>Matricaria dis</i>			·		FACU						de supporti	na
-		·	·					Remarks o				ng
3.		·								•	n¹ (Explain	1)
·- <u></u>		·	100	=Total Cove					, p, a.e.	· ogotatio	(=/.p/	• /
	ratum (Plot size:	· · · · · · · · · · · · · · · · · · ·		, 5 (4)				dric soil and				
2.						المراجات	hutio					
% Bare Ground	I in Herb Stratum	0		=Total Cover	0	Hydropi Vegetat Present	ion		Yes	X	No	
Remarks:				•		1						

10YR 3/2	D=Depletion, RM=Reduced I S: (Applicable to all LRR: A2) (A4) (A5) (LRR C) LRR D) Oark Surface (A11)	Matrix, CS=Covered or Coated Sand Gr s, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Indicators for Pro 1 cm Muck (A 2 cm Muck (A	oblematic Hydric Soils ³ : A9) (LRR C) A10) (LRR B)
Type: C=Concentration, Hydric Soil Indicators Histosol (A1) Histic Epipedon (Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below [Thick Dark Surfa	D=Depletion, RM=Reduced I S: (Applicable to all LRR: A2) (A4) (A5) (LRR C) LRR D) Oark Surface (A11)	s, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	rains. ² Location: PL=Pore Li Indicators for Pro 1 cm Muck (A 2 cm Muck (A Reduced Ver	oblematic Hydric Soils ³ : A9) (LRR C) A10) (LRR B)
Histosol (A1) Histic Epipedon (Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below [Thick Dark Surface	(A4) (A5) (LRR C) LRR D) Cark Surface (A11)	s, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Indicators for Pro 1 cm Muck (A 2 cm Muck (A	oblematic Hydric Soils ³ : A9) (LRR C) A10) (LRR B)
ydric Soil Indicators Histosol (A1) Histic Epipedon (Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surfac	(A4) (A5) (LRR C) LRR D) Cark Surface (A11)	s, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Indicators for Pro 1 cm Muck (A 2 cm Muck (A	oblematic Hydric Soils ³ : A9) (LRR C) A10) (LRR B)
ydric Soil Indicators Histosol (A1) Histic Epipedon (Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surfac	(A4) (A5) (LRR C) LRR D) Cark Surface (A11)	s, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Indicators for Pro 1 cm Muck (A 2 cm Muck (A	oblematic Hydric Soils ³ : A9) (LRR C) A10) (LRR B)
ydric Soil Indicators Histosol (A1) Histic Epipedon (Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surface	(A4) (A5) (LRR C) LRR D) Cark Surface (A11)	s, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Indicators for Pro 1 cm Muck (A 2 cm Muck (A	oblematic Hydric Soils ³ : A9) (LRR C) A10) (LRR B)
lydric Soil Indicators Histosol (A1) Histic Epipedon (Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surface	(A4) (A5) (LRR C) LRR D) Cark Surface (A11)	s, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Indicators for Pro 1 cm Muck (A 2 cm Muck (A	oblematic Hydric Soils ³ : A9) (LRR C) A10) (LRR B)
lydric Soil Indicators Histosol (A1) Histic Epipedon (Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surface	(A4) (A5) (LRR C) LRR D) Cark Surface (A11)	s, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Indicators for Pro 1 cm Muck (A 2 cm Muck (A	oblematic Hydric Soils ³ : A9) (LRR C) A10) (LRR B)
Hydric Soil Indicators Histosol (A1) Histic Epipedon (Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surface	(A4) (A5) (LRR C) LRR D) Cark Surface (A11)	s, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Indicators for Pro 1 cm Muck (A 2 cm Muck (A	oblematic Hydric Soils ³ : A9) (LRR C) A10) (LRR B)
Histosol (A1) Histic Epipedon (Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surface	(A4)	Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	1 cm Muck (A 2 cm Muck (A Reduced Ver	A9) (LRR C) A10) (LRR B)
Histic Epipedon (Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surfa	(A4) (A5) (LRR C) LRR D) Oark Surface (A11)	Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	2 cm Muck (A	A10) (LRR B)
Black Histic (A3) Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surfa	(A4) (A5) (LRR C) LRR D) Oark Surface (A11)	Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Reduced Ver	
Hydrogen Sulfide Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surface Sandy Mucky Mir	(A5) (LRR C)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)		tic (F18)
Stratified Layers 1 cm Muck (A9) (Depleted Below I Thick Dark Surfa Sandy Mucky Mir	(A5) (LRR C)	Depleted Matrix (F3)	Red Parent N	· -/
1 cm Muck (A9) (Depleted Below [Thick Dark Surfa Sandy Mucky Mir	LRR D) Dark Surface (A11)			Material (TF2)
Depleted Below I Thick Dark Surfa Sandy Mucky Mir	Dark Surface (A11)	DI DI- C (/E0)	Other (Explai	in in Remarks)
Thick Dark Surfa	· · · · · · · · · · · · · · · · · · ·	Redox Dark Surface (F6)		
Sandy Mucky Mir	ca (Δ12)	Depleted Dark Surface (F7)		
		Redox Depressions (F8)		ors of hydrophytic vegetation and
0 1 01 114		Vernal Pools (F9)		nd hydrology must be present,
Sandy Gleyed Ma			unle	ess disturbed or problematic.
estrictive Layer (if p	resent):			
ype:				
epth (inches):			Hydric Soil Present?	Yes NoX
DROLOGY				
etland Hydrology Ir	idicators: nimum of one required; che	ock all that apply)	Socone	dary Indicators (2 or more required)
Surface Water (A		Salt Crust (B11)		/ater Marks (B1) (Riverine)
High Water Table		Biotic Crust (B12)		ediment Deposits (B2) (Riverine)
Saturation (A3)	_	Aquatic Invertebrates (B13)		rift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)		rainage Patterns (B10)
 `	ts (B2) (Nonriverine)	Oxidized Rhizospheres along L		ry-Season Water Table (C2)
Drift Deposits (B3	_ · · · ·	Presence of Reduced Iron (C4)	· · · —	rayfish Burrows (C8)
Surface Soil Crad	· ·	Recent Iron Reduction in Tilled	•	aturation Visible on Aerial Imagery (C9
Inundation Visible	e on Aerial Imagery (B7)	Thin Muck Surface (C7)	SI	hallow Aquitard (D3)
Water-Stained Le	eaves (B9)	Other (Explain in Remarks)	F/	AC-Neutral Test (D5)
ield Observations:				
urface Water Presen	t? Yes No _	X Depth (inches):	_	
	Yes No _		_	
Vater Table Present?	Vaa Na	X Depth (inches):	_ Wetland Hydrolog	yy Present? YesNoX
aturation Present?		nucli parial electrica	vationa) if available:	
aturation Present? ncludes capillary fring	je)		ctions), it available:	
Saturation Present? includes capillary fring	je)	g well, aerial photos, previous inspe		
Vater Table Present? Saturation Present? includes capillary fring scribe Recorded Data marks:	je)	g weil, aeriai pnotos, previous inspe		

Newstigator(s) Daria Snider	Project/Site:	Delmar West			City/County:	Rocklin				_ Samı	pling Date	ə:	04/26/23
Local relief (concave, convex, none)	Applicant/Owner:	Building Engineering	ng and Manageme	nt, Inc.				State:	CA	Samı	oling Poir	ıt: DP6	
Subtregion (LRR) Mediterranean California (LRR C) Lat	Investigator(s):	Daria Snider			Section	n, Township	, Range:	Section	n 8,Townsh	nip 11 Nor	th, Range	e 7 East	
New Note N	Landform (hillslope	e, terrace, etc.):	Topographic sw	/ale	Local re	lief (concav	e, convex	k, none):	Concave		S	lope (%):	2-5
Ne climatic / hydrologic conditions on the site bytical for this time of year?	Subregion (LRR):	Mediterranean Cali	fornia (LRR C)	Lat:		38.8	1150305	Long:		-121.22	53783	Datum:	NAD83
Are Vegetation Soil or Hydrology naturally problematic? Are "Normal Circumstances" present? Yes X No No Hydrophytic Vegetation Present? Yes X No Hydrophytic Vegetation Present? Yes X No Hydrophytic Vegetation Present? Yes X No Hydros Starter Seasonal welland swale - data point taken in lowest part of the channel. Rain year much wetler than normal. **VEGETATION - Use scientific names of plants.** **VEGETATION - Use scientific names of plants	Soil Map Unit Nam	ie: 106 - Andre	gg coarse sandy l	oam, 2 to 9%	√ slopes			NWI Cla	ssification:	None			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.	Are climatic / hydro	ologic conditions on t	he site typical for	this time of y	ear?	Yes		No	X	(If no, e	xplain in	Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.	Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "l	Normal C	Circumstan	ces" pres	ent? Y	es X	No
Is the Sampled Area within a Wetland? Yes X No No Wetland Hydrology Present? Yes X No Wetland? Yes X No Yes X	Are Vegetation	, Soil	, or Hydrology		naturally pro	blematic?	(If nee	ded, exp	olain any ai	nswers in	Remarks	s.)	
Seminarian Sem	SUMMARY OF	FINDINGS - Att	tach site map	showing s	sampling p	oint loca	tions, tr	ansect	ts, impor	tant fea	tures, e	etc.	
Septing/Shrub Stratum Plot size:	Hydrophytic Veget	ation Present?	Yes X N	ln.									
VEGETATION - Use scientific names of plants. Dominant Indicator Species Status The Stratum (Plot size:				-		•	а	Yes	X	No			
VEGETATION - Use scientific names of plants. Dominant Indicator Species? Status Tate Stratum (Plot size:	•				within a	Wetland?				- ' -		_	
VEGETATION - Use scientific names of plants.		, 1 1000m.											
Absolute Species? Status Species Status Status Species Status Status Species Status Species Status Species Status Status Species					nel. Rain year	much wette	er than no	rmal.					
Tree Stratum (Plot size:	VEGETATION	- Use scientific	Tiames of plai	11.5.			1						
That Are OBL, FACW, or FAC: 2 (A)													
Total Number of Dominant Species Across All Strata: Total Number of Dominant Species Across All Strata: 3 (B)	Tree Stratum	(Plot size:)	% Cover	Species?	Status			•				
Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW of Solver of Bottocover That Are OBL, FACW or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW of Solver of Bottocover That Are OBL, FACW or FAC: 67% (A/B) Percent of Dominant Species That Are OBL, FACW of Solver of Bottocover That Are OBL, FACW of Solver of Bottocover That Are OBL, FACW or FA	1		_				That Are	OBL, F	ACVV, OF F	AC:	2		(A)
Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B)	2		_										
Sapling/Shrub Stratum (Plot size:) Prevalence Index Worksheet:	3						Species	Across	All Strata:		3		(B)
Sapling/Shrub Stratum (Plot size:)	4						Percent	of Domi	nant Speci	es			
Total % Cover of:				0	=Total Cover		That Are	OBL, F	ACW, or F	AC:	679	%	(A/B)
Total % Cover of:													
OBL species O x1 = O	Sapling/Shrub	Stratum (Plot size: _)							eet:			
FACW species 2	1						To	tal % Co	ver of:		Multipl	y by:	-
FAC species	2								0	_x1 =	0		-
FACU species 32	3				. ———								-
Note	4		_										-
Herb Stratum (Plot size: 1 meter²) 30	5						'						-
1. Poa palustris 2. Poa annua 30 X FAC 2. Poa annua 30 X FAC 30 X FAC 30 X FACU 4. Senecio vulgaris 5. Rumex sp. 5. Rumex sp. 6. Sisymbrium officinale 6. Sisymbrium officinale 7. Anthemis cotula 8. Ranunculus muricatus 9. Persicaria sp. 10. Capsella bursa-pastoris 11. Plantago lanceolata 12. Cerastium glomeratum 13. X FAC 14. Prevalence Index = B/A = 3.4 14. Prevalence Index = B/A = 3.4 15. Hydrophytic Vegetation Indicators: 15. Wyrophytic Vegetation Indicators: 16. Prevalence Index = B/A = 3.4 16. Prevalence Index = B/A = 1 16. Prevalence Index = 16 1			2 .	0	=Total Cover	•							-
2. Poa annua 30		•	ier)	20	V	EAC				_ ` '		7	(B)
3. Stellaria media 20 X FACU 4. Senecio vulgaris 5. Rumex sp. 6. Sisymbrium officinale 7. Anthemis cotula 8. Ranunculus muricatus 9. Persicaria sp. 10. Capsella bursa-pastoris 11. Plantago lanceolata 12. Cerastium glomeratum 13. To Sisymbrium officinale 14. Cover of Biotic Crust 15. Wydrophytic Vegetation Indicators: T FACU X Dominance Test is >50% Prevalence Index is ≤3.0¹ Nomrphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) 14. Plantago lanceolata 15. FACU 16. Capsella bursa-pastoris 16. Cerastium glomeratum 17. FACU 18. Problematic Hydrophytic Vegetation¹ (Explain) 19. Persicaria sp. 10. Capsella bursa-pastoris 11. Plantago lanceolata 12. Cerastium glomeratum 13. FACU 14. Hydrophytic Vegetation 15. Vegetation 16. Vegetation 17. FACU 18. Problematic Hydrophytic Vegetation 19. Present? 10. Capsella bursa-pastoris 10. Capsella bursa-pastoris 11. Plantago lanceolata 12. Cerastium glomeratum 13. FACU 14. Plantago lanceolata 15. FACU 15. Problematic Hydrophytic Vegetation 16. Vegetation 17. FACU 18. Problematic Hydrophytic Vegetation 19. Present? 19. Present? 19. Ves X No		S					Preva	lence In	dex = B/A :	=	3.4		-
T FACU X Dominance Test is >50% Rumex sp. 1 Prevalence Index is ≤3.0¹ Sisymbrium officinale 5 UPL Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Ranunculus muricatus 2 FACU Problematic Hydrophytic Vegetation¹ (Explain) Persicaria sp. 1 OBL Capsella bursa-pastoris T FACU Plantago lanceolata T FACU Present; unless disturbed or problematic. T UPL Hydrophytic Vegetation Hydrophytic Vegetation Present? Yes X No Present?		-l' -					l						
1 Prevalence Index is ≤3.0¹ Sisymbrium officinale 5 UPL Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Ranunculus muricatus 2 FACU data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Persicaria sp. 10 Capsella bursa-pastoris 11 Plantago lanceolata 12 FACU Problematic Hydrophytic Vegetation¹ (Explain) T FACU Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. T UPL Hydrophytic Vegetation T UPL Hydrophytic Vegetation Present? Yes X No					<u> </u>		· · · ·	•	·		:		
Sisymbrium officinale 5		jaris											
Anthemis cotula Ranunculus muricatus Residential Section of the Stratum of the		officinals	_		·						1		
B. Ranunculus muricatus Persicaria sp. Capsella bursa-pastoris T FACU Plantago lanceolata T FAC T UPL Mydrophytic T UPL 100 =Total Cover Bare Ground in Herb Stratum Problematic Hydrophytic Vegetation¹ (Explain) Problematic Hydrophytic Vegetation¹ (Explain) Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes X No			_		·								ng
Persicaria sp. 10. Capsella bursa-pastoris 11. Plantago lanceolata 12. Cerastium glomeratum T			_		·						•	,	
10. Capsella bursa-pastoris 11. Plantago lanceolata 12. Cerastium glomeratum 13. Bare Ground in Herb Stratum 14. Cover of Biotic Crust 15. Cover of Biotic Crust 16. Capsella bursa-pastoris 17. FAC 19. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 19. Hydrophytic Vegetation 10. Capsella bursa-pastoris 11. Plantago lanceolata 12. Cerastium glomeratum 13. UPL 14. Hydrophytic Vegetation 14. Present? 15. Yes X No								Problei	nauc nyur	opriyuc ve	getation	(Explain))
11. Plantago lanceolata T FAC be present, unless disturbed or problematic. 12. Cerastium glomeratum T UPL 100 = Total Cover % Bare Ground in Herb Stratum 0 % Cover of Biotic Crust 5 be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes X No							1, ,, ,						
12. Cerastium glomeratum T UPL 100 = Total Cover % Bare Ground in Herb Stratum 0 % Cover of Biotic Crust 5 Hydrophytic Vegetation Present? Yes X No		•					1	,			, ,	y must	
100 =Total Cover Yegetation Yes X No							be prese	ont, unic	33 disturbe	u or probi	Ciliatic.		
% Bare Ground in Herb Stratum 0 % Cover of Biotic Crust 5 Present? Yes X No	12. Cerastium g	iomeratum						-					
	0/ Dava Craus	din Harb Ctratura	0		-		_			Vaa	v	N.a	
Remarks:		a in Herb Stratum		% Cover or	Biolic Crust	<u> </u>	Present			res		NO	
	Remarks:												

Depth Matrix Redox Features Color (moist) % Type Loc Texture Remarks	Profile De	scription: (Describe	to the dept	n needed to do	cument t	he indica	tor or o	confirm the absence	of indicators.)
10	Depth	Matrix		Re	dox Feat	ures			
### Properties of the properti	(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Texture	Remarks
"Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Cowered or Coated Sand Grains. *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosco (A1) Sandy Redox, (S5) Histosco (A2) Stripped Matrix, C86) Black Histosco (A2) Stripped Matrix, C86) Black Histosco (A4) Loamy Mucky Mineral (F1) Redox Querys (A5) (LRR B) Redox Querys (A5) (LRR C) Depleted Matrix, (F2) Stratified Layers (A5) (LRR C) Depleted Both Surface (A1) Depleted Deblet Surface (F6) Depleted Both Surface (A12) Sandy Mucky Mineral (S1) Sandy Glogew Matrix (E4) Restrictive Layer (if present): Type: Depth (inches): Hydric Soil Present? Wettand hydrology Indicators: Hydric Soil Present? Hydric Soil Present? Yes X No Remarks: HYDROLOGY Wettand hydrology Indicators: Hydrogen Sulface (A1) Salt Crust (B11) Salt Crust	0-2	10YR 2/1	100					sandy loam	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histosol (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histos (A3) Loany Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loany Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) X Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Bolow Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Present? Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Hydric Soil Present? Yes X No Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) Hydrogen Sulfide (A2) X Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Presence of Reduced from (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent from Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (R7) Thin Muck Surface (F7) Shallow April (Inches): Water Table (Pasent? Yes No X Depth (inches): Water Table (Pasent? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes X No Depth (inches): Wetland Hydrolo	2-12	10YR 4/1	80 7	5YR 3/4	20	С	PL	sandy clay loam	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histosol (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histos (A3) Loany Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loany Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) X Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Bolow Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Present? Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Hydric Soil Present? Yes X No Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) Hydrogen Sulfide (A2) X Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Presence of Reduced from (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent from Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (R7) Thin Muck Surface (F7) Shallow April (Inches): Water Table (Pasent? Yes No X Depth (inches): Water Table (Pasent? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes X No Depth (inches): Wetland Hydrolo									
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Histosol (A1) Sandy Redox (S5) 1 om Muck (A9) (LRR C) Histot Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) X Depleted Matrix (F2) Red Parent Material (TF2) I cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Parent Pools (F9) Present; Sandy Gleyed Matrix (S4) Vernal Pools (F9) Present? Type: Depth (inches): Hydric Soil Present? Yes X No Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Sibiotic Crust (B12) Sediment Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Innudation Visible on Aerial Imagery (B7) Water Table (Deposits (B3) (Monriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C6) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C7) Sulface Mater Present? Yes No X Depth (inches): Water Table Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	<u> </u>						0,
Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) X Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Present? Sandy Muck (A9) (LRR D) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Vernal Pools (F9) Present? Wetland Hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inches): Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Table (A1) High Water Table (A2) X Biotic Crust (B11) Water Marks (B1) (Riverine) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B2) (Nonriverine) Hydrogen Sulfide Odor (C1) Drift Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Present? Yes No X Depth (inches): Surface Soil Cracks (B6) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Hydric So	il Indicators: (Applic	able to all L	RRs, unless of	therwise	noted.)		Indicators for Pr	oblematic Hydric Soils ³ :
Black Histic (A3)	Histo	sol (A1)		Sandy	Redox (S	5)		1 cm Muck	(A9) (LRR C)
Hydrogen Sulfide (A4)	Histic	Epipedon (A2)		Strippe	d Matrix (S6)		2 cm Muck	(A10) (LRR B)
Stratified Layers (A5) (LRR C) X Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A12) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Pools (F9) Sandy Gleyed Matrix (S4) Vernal Pools (F9) Restrictive Layer (if present): Type: Depth (inches): Hydric Soil Present? Yes X No Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Hydric Soil Present? Yes X No Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) X Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Saturation (A3) Aquatic Invertebrates (B13) Dirift Deposits (B3) (Riverine) Water Marks (B1) (Monriverine) Hydrogn Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Salalow Aquatard (D3) Water-Stained Leaves (B3) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Carried Dark Hydrology Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe)	Black	Histic (A3)		Loamy	Mucky Mi	neral (F1))	Reduced Ve	ertic (F18)
1 cm Muck (A9) (LRR D)	Hydro	ogen Sulfide (A4)		Loamy	Gleyed M	atrix (F2))	Red Parent	Material (TF2)
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type:	Strati	fied Layers (A5) (LRR	C)	X Deplete	ed Matrix ((F3)		Other (Expla	ain in Remarks)
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type:	1 cm	Muck (A9) (LRR D)	•	Redox	Dark Surfa	ace (F6)			•
Thick Dark Surface (A12) Redox Depressions (F8) Vernal Pools (F9) Redox Depressions (F8) Asandy Mucky Mineral (S1) Vernal Pools (F9) Reserve the present wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type:			ce (A11)			` '	7)		
Sandy Mucky Mineral (S1)			(/			-	,	3, ,,	
Restrictive Layer (if present): Type: Depth (inches): Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Frise Drift Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Sediment De									
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Type:									
PHYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Surface Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		Layer (ii present).							
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1)	Remarks:								
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1)									
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1)									
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1)									
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Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Sedin	nent Deposits (B2) (No	onriverine)	X Oxidize	d Rhizosp	oheres ald	ng Livii	- · · · · · · · · · · · · · · · · · · ·	
Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Drift I	Deposits (B3) (Nonrive	erine)	Presen	ce of Red	uced Iron	(C4)	(Crayfish Burrows (C8)
Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surfa	ce Soil Cracks (B6)		Recent	Iron Redu	uction in T	illed Sc	oils (C6) S	Saturation Visible on Aerial Imagery (C9)
Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Inund	ation Visible on Aerial	Imagery (B7	') Thin M	uck Surfac	ce (C7)		8	Shallow Aquitard (D3)
Surface Water Present? Yes No X Depth (inches):	Wate	r-Stained Leaves (B9)		Other (Explain in	Remarks)	F	FAC-Neutral Test (D5)
Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Field Obse	ervations:							
Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface W	ater Present? Yes	N	o X Dept	n (inches)	:			
Saturation Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								Wetland Hydrolo	gy Present? Yes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					(2)				
Remarks:	Describe Red	corded Data (stream g	auge, monit	oring well, aeria	photos, p	revious ir	nspectio	ons), if available:	
Remarks:	_								
	Remarks:								

Project/Site:	Delmar West			City/County:	Rocklin			Sa	mpling Date:	·	04/26/23
Applicant/Owner:	Building Engineeri	ng and Managem	nent, Inc.			S	State: CA	Sa	mpling Point	: <u>DP7</u>	
nvestigator(s):	Daria Snider			Sectio	n, Township	o, Range: S	Section 8,Tow	nship 11 N	lorth, Range	7 East	
andform (hillslope	e, terrace, etc.):	Hillslope		Local re	elief (concav	/e, convex, r	none): None		Slc	ppe (%):	5-10
Subregion (LRR):	Mediterranean Ca	lifornia (LRR C)	Lat:		38.8	1155304	Long:	-121.	2253429	Datum	: NAD 83
Soil Map Unit Nam	ne: 106 - Andr	egg coarse sandy	/ loam, 2 to 9	% slopes		N\	VI Classificat	tion: None	·		
Are climatic / hydro	ologic conditions on	the site typical fo	r this time of y	/ear?	Yes		No X	(If no	, explain in R	temarks	.)
Are Vegetation	, Soil	, or Hydrology	,	significantly	disturbed?	Are "No	rmal Circums	stances" pr	esent? Ye	s X	No
Are Vegetation		, or Hydrology		naturally pro			ed, explain ar				
SUMMARY OF	FINDINGS - A			-		tions, trar	nsects, im	portant f	eatures, e	tc.	
Hydrophytic Veget	ation Present?	Yes	No X	- le tho Sa	ampled Area	2					
Hydric Soil Presen	it?		No		a Wetland?		Yes	No_	X	_	
Wetland Hydrolog	y Present?	Yes X	No	_							
Remarks:				-1							
	onal wetland swale										
			Abaaluta	Daminant	Indicator	Dominono	o Toot work	ahaatı			
		_	Absolute % Cover	Dominant Species?	Indicator Status		ce Test work Dominant S				
	(Plot size:)					Dominant S DBL, FACW,				
ļ. <u> </u>				-				-	1		_(A)
2							ber of Domin				
B						Species A	cross All Stra	ita:	3		_(B)
l						Percent of	Dominant Sp	oecies			
			0	=Total Cove	er	That Are C	DBL, FACW,	or FAC:	33%	,	_(A/B)
Sapling/Shrub	Stratum (Plot size:)			<u>-</u>	Prevalenc	e Index Wor	ksheet:			
						-	% Cover of:		Multiply	by:	_
l						OBL speci	es <u>6</u>	x1 =	6		=
J						FACW spe	ecies 1	x2 =	2		=
·						FAC speci	es <u>40</u>	x3 =	120		_
5						FACU spe	cies 6		260		_
			0	=Total Cove	er	UPL speci	es <u>0</u>	x5 =	0		=
	(Plot size: 1 me	<u>eter²</u>)				Column To	otals: 11	2 (A)			_(B)
. Bromus hor	deaceus		30	X	FACU	Prevale	nce Index = E	3/A =	3.5		_
2. Festuca my	uros		30	X	FACU						
3. <u>Festuca per</u>			30	X	FAC	Hydrophy	tic Vegetatio	on Indicato	rs:		
I. <u>Mentha pule</u>	-		1		OBL		Oominance To	est is >50%)		
5. Anthemis co	otula		5		FACU	F	Prevalence In	dex is ≤3.0)1		
6. <u>Poa annua</u>			10		FAC	N	/lorphological	Adaptation	ns ¹ (Provide	supporti	ng
. Ranunculus	muricatus		1		FACW		lata in Remai		•		
B. Eleocharis a	acicularis		5		OBL	F	Problematic H	lydrophytic	Vegetation ¹	(Explain)
e. <u>Geranium d</u>	issectum		T		UPL						
10. <u>Senecio vul</u>	garis		T		FACU		of hydric soi		, ,,	/ must	
						be present	, unless distu	urbed or pro	oblematic.		
12						Hydrophy	tic				
			112	=Total Cove	er	Vegetatio					
% Bare Groun	d in Herb Stratum	0	% Cover of	Biotic Crust	0	Present?		Yes	N	loX	<u> </u>
Remarks:						1					

							onfirm the absence	
Depth	Matrix		F	edox Feat	ures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	 Texture	Remarks
0-4	10YR 3/3	90	10YR 3/4	10	C	PL	sandy loam	
4-12	10YR 4/1	90	10YR 3/4	10		PL	loamy sand	
						· -		
						-		
						-		
						-		
	<u> </u>							
1Type: C=C	oncentration, D=Depletion	n PM-Pe	duced Matrix CS-	Covered or (Coated Sar	nd Grains	² Location: DL =Dore	ining M-Matrix
Type. C=C	oncentration, D-Depletion	11, 1XIVI–1XC	duced Matrix, CO-	Covered or v	Joaled Sai	iu Grains	s. Location. FL-Fore	Litting, IVI-IVIALIA.
Hydric Soi	il Indicators: (Applica	able to al	I LRRs, unless	otherwise	noted.)		Indicators for Pr	oblematic Hydric Soils³:
Histos	sol (A1)		Sandy	Redox (S	5)		1 cm Muck (A9) (LRR C)
Histic	Epipedon (A2)		Stripp	ed Matrix (S6)		2 cm Muck (A10) (LRR B)
Black	Histic (A3)		Loam	/ Mucky Mi	neral (F1)		Reduced Ve	
Hydro	ogen Sulfide (A4)			, Gleyed M				Material (TF2)
	fied Layers (A5) (LRR	C)		ted Matrix (, ,			nin in Remarks)
	Muck (A9) (LRR D)	,		Dark Surf				,
	eted Below Dark Surfac	e (A11)		ted Dark Si	, ,	')		
	Dark Surface (A12)	(,		Depression	-	,	2	
	y Mucky Mineral (S1)			Pools (F9				ors of hydrophytic vegetation and nd hydrology must be present,
	y Gleyed Matrix (S4)				,			nd nydrology must be present, ess disturbed or problematic.
	e Layer (if present):					1		see distance of problemate.
	e Layer (ii present).							
Type:								V V
Depth (inch	nes):						lydric Soil Present?	Yes X No
Remarks:								
HYDROLOG								
HIDROLOG	v							
Wetlered II								
	lydrology Indicators:							
Primary Inc	lydrology Indicators: dicators (minimum of o	ne require						dary Indicators (2 or more required)
Primary Inc	lydrology Indicators: dicators (minimum of or ace Water (A1)	ne require	Salt C	rust (B11)			V	Vater Marks (B1) (Riverine)
Primary Inc	lydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2)	ne require	Salt C	rust (B11) Crust (B12	•		V \$	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine)
Primary Inc Surfa High X Satura	lydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ration (A3)		Salt C Biotic Aquat	rust (B11) Crust (B12 ic Invertebr	ates (B13		V S C	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine)
Primary Inc Surfa High X Satura Wate	lydrology Indicators: dicators (minimum of or ice Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriver	rine)	Salt C Biotic Aquat Hydro	rust (B11) Crust (B12 ic Invertebr gen Sulfide	rates (B13 e Odor (C	1)	V s c	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10)
Primary Inc	lydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriver ment Deposits (B2) (No	rine) onriverine	Salt C	rust (B11) Crust (B12 ic Invertebr gen Sulfide ed Rhizosp	rates (B13 e Odor (C oheres alc	l) ng Livin	V E E g Roots (C3) E	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2)
Primary Inc	lydrology Indicators: dicators (minimum of or ice Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriver	rine) onriverine	Salt C Biotic Aquat Hydro X Oxidiz Prese	rust (B11) Crust (B12 ic Invertebr gen Sulfide ed Rhizosp nce of Red	rates (B13 e Odor (C2 oheres ald uced Iron	l) ng Livin (C4)	V E E g Roots (C3) E	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) orift Deposits (B3) (Riverine) orainage Patterns (B10) ory-Season Water Table (C2) orayfish Burrows (C8)
Primary Inc Surfa High \(\text{X} \text{ Satur:} \) Wate: Sedin \(\text{Drift [} \text{I} \)	lydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriver ment Deposits (B2) (No	rine) onriverine	Salt C Biotic Aquat Hydro X Oxidiz Prese	rust (B11) Crust (B12 ic Invertebr gen Sulfide ed Rhizosp	rates (B13 e Odor (C2 oheres ald uced Iron	l) ng Livin (C4)	V E E g Roots (C3) E	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2)
Primary Inc Surfa High V X Satura Wate Sedin Drift [Surfa	lydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No	rine) onriverine erine)	Salt C	rust (B11) Crust (B12 ic Invertebr gen Sulfide ed Rhizosp nce of Red	rates (B13 e Odor (C ² oheres alc uced Iron uction in T	l) ng Livin (C4)	g Roots (C3) C	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine) orift Deposits (B3) (Riverine) orainage Patterns (B10) ory-Season Water Table (C2) orayfish Burrows (C8)
Primary Inc Surfa High \(\text{X} \) Satur: Water Sedin Drift I Surfa	dicators (minimum of or dicators (minimum of or dice Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver dice Soil Cracks (B6)	rine) onriverine erine)	Salt C Biotic Aquat Hydro X Oxidiz Prese Recer B7) Thin N	rust (B11) Crust (B12) ic Invertebr gen Sulfide ed Rhizosp nce of Red at Iron Red	rates (B13 e Odor (C ² oheres ald uced Iron uction in T ce (C7)	ng Livin (C4) illed Soi	g Roots (C3) C	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9)
Primary Inc Surfa High \(\text{X} \) Satur: Water Sedin Drift I Surfa	Industrial	rine) onriverine erine)	Salt C Biotic Aquat Hydro X Oxidiz Prese Recer B7) Thin N	rust (B11) Crust (B12) ic Invertebr gen Sulfide ed Rhizosp nce of Red at Iron Red fluck Surfac	rates (B13 e Odor (C ² oheres ald uced Iron uction in T ce (C7)	ng Livin (C4) illed Soi	g Roots (C3) C	Vater Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Rediaturation Visible on Aerial Imagery (C9) Schallow Aquitard (D3)
Primary Inc Surfa High X Satur Wate Sedin Drift I Surfa Inund Wate Field Obse	dicators (minimum of or	rine) onriverine erine)	Salt C	rust (B11) Crust (B12) ic Invertebr gen Sulfide ed Rhizosp nce of Red at Iron Red fluck Surfac	e Odor (C' obheres alc uced Iron uction in T ce (C7) Remarks	ng Livin (C4) illed Soi	g Roots (C3) C	Vater Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Rediaturation Visible on Aerial Imagery (C9) Schallow Aquitard (D3)
Primary Inc Surfa High V X Satur: Sedin Drift I Surfa Inund Water Field Obse	dicators (minimum of or	rine) onriverine orine) Imagery (Salt C	rust (B11) Crust (B12) ic Invertebr gen Sulfide ted Rhizosp nce of Red at Iron Redu fluck Surfac (Explain in	rates (B13 e Odor (C' oheres alc uced Iron uction in T ce (C7) Remarks	ng Livin (C4) illed Soi	g Roots (C3) C	Vater Marks (B1) (Riverine) Rediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Rediaturation Visible on Aerial Imagery (C9) Schallow Aquitard (D3)
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Primary Inc Surfar High V X Satur: Water Sedin Drift I Surfar Inund Water Field Obse Surface W: Water Tabl Saturation (includes co	lydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriver) ment Deposits (B2) (Nonriver) ce Soil Cracks (B6) dation Visible on Aerial or-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes	rine) enriverine erine) Imagery (Salt C	rust (B11) Crust (B12) ic Invertebr gen Sulfide led Rhizosp nce of Red at Iron Redu fluck Surfac (Explain in th (inches) th (inches)	ates (B13 Odor (C2 oheres alcouced Iron uction in Tage (C7) Remarks	ng Livin (C4) iilled Soi	g Roots (C3) C C C C C C C C S F Wetland Hydrolog	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Staturation Visible on Aerial Imagery (C9) Schallow Aquitard (D3) CAC-Neutral Test (D5)
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Project/Site:	Delmar West			City/County:	Rocklin				Sam	pling Dat	e:	04/26/23
Applicant/Owner:	Building Engineering	ng and Manageme	ent, Inc.				State: C	CA	Sam	pling Poi	nt: DP8	3
Investigator(s):	Daria Snider			Section	n, Township	, Range:	Section 8	8,Townshi	p 11 Noi	rth, Rang	e 7 Eas	t
Landform (hillslop	e, terrace, etc.):	Hillslope		_ Local re	lief (concav						lope (%): <u>5-10</u>
Subregion (LRR):	Mediterranean Cal	ifornia (LRR C)	Lat:		38.8	1163884	Long:		-121.22	252983	Datu	m: <u>NAD83</u>
Soil Map Unit Nar		egg coarse sandy				ا	NWI Class	sification:	None			
Are climatic / hydr	ologic conditions on	the site typical fo	r this time of	year?	Yes_		No_	X	(If no, e	explain in	Remark	(s.)
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "۱	Normal Cir	rcumstanc	es" pres	ent? Y	es X	No
Are Vegetation	, Soil	, or Hydrology		naturally pro	blematic?	(If nee	ded, expla	ain any an	swers in	Remark	s.)	
SUMMARY OF	FINDINGS - A	ttach site map	showing	sampling p	point loca	ations, t	ransect	s, impor	tant fe	atures,	etc.	
Hydrophytic Vege	tation Procent?	Voc. A	lo X									
Hydric Soil Preser		Yes N			mpled Area	à	Yes		No	Х		
Wetland Hydrolog			lo X	within a	Wetland?		_		- '''—		—	
Remarks:	Ty i resent:		<u> </u>									
DP higher on slop	e than DP 7; repres	entative clear upla	and area. Rai	in year much v	wetter than	normal						
VEGETATION	- Use scientific	c names of pla	ınts.									
			Absolute	Dominant	Indicator	Domina	nce Test	workshee	t:			
Tree Stratum	(Plot size:)	% Cover	Species?	Status			ant Specie				
1.		,				That Are	OBL, FA	CW, or FA	NC:	1		(A)
2.						Total Nu	mber of D	Oominant				
3.						Species	Across Al	ll Strata:		4	<u> </u>	(B)
4.						Percent	of Domina	ant Specie	s			
			0	=Total Cover		That Are	OBL, FA	CW, or FA	۱C:	25	%	(A/B)
Sapling/Shrub	Stratum (Plot size:)				Prevaler	nce Index	(Workshe	et:			
1						Tot	tal % Cove	er of:	_	Multip	ly by:	
2						OBL spe	-	0	x1 =	0)	_
3						FACW s			x2 =	40		_
4			-			FAC spe	_		x3 =	1		_
5						FACU sp	_	60	_x4 =	24		_
Horb Stratum	(Plot size:1 me	tor ²	0	=Total Cover		UPL spe	_	25	x5 =	12 42		
1. Anthemis co		<u>ter</u>)	20	X	FACU			110 ex = B/A =	(A)	3.8	.0	(B)
2. Festuca myu			30	X X	FACU	i ievai	ience mae	5X - D/A -		3.0		_
3. Hypochaeris			20	X X	UPL	Hydroni	nytic Veg	etation In	dicators			
4. Ranunculus			20	<u>X</u>	FACW	,		nce Test is				
5. Hordeum mu			10		FACU			nce Index i				
6. Sisymbrium	officinale		5		UPL		Morpholo	ogical Ada	ntations	1 (Provide	e sunno	rtina
7. Festuca pere	ennis		5		FAC			Remarks o				ung
8. Centaurea s	olstitialis		T		UPL		Problema	atic Hydro	phytic V	egetation	¹ (Expla	ıin)
9. Erodium mo	schatum		Т		UPL							
			110	=Total Cover				ic soil and			y must	
1						be prese	ent, unless	s disturbed	or prob	lematic.		
2						Hydroph	nytic					
				=Total Cover		Vegetati						
	l in Herb Stratum	0	% Cover of	Biotic Crust _	0	Present	?		Yes_		No	<u>X</u>
Remarks:												

Depth	Matri			Reu	lox Feat						
(inches)	Color (moist	<u> %</u>	Color (r	moist)	%	Type ¹	Loc ²	Texture		Remark	S
0-12	10YR 3/2	100						sandy loam			
								-			
								-			
								-			
											
	-								<u> </u>		
Гуре: С=С	ncentration, D=Dep	oletion, RM=Re	duced Matr	rix, CS=Cov	vered or (Coated San	d Grains.	² Location: PL=	Pore Lining, M=Matri	Х.	
ydric Soi	I Indicators: (Ap	plicable to al	II LRRs, u	ınless oth	erwise	noted.)		Indicators f	for Problematic Hy	/dric Soils³:	
-	sol (A1)			Sandy Re		-			/luck (A9) (LRR C)		
	Epipedon (A2)			Stripped					/luck (A10) (LRR B)	
— Black	Histic (A3)					neral (F1)			ed Vertic (F18)	•	
	gen Sulfide (A4)			-	-	atrix (F2)			arent Material (TF2)	
	ied Layers (A5) (L	.RR C)		Depleted	-				(Explain in Remarks		
	Muck (A9) (LRR [•		Redox D						,	
	ted Below Dark S	•				urface (F7))				
	Dark Surface (A1			Redox D				3,			
	، Mucky Mineral (۱			Vernal Po					ndicators of hydroph wetland hydrology		
	Gleyed Matrix (S	-			•	,			unless disturbed		
estrictive	Layer (if presen	t):									
уре:	es):		<u>—</u>				Ну	dric Soil Pres	sent?	Yes	No
Type: Depth (inch marks:	es):indicators observ	ed.					Ну	dric Soil Pres	sent?	Yes	_ No
ype: Depth (inch		ed.					Ну	dric Soil Pres	sent?	Yes	No
ype: Depth (inch marks: hydric soil	indicators observ	ed.					Ну	dric Soil Pres	sent?	Yes	_ No
ype: lepth (inch marks: hydric soil	indicators observ						Ну	dric Soil Pres	sent?	Yes	No
ype: Depth (inch marks: hydric soil	indicators observ	ors:	ed; check	all that ap	ply)		Ну		Sent?		
ype: lepth (inch marks: hydric soil DROLOG Vetland Hyrimary Ind	indicators observed by the second of the sec	ors:	ed; check	all that ap Salt Crus	,		Ну			rs (2 or more	required)
ype:	indicators observ Y ydrology Indicators (minimum	ors:	ed; check		st (B11))	Ну		Secondary Indicator	s (2 or more B1) (Riverin	required)
DROLOG Vetland Hydric Surface Surface High V	ry ydrology Indicators (minimum ce Water (A1)	ors:	ed; check	Salt Crus Biotic Cru	st (B11) ust (B12) rates (B13)			Secondary Indicator Water Marks (i	rs (2 or more B1) (Riverin osits (B2) (R	required) e) iverine)
ype: pepth (inch marks: hydric soil DROLOG Vetland Hy rimary Ind Surfac High V	ydrology Indicators (minimum ce Water (A1)	ors: of one require	ed; check	Salt Crus Biotic Cru Aquatic I	st (B11) ust (B12 nvertebr	•			Secondary Indicator Water Marks (I	rs (2 or more B1) (Riverin osits (B2) (R (B3) (Riverir	required) e) iverine)
DROLOG Vetland Hyrimary Ind Surfac High V Satura Water	y ydrology Indicate icators (minimum ce Water (A1) Water Table (A2) ation (A3)	ors: of one require riverine)		Salt Crus Biotic Cru Aquatic I Hydroger	st (B11) ust (B12 nvertebr n Sulfide	rates (B13) Odor (C1)		Secondary Indicator Water Marks (i Sediment Depo	es (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10)	required) e) iverine) ne)
ype:epth (inchest) marks: hydric soil DROLOG' Vetland Hyrimary Indest Surface High V Satura Water Sedim	y ydrology Indicate icators (minimum be Water (A1) Vater Table (A2) ation (A3)	ors: of one require riverine) (Nonriverine		Salt Crus Biotic Cru Aquatic I Hydroger Oxidized	st (B11) ust (B12 nvertebr n Sulfide Rhizosp	rates (B13) Odor (C1) ng Living		Secondary Indicator Water Marks (i Sediment Depo Drift Deposits (rs (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10) vater Table (0	required) e) iverine) ne)
DROLOG Vetland Hyrimary Ind Surfac High V Satura Water Sedim Drift D	y ydrology Indicate icators (minimum be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Non hent Deposits (B2)	ors: of one require riverine) (Nonriverine)		Salt Crus Biotic Cru Aquatic I Hydroger Oxidized Presence	st (B11) ust (B12 nvertebr n Sulfide Rhizosp	rates (B13) e Odor (C1 oheres alor) ng Living (C4)	S S S S S S S S S S S S S S S S S S S	Secondary Indicator Water Marks (I Sediment Depo Drift Deposits (I Drainage Patte	es (2 or more B1) (Riverin osits (B2) (R (B3) (Riverir erns (B10) dater Table (0	required) e) iverine) ne)
DROLOG DROLOG Wetland Hy Surfac High W Satura Water Sedim Drift D Surfac	ydrology Indicators observed icators (minimum ce Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Non leent Deposits (B2)	ors: of one require riverine) (Nonriverine) nriverine)	e)	Salt Crus Biotic Cru Aquatic I Hydroger Oxidized Presence	st (B11) ust (B12) nvertebr n Sulfide Rhizosp e of Red	rates (B13) e Odor (C1 oheres alor uced Iron (uction in Ti) ng Living (C4)	S S S S S S S S S S S S S S S S S S S	Secondary Indicator Water Marks (I Sediment Deporits (I Drainage Patte Dry-Season W Crayfish Burro	es (2 or more B1) (Riverin osits (B2) (R (B3) (Riverir erns (B10) dater Table (0 ws (C8) ble on Aerial	required) e) iverine) ne)
DROLOG Wetland Hyrimary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda	y ydrology Indicators (minimum ce Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Non ment Deposits (B2) Deposits (B3) (Non ce Soil Cracks (B6)	ors: of one require riverine) (Nonriverine nriverine) S) erial Imagery (e)	Salt Crus Biotic Cru Aquatic I Hydroger Oxidized Presence Recent Ir Thin Muc	st (B11) ust (B12) nvertebr n Sulfide Rhizosp e of Red ron Redu	rates (B13) e Odor (C1 oheres alor uced Iron (uction in Ti) ng Living (C4) Iled Soils	S S S S S S S S S S S S S S S S S S S	Secondary Indicator Water Marks (I Sediment Depo Drift Deposits (I Drainage Patte Dry-Season W Crayfish Burro Saturation Visi	s (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10) dater Table (C ws (C8) ble on Aerial ard (D3)	required) e) iverine) ne)
DROLOG' Vetland Hy Satura Water Sedim Drift D Surfac Water Sedim Drift D Surfac Water Water Water Water Water Water Water Water	y ydrology Indicators (minimum ce Water (A1) Vater Table (A2) Ation (A3) Marks (B1) (Nonent Deposits (B2) Deposits (B3) (Nonent Deposits (B3) (Nonent Deposits (B3)) Deposits (B3) (Nonent Deposits (B4)) Deposits (B4) (Nonent Deposits	ors: of one require riverine) (Nonriverine nriverine) S) erial Imagery (e)	Salt Crus Biotic Cru Aquatic I Hydroger Oxidized Presence Recent Ir Thin Muc	st (B11) ust (B12) nvertebr n Sulfide Rhizosp e of Red ron Redu	rates (B13) Poder (C1 Poheres alor Ruced Iron (Ruction in Ti Ruce (C7)) ng Living (C4) Iled Soils	S S S S S S S S S S S S S S S S S S S	Secondary Indicator Water Marks (i Sediment Depo Drift Deposits (Drainage Patte Dry-Season W Crayfish Burro Saturation Visi Shallow Aquita	s (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10) dater Table (C ws (C8) ble on Aerial ard (D3)	required) e) iverine) ne)
DROLOG DROLOG Wetland Hy Surfac High W Satura Water Sedim Drift D Surfac Unuda Water	y ydrology Indicators (minimum ce Water (A1) Vater Table (A2) Ation (A3) Marks (B1) (Nonent Deposits (B2) Deposits (B3) (Nonent Deposits (B3) (Nonent Deposits (B3)) De Soil Cracks (B6) Ation Visible on Ad-Stained Leaves (B6)	ors: of one require riverine) (Nonriverine) s) erial Imagery (e)	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	st (B11) ust (B12) nvertebr n Sulfide Rhizosp e of Red ron Redu ck Surfac xplain in	ades (B13) c Odor (C1 oheres alor uced Iron (uction in Ti ce (C7) Remarks)) ng Living (C4) Iled Soils	S S S S S S S S S S S S S S S S S S S	Secondary Indicator Water Marks (i Sediment Depo Drift Deposits (Drainage Patte Dry-Season W Crayfish Burro Saturation Visi Shallow Aquita	s (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10) dater Table (C ws (C8) ble on Aerial ard (D3)	required) e) iverine) ne)
Fype:	y ydrology Indicate icators (minimum ce Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Non ment Deposits (B2) deposits (B3) (Non ce Soil Cracks (B6 ation Visible on A6 -Stained Leaves of the Present?	ors: of one require riverine) (Nonriverine) S) erial Imagery (B9)	(B7)	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	st (B11) ust (B12 nvertebr n Sulfide Rhizosp e of Red ron Redu ck Surfac xplain in (inches)	rates (B13) c Odor (C1 cheres alor uced Iron uction in Ti ce (C7) Remarks)) ng Living (C4) Iled Soils	S S S S S S S S S S S S S S S S S S S	Secondary Indicator Water Marks (i Sediment Depo Drift Deposits (Drainage Patte Dry-Season W Crayfish Burro Saturation Visi Shallow Aquita	s (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10) dater Table (C ws (C8) ble on Aerial ard (D3)	required) e) iverine) ne)
Depth (inch marks: hydric soil DROLOG Netland Hy Primary Ind Surfac High W Satura Water Sedim Drift D Surfac Inunda Water Field Obse Surface Wa Vater Table	y ydrology Indicate icators (minimum ce Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Non ment Deposits (B2) deposits (B3) (Non ce Soil Cracks (B6 ation Visible on A6 -Stained Leaves of the Present?	ors: of one require riverine) (Nonriverine) s) erial Imagery (B9) Yes	(B7) No _X No _X	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	st (B11) ust (B12) nvertebr n Sulfide Rhizosp e of Red ron Redu ck Surfac xplain in (inches) (inches)	rates (B13) c Odor (C1 cheres alor uced Iron (uction in Ti ce (C7) Remarks)) ng Living (C4) Iled Soils	Roots (C3)	Secondary Indicator Water Marks (i Sediment Depo Drift Deposits (i Drainage Patte Dry-Season W Crayfish Burro Saturation Visi Shallow Aquita FAC-Neutral T	s (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10) dater Table (0 ws (C8) ble on Aerial ard (D3) est (D5)	required) e) iverine) ne) C2) Imagery (C
Type:	y ydrology Indicate icators (minimum ce Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Non ment Deposits (B2) deposits (B3) (Non ce Soil Cracks (B6 ation Visible on A6 -Stained Leaves of the Present?	ors: of one require riverine) (Nonriverine) s) erial Imagery (B9) Yes	(B7) No _X No _X	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	st (B11) ust (B12) nvertebr n Sulfide Rhizosp e of Red ron Redu ck Surfac xplain in (inches) (inches)	rates (B13) c Odor (C1 cheres alor uced Iron (uction in Ti ce (C7) Remarks)) ng Living (C4) Iled Soils	Roots (C3)	Secondary Indicator Water Marks (i Sediment Depo Drift Deposits (Drainage Patte Dry-Season W Crayfish Burro Saturation Visi Shallow Aquita	s (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10) dater Table (C ws (C8) ble on Aerial ard (D3)	required) e) iverine) ne) C2) Imagery (C
Type:	y ydrology Indicate icators (minimum be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Non bent Deposits (B2) deposits (B3) (No be Soil Cracks (B6 ation Visible on A6 -Stained Leaves (rvations: ater Present? Present?	ors: of one require riverine) (Nonriverine) (S) erial Imagery (B9) Yes Yes Yes	(B7) No _X No _X	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebr n Sulfide Rhizosp e of Red ron Redu ck Surfac xplain in (inches) (inches)	rates (B13) Odor (C1 Oheres alor uced Iron (uction in Ti ce (C7) Remarks)) ng Living (C4) Iled Soils	Roots (C3)	Secondary Indicator Water Marks (i Sediment Depo Drift Deposits (i Drainage Patte Dry-Season W Crayfish Burro Saturation Visi Shallow Aquita FAC-Neutral T	s (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10) dater Table (0 ws (C8) ble on Aerial ard (D3) est (D5)	required) e) iverine) ne) C2) Imagery (C
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Type:	y ydrology Indicate icators (minimum be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Non bent Deposits (B2) deposits (B3) (No be Soil Cracks (B6 ation Visible on A6 -Stained Leaves (rvations: ater Present? Present? apillary fringe)	ors: of one require riverine) (Nonriverine) (S) erial Imagery (B9) Yes Yes Yes	(B7) No _X No _X	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebr n Sulfide Rhizosp e of Red ron Redu ck Surfac xplain in (inches) (inches)	rates (B13) Odor (C1 Oheres alor uced Iron (uction in Ti ce (C7) Remarks)) ng Living (C4) Iled Soils	Roots (C3)	Secondary Indicator Water Marks (i Sediment Depo Drift Deposits (i Drainage Patte Dry-Season W Crayfish Burro Saturation Visi Shallow Aquita FAC-Neutral T	s (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10) dater Table (0 ws (C8) ble on Aerial ard (D3) est (D5)	required) e) iverine) ne) C2) Imagery (C
Type:	y ydrology Indicate icators (minimum be Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Non bent Deposits (B2) deposits (B3) (No be Soil Cracks (B6 ation Visible on A6 -Stained Leaves (rvations: ater Present? Present? apillary fringe)	ors: of one require riverine) (Nonriverine) (S) erial Imagery (189) Yes Yes Yes m gauge, more	(B7) No _X No _X	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebr n Sulfide Rhizosp e of Red ron Redu ck Surfac xplain in (inches) (inches)	rates (B13) Odor (C1 Oheres alor uced Iron (uction in Ti ce (C7) Remarks)) ng Living (C4) Iled Soils	Roots (C3)	Secondary Indicator Water Marks (i Sediment Depo Drift Deposits (i Drainage Patte Dry-Season W Crayfish Burro Saturation Visi Shallow Aquita FAC-Neutral T	s (2 or more B1) (Riverin osits (B2) (R (B3) (Riverin erns (B10) dater Table (0 ws (C8) ble on Aerial ard (D3) est (D5)	required) e) iverine) ne) C2) Imagery (C

Project/Site:	Delmar West				City/County:	Rocklin				Sar	mpling Dat	te:	04/26/23
Applicant/Owner:	pplicant/Owner: Building Engineering and Management, Inc.							State:	CA		npling Poi)
Investigator(s):	Daria Snider				Section	n, Township	, Range:	Section	8,Township		-		
Landform (hillslop	•	Hillslope	<u> </u>		_	elief (concav	-				_	Slope (%	
	Mediterranean Cali			Lat:	_		1140211	_			.225409		m: NAD83
Soil Map Unit Na				loam, 2 to 9%		00.0		_	ssification:		.220-00	Data	11. 14/1200
•	rologic conditions on	-				Yes					explain in	Domark	· · · · · · · · · · · · · · · · · · ·
	-	-				_		-					
	, Soil								ircumstance	-			NO
Are Vegetation	, Soil	, or Hyd	irology		naturally pro	biematic?	(If need	јеа, ехр	lain any ans	swers	in Remark	S.)	
SUMMARY O	F FINDINGS - A	ttach sit	te map	showing	sampling	point loca	ations, tr	ansec	ts, impor	tant f	eatures	, etc.	
Hydrophytic Vege	tation Present?	Yes	١	No X									
Hydric Soil Prese		Yes	X	No		impled Area	3	Yes		No	Х		
Wetland Hydrolog				No	within a	Wetland?		-		_			
Remarks:			<u> </u>										
Rain year much v	vetter than normal. - Use scientific		of pla										
720217411011			- Pic										
				Absolute	Dominant	Indicator	Dominan	nce Test	workshee	t:			
Tree Stratum	(Plot size:)	% Cover	Species?	Status			nant Specie				
1							That Are	OBL, FA	ACW, or FA	.C:	•	1	(A)
2.							Total Nur	mber of	Dominant	_			
3.							Species A	Across A	All Strata:		3	3	(B)
4.							Porcont c	of Domin	ant Specie	_			
· · ·				0	=Total Cover				ACW, or FA		33	3%	(A/B)
								022,	,	_		,,,	_(,,,,,
Sapling/Shrub	Stratum (Plot size:)				Prevalen	ce Inde	x Workshe	et:			
1.	`							al % Cov			Multin	oly by:	
2							OBL spec			x1 =	•)	
3				·			FACW sp	-		x2 =		<u>, </u>	_
٥. م							FAC spec	_		x3 =)5	
۰. 5							FACU spec	_		x4 =		50 50	
J				0	-Total Cava		UPL spec	-		_		25	
Llauk Otrataria	(Dist size : 4	2			=Total Cover		'	-		x5 = _			— (D)
	(Plot size:1 met	<u>.er</u>)				EACH	Column T	-		(A) _		90	(B)
1. Hordeum m				20	<u> X</u>	FACU	Prevale	ence Ind	lex = B/A =		3.9		_
2. Cerastium g				20	<u>X</u>	UPL							
3. Veronica pe				20	X	FAC			getation Inc				
4. <u>Ranunculus</u>				5		<u>UPL</u>			nce Test is				
5. Medicago lu	pulina			10		FAC		Prevale	nce Index is	s ≤3.0	1		
6. <i>Festuca aru</i>	ndinacea			10		FACU		Morpho	logical Ada	otation	s ¹ (Provid	e suppoi	rting
7. Anthemis co	tula			10		FACU			Remarks or				· ·
8. Plantago lar	ceolata			5		FAC		Problem	natic Hydro	ohytic \	Vegetation	า ¹ (Expla	in)
9. Sisymbrium	officinale			Т		UPL							
10 Senecio vulg	garis					UPL	¹ Indicator	rs of hvd	ric soil and	wetlar	nd hvdrolo	av must	
11	,								s disturbed			9,	
12													
				100	=Total Cover	<u> </u>	Hydroph	-					
% Bare Ground	d in Herb Stratum	0		% Cover of	•	0	Vegetation Present?			Yes		No	Χ
	TITTIEID Stratum			70 COVEI OI	Diotic Crust		Fieseilt	•		163			
Remarks:													

(inches)	Matrix			Redox Fea			=	
	Color (moist)	%	Color (mo	ist) %	Type ¹	Loc ²	Texture	Remarks
0-2	10YR3/2	100					loamy sand	
2-6	7.5YR3/1	90	7.5YR3/4	10	<u>C</u>	PL	loamy sand	
							_	
							_	
							_	
							_	
							_	
Type: C=C	oncentration, D=Deplet	tion DM-Do	duced Matrix	CS=Covered o	r Coatod Sa	ad Crains	2l coation: DI =Do	ro Lining M-Matriy
туре. С-С	oncentration, D-Deplet	lion, IXIVI–IXE	duced Matrix,	CS-Covered o	o Coaled Sai	iu Giallis.	Location. FL-FC	Te Lilling, M-Maurx.
-	I Indicators: (Appli	icable to al			-			Problematic Hydric Soils ³ :
	sol (A1)			andy Redox (•			ck (A9) (LRR C)
	Epipedon (A2)			ripped Matrix				ck (A10) (LRR B)
Black	Histic (A3)		Lo	amy Mucky N	Mineral (F1))		Vertic (F18)
	gen Sulfide (A4)			amy Gleyed)		ent Material (TF2)
Stratif	ied Layers (A5) (LRI	RC)	D	epleted Matrix	k (F3)		Other (Ex	rplain in Remarks)
	Muck (A9) (LRR D)			edox Dark Su	, ,			
Deple	ted Below Dark Surf	ace (A11)		epleted Dark	-	7)		
	Dark Surface (A12)			edox Depress			³ Indi	cators of hydrophytic vegetation and
	/ Mucky Mineral (S1)		V	ernal Pools (F	9)			etland hydrology must be present,
Sandy	/ Gleyed Matrix (S4)						1	unless disturbed or problematic.
Restrictive	Layer (if present):							
Гуре:								
Depth (inch	ies):					H	ydric Soil Preser	nt? Yes X No
marks:								
'DROLOG	Y							
	Y ydrology Indicators	<u> </u>						
Wetland H			ed; check all	that apply)			Sec	condary Indicators (2 or more required)
Netland H y Primary Ind	ydrology Indicators			that apply) alt Crust (B11)		Sec	condary Indicators (2 or more required) Water Marks (B1) (Riverine)
Wetland H y Primary Ind Surface	ydrology Indicators licators (minimum of		S		•		Sec	
Wetland H y Primary Ind Surfac High \	ydrology Indicators licators (minimum of ce Water (A1)		Si	alt Crust (B11	12)	3)	Sec	Water Marks (B1) (Riverine)
Wetland H Primary Ind Surfac High \ Satura	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2)	one require	Si Bi Ad	alt Crust (B11 otic Crust (B1	12) brates (B13	•	Sec	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Vetland H Primary Ind Surfac High \ Satura Water	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3)	one require	Si Bi Ai H	alt Crust (B11 otic Crust (B1 quatic Inverte	12) brates (B13 de Odor (C	1)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Vetland H Primary Ind Surfac High \ Satura Water Sedim	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3)	one require verine) Nonriverine	S: B: A: H: X: O	alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic	brates (B13 de Odor (C spheres ald	1) ong Living		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Vetland Hyprimary Ind Surface High \ Satura Water Sedim Drift C	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriv nent Deposits (B2) (N	one require verine) Nonriverine	Si S	alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic xidized Rhizo	brates (B13 de Odor (C spheres alc educed Iron	1) ong Living (C4)	Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hy Primary Ind Surfac High \ Satura Water Sedim Drift E	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriv nent Deposits (B2) (Nonriv	one require verine) Nonriverine verine)	S:	alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic xidized Rhizo resence of Re	brates (B13 de Odor (C spheres alc educed Iron duction in T	1) ong Living (C4)	Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Vetland Hyprimary Ind Surface High V Satura Water Sedim Drift E Surface Inunda	ydrology Indicators licators (minimum of ce Water (A1) Nater Table (A2) ation (A3) Marks (B1) (Nonriv nent Deposits (B2) (Nonriv ce Soil Cracks (B6)	one require verine) Nonriverine verine)		alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic xidized Rhizo resence of Recect Iron Re	brates (B13) de Odor (Cispheres alceduced Iron duction in Tace (C7)	1) ong Living (C4) Tilled Soil	Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Vetland Hyprimary Ind Surface High N Satura Water Sedim Drift E Surface Inunda	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriv nent Deposits (B2) (No Deposits (B3) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria	one require verine) Nonriverine verine)		alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic xidized Rhizo resence of Reecent Iron Reinin Muck Surf	brates (B13) de Odor (Cispheres alceduced Iron duction in Tace (C7)	1) ong Living (C4) Tilled Soil	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)
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Vetland Hyprimary Ind Surface High V Satura Water Sedim Drift D Surface Inunda Water Field Obse Surface Water Table	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriv nent Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B9) ervations: ater Present?	verine) Nonriverine verine) al Imagery (Si	alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic xidized Rhizo resence of Recent Iron Renin Muck Surfther (Explain Depth (inches Depth (inches	brates (B13) de Odor (C'spheres alceduced Iron duction in Trace (C7) in Remarks s):	1) ong Living (C4) Tilled Soil	g Roots (C3) 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)
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Primary Ind Surfac High \ Satura Water Sedim Drift E Surfac Inunda Water Field Obse Surface Water Water Tabl Saturation I (includes ca	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriv ment Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B3) rvations: ater Present? Present?	verine) Nonriverine verine) al Imagery (Si	alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic xidized Rhizo resence of Recent Iron Renin Muck Surf ther (Explain Depth (inched Depth (inched popth (inched p	brates (B13) de Odor (C'spheres alceduced Iron duction in Tiace (C7) in Remarks s): s): s):	ng Living (C4) Filled Soil	s (C6) 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 Hyprimary Ind Surface High \ Satura Water Sedim Drift D Surface Inunda Water Field Obse Surface Water Table Saturation I (includes calescribe Receivers)	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriv ment Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B3) revations: ater Present? Present? Ye apillary fringe)	verine) Nonriverine verine) al Imagery (Si	alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic xidized Rhizo resence of Recent Iron Renin Muck Surf ther (Explain Depth (inched Depth (inched popth (inched p	brates (B13) de Odor (C'spheres alceduced Iron duction in Tiace (C7) in Remarks s): s): s):	ng Living (C4) Filled Soil	s (C6) 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 Head Primary Ind Surface High Vater Sedim Drift C Surface Inunda Water Field Obse Surface Water Table Saturation I	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriv ment Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B3) revations: ater Present? Present? Ye apillary fringe)	verine) Nonriverine verine) al Imagery (Si	alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic xidized Rhizo resence of Recent Iron Renin Muck Surf ther (Explain Depth (inched Depth (inched popth (inched p	brates (B13) de Odor (C'spheres alceduced Iron duction in Tiace (C7) in Remarks s): s): s):	ng Living (C4) Filled Soil	s (C6) 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 Hyprimary Ind Surface High \ Satura Water Sedim Drift D Surface Inunda Water Field Obse Surface Water Table Saturation I (includes calescribe Receivers)	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriv ment Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B3) revations: ater Present? Present? Ye apillary fringe)	verine) Nonriverine verine) al Imagery (Si	alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic xidized Rhizo resence of Recent Iron Renin Muck Surf ther (Explain Depth (inched Depth (inched popth (inched p	brates (B13) de Odor (C'spheres alceduced Iron duction in Tiace (C7) in Remarks s): s): s):	ng Living (C4) Filled Soil	s (C6) 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 Herrimary Ind Surface High Vector Satura Water Sedim Drift D Surface Inunda Water Field Obse Surface Water Table Saturation I (includes calescribe Receivers)	ydrology Indicators licators (minimum of ce Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriv ment Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B3) revations: ater Present? Present? Ye apillary fringe)	verine) Nonriverine verine) al Imagery (Si	alt Crust (B11 otic Crust (B1 quatic Inverte ydrogen Sulfic xidized Rhizo resence of Recent Iron Renin Muck Surf ther (Explain Depth (inched Depth (inched popth (inched p	brates (B13) de Odor (C'spheres alceduced Iron duction in Tiace (C7) in Remarks s): s): s):	ng Living (C4) Filled Soil	s (C6) 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:	Delmar West			City/County:	Rocklin				Sam	npling Da	te:	04/26/23
Applicant/Owner:	: Building Engineering	ng and Managem	ent, Inc.				State:	CA	Sam	npling Poi	int: DP10	1
Investigator(s):	Daria Snider			Section	n, Township	, Range:	Section	8,Townsh	ip 11 Nc	orth, Ranç	ge 7 East	
_andform (hillslop	pe, terrace, etc.):	Hillslope		Local re	elief (concav	/e, conve	k, none):	Concave			Slope (%):	2-5
Subregion (LRR)	: Mediterranean Cal	ifornia (LRR C)	Lat:		38.8	1237272	Long:		-121.2	238959	Datum	: NAD83
Soil Map Unit Na	me: 106 - Andre	egg coarse sandy	loam, 2 to 99	6 slopes			NWI Cla	ssification:	None			
Are climatic / hyd	drologic conditions on	ո the site typical fc	r this time of	year?	Yes		No	Х	(If no,	explain in	n Remarks.	.)
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "l	Normal C	Circumstand	es" pre	sent?	res X	No
Are Vegetation	, Soil	, or Hydrology		naturally pro	blematic?	(If nee	eded, exp	olain any an	swers ir	n Remark	(s.)	
SUMMARY O	F FINDINGS – A	ttach site maرا	p showing	sampling լ	point loca	ations, t	ransec	ts, impo	rtant fo	eatures	, etc.	
Hydrophytic Vege	etation Present?	Yes X 1	No									
Hydric Soil Prese			No		mpled Area		Yes	X	No			
Vetland Hydrolo		Yes X	No	within a	Wetland?		•					
Remarks:												
SW - well defined	d depression. Rain yα	ear much wetter th	han normal.									
VEGETATION	l – Use scientifi	c names of pla	ants.									
			Absolute	Dominant	Indicator	Domina	ince Tes	t workshe	et:			
Tree Stratum	(Plot size:)	% Cover	Species?	Status			nant Specie				
1						I nat Are	e OBL, F.	ACW, or F	λC: _		1	(A)
2								Dominant				
3						Species	Across /	All Strata:	_		1	_(B)
1								nant Specie				
			0	=Total Cover		That Are	e OBL, F	ACW, or FA	4C: _	10	0%	_(A/B)
0 11 101 1	O (D	,				<u> </u>						
•	Stratum (Plot size:)						ex Worksh	eet:	N 4141.		
1. <u></u>			-			OBL spe	tal % Co	10	- <u> </u>		ply by: I 0	_
² 3.				. ———		FACW s		40	_x1 = x2 =		30	_
) 1						FAC spe		0	_^2 = 		0	_
·· 5.				. ———		FACU s	1	0	 x4 =		0	_
			0	=Total Cover		UPL spe		0	 _x5 =		0	_
Herb Stratum	(Plot size: _1 mete	er ²)				1	Totals:	50	(A)	9	90	(B)
I. Glyceria ded	,	/	40	Χ	FACW			dex = B/A =				_(-/
2. Mentha pule			10	. ———	OBL							_
	<u> </u>			-	-	Hydrop	hytic Ve	getation In	dicator	s:		
1.						X	Domina	ance Test is	3 >50%			
5.						X	Prevale	ence Index	is ≤3.0 ¹	I		
S							Morpho	ological Ada	aptations	s ¹ (Provid	le supporti	ng
'								Remarks o				
B							Probler	natic Hydro	phytic \	/egetatior	∩¹ (Explain	1)
			50	=Total Cover								
Woody Vine S	Stratum (Plot size: _)						dric soil and ss disturbed			gy must	
2.						Hydron	hydio					
			-	=Total Cover		Hydrop Vegetat						
% Bare Groun	id in Herb Stratum	50	% Cover of	Biotic Crust	10	Present			Yes	X	No	
Remarks:						1						

Profile Des	cription: (Describe t	o the dept	h needed to do	cument tl	ne indica	tor or c	onfirm the absence	of indicators.)
Depth	Matrix		Re	dox Featu	ıres			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR 2.5/1	100	_				sand	
2-8	7.5YR 3/1	95 7	7.5YR 4/6	5	С	PL	sand	
			_					
			_					
			_			<u> </u>		
¹ Type: C=Co	ncentration, D=Depletion	, RM=Redu	ced Matrix, CS=C	overed or C	oated Sar	nd Grains	Location: PL=Pore I	Lining, M=Matrix.
	1. P ((A P		DD 1				1. P	
=	Indicators: (Applica	DIE TO AII			-			oblematic Hydric Soils ³ :
Histos				Redox (S5	-			A9) (LRR C)
	Epipedon (A2)			d Matrix (S	-			A10) (LRR B)
	Histic (A3)			Mucky Mir			Reduced Ve	
	gen Sulfide (A4)	• \		Gleyed Ma				Material (TF2)
	ed Layers (A5) (LRR (•)		d Matrix (Other (Expla	ain in Remarks)
	Muck (A9) (LRR D)	- (0.44)		Dark Surfa	, ,	• \		
	ed Below Dark Surfac	e (A11)		d Dark Su	-)		
	Dark Surface (A12)			Depressio				ors of hydrophytic vegetation and
	Mucky Mineral (S1)		vernai	Pools (F9))			nd hydrology must be present,
	Gleyed Matrix (S4)						unie	ess disturbed or problematic.
	Layer (if present):							
Type:			<u> </u>					
Depth (inch	es):					1	lydric Soil Present?	Yes <u>X</u> No
Remarks:								
HYDROLOGY	(
	/drology Indicators:							
_	icators (minimum of or	e required	: check all that a	(vlaa			Secon	dary Indicators (2 or more required)
	e Water (A1)			ust (B11)				Vater Marks (B1) (Riverine)
	Vater Table (A2)			rust (B12)	١			Sediment Deposits (B2) (Riverine)
	ition (A3)		X Aquatic			3		Orift Deposits (B3) (Riverine)
	Marks (B1) (Nonriver	ine)		en Sulfide	•	•		Orainage Patterns (B10)
	ent Deposits (B2) (No	•	X Oxidize		•	-		Ory-Season Water Table (C2)
	eposits (B3) (Nonrive	•		ce of Redu		-	- · · · 	Crayfish Burrows (C8)
·	e Soil Cracks (B6)			Iron Redu				Saturation Visible on Aerial Imagery (C9)
	ation Visible on Aerial I	madery (R		ick Surfac		ilica oo	· · ·	Shallow Aquitard (D3)
	-Stained Leaves (B9)	magery (D	· —	Explain in		`		AC-Neutral Test (D5)
Field Obse					r terriar ko)	<u> </u>	AO-Nedital Test (D3)
			lo V Donti	(inches)				
			lo X Depth					
Water Table Saturation F			lo X Deptl lo X Deptl	i (inches): i (inches):			Wetland Hydrolog	gy Present? Yes X No
	pillary fringe)		ю <u>х</u> Бери	i (iiiciies).			Wetiana riyarolog	gyrresent: res_X_No
	orded Data (stream ga	uge, moni	oring well, aerial	photos, p	revious in	spectio	ns), if available:	
Remarks:								

Project/Site:	Delmar West			City/County:	Rocklin				_ Sam	pling Da	te:	04/26/23
Applicant/Owner:	Building Engineering	ng and Manageme	ent, Inc.				State:	CA	Sam	pling Po	int: DP11	
Investigator(s):	Daria Snider			Section	n, Township	, Range:	Section	8,Townsh	ip 11 No	rth, Ran	ge 7 East	
Landform (hillslop	oe, terrace, etc.):	Hillslope		Local re	elief (concav	e, convex,	none):	None			Slope (%):	2-5
Subregion (LRR):	Mediterranean Cali	ifornia (LRR C)	Lat:		38.	.8123526	Long:		-121.2	239211	Datum	: NAD83
Soil Map Unit Nar	me: <u>106 - Andre</u>	egg coarse sandy	loam, 2 to 9%	6 slopes		N	WI Clas	ssification:	None			
Are climatic / hyd	rologic conditions on	the site typical fo	or this time of	year?	Yes		No	Х	(If no,	explain ir	n Remarks	.)
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "No	ormal C	ircumstand	ces" pres	sent? `	Yes X	No
Are Vegetation	, Soil	, or Hydrology		naturally pro	blematic?	(If need	ed, exp	lain any ar	nswers ir	ı Remark	(s.)	
SUMMARY O	F FINDINGS – A	ttach site map	showing	sampling _l	point loca	ations, tr	ansec	ts, impo	rtant fe	atures	, etc.	
Hydrophytic Vege	etation Present?	Yes X	No	le the Sa	ampled Area	a						
Hydric Soil Prese	nt?		No		Wetland?		Yes	Х	No_			
Wetland Hydrolog	gy Present?	Yes X	No									
Remarks:												
	Rain year much wet		ante									
VEGETATION	- Ose scientino	, maines or pie										
			Absolute % Cover	Dominant Species?	Indicator Status			t workshe				
Tree Stratum	(Plot size:)	70 COVE	Opecies:	Otatus			nant Speci ACW, or F				
1											2	_(A)
2								Dominant				
3						Species F	ACIOSS /	All Strata:	_		2	_(B)
4								nant Specie			-01	(* (5)
			0	=Total Cover	ŗ	That Are	OBL, F	ACW, or F	AC:	10	0%	_(A/B)
Conling/Chrub	Stratum (Plot size:	`				Brovolon	oo Indo	x Worksh	oot:			
3apiirig/3rirub	Stratum (Fiot size.	/					il % Cov		eet.	Multi	oly by:	
2.						OBL spec		0	x1 =		0 0	-
 3.			-			FACW sp		45	x2 =		00	_
4			-			FAC spec		30	x3 =		00	-
·· 5.			-			FACU spe		20	 x4 =		30	_
·			0	=Total Cover	r	UPL spec		10	 x5 =		50	_
Herb Stratum	(Plot size: _1 mete	er ²)				Column T			(A)		10	(B)
1. Glyceria dec			30	Χ	FACW			dex = B/A =				_ ` '
2. Poa annua			30	X	FAC							_
3. Ranunculus	muricatus		15		FACW	Hydroph	ytic Ve	getation In	dicator	s:		
4. Anthemis co	tula		15		FACU	X	Domina	- ance Test is	s >50%			
5. Festuca myt	uros		5		FACU	X	Prevale	ence Index	is ≤3.0 ¹			
6. Cerastium g	lomeratum		5		UPL		Morpho	ological Ada	aptations	s ¹ (Provic	le supporti	na
7. Erodium mo	schatum		5		UPL			Remarks o				5
8.							Problen	natic Hydro	phytic V	'egetation	n ¹ (Explain)
			105	=Total Cover	r							
-	tratum (Plot size: _)						dric soil and			gy must	
1						be preser	nt, unles	ss disturbe	d or prob	olematic.		
2						Hydrophy	ytic					
				=Total Cover		Vegetation	n					
% Bare Ground	d in Herb Stratum	0	% Cover of	Biotic Crust	0	Present?			Yes_	<u>X</u>	No	
Remarks:												
% Bare Ground Remarks:	a in Herb Stratum	0	% Cover of	Biotic Crust _	0	Present?			Yes_		NO	

Profile De	scription: (Describe	to the depth n	eeded to do	cument th	ne indicat	tor or co	onfirm the ab	sence of ind	icators.)	
Depth	Matrix		Re	edox Featu	ıres		_			
(inches)	Color (moist)	%Cd	olor (moist)	%	Type ¹	Loc ²	Textur	re	R	emarks
0-5	7.5YR 3/2	90 7.5	'R 3/3	10		PL	sandy loai	m		
5-10	7.5YR 4/2	95 7.5	'R 3/4	5		PL	sand			
							_			
	-									
¹ Type: C=C	Concentration, D=Depletion	n, RM=Reduce	Matrix, CS=0	Covered or	Coated Sa	and Grain	s. ² Location:	PL=Pore Linin	g, M=Matrix.	
Hydric So	il Indicators: (Applic	able to all I Di	Pe unlose o	thorwise r	noted)		Indicators	e for Problem	natic Hydric S	Poils ³ :
-	il Indicators: (Applications)	able to all LKr			-					olis .
	` '			Redox (S5	•			n Muck (A9) (I Nuck (A10)		
	Epipedon (A2)			ed Matrix (S				n Muck (A10)		
	(Histic (A3)			Mucky Mir				uced Vertic (F	•	
	ogen Sulfide (A4)			Gleyed Ma				Parent Mater		
	fied Layers (A5) (LRR	C)		ed Matrix (I	•		Othe	er (Explain in l	Remarks)	
	Muck (A9) (LRR D)			Dark Surfa						
	eted Below Dark Surfac	e (A11)		ed Dark Su	•	')				
	Dark Surface (A12)			Depressio				3Indicators of	hydrophytic v	egetation and
Sand	y Mucky Mineral (S1)		Vernal	Pools (F9))			-	drology must l	•
Sand	y Gleyed Matrix (S4)							unless di	sturbed or pro	blematic.
Restrictive	e Layer (if present):									
Type:										
Depth (incl	hes):					H	lydric Soil Pr	esent?	Yes	X No
Remarks:										
WBB01 00										
HYDROLOG										
	lydrology Indicators:								" , (0	
	dicators (minimum of o	ne required; ch								r more required)
	ice Water (A1)			ust (B11)					Marks (B1) (R	•
High	Water Table (A2)		Biotic C	Crust (B12))			Sedim	ent Deposits (B2) (Riverine)
Satur	ration (A3)		Aquatio	c Invertebra	ates (B13)		Drift De	eposits (B3) (F	Riverine)
Wate	er Marks (B1) (Nonrive	rine)	Hydrog	jen Sulfide	Odor (C1	1)		Draina	ge Patterns (E	310)
Sedir	ment Deposits (B2) (No	onriverine)	X Oxidize	ed Rhizosp	heres alo	ng Livin	g Roots (C3)	Dry-Se	ason Water T	able (C2)
Drift [Deposits (B3) (Nonrive	rine)	Presen	ice of Redu	uced Iron	(C4)		Crayfis	h Burrows (C	3)
Surfa	ice Soil Cracks (B6)		Recent	t Iron Redu	ction in T	illed Soi	ils (C6)	Satura	tion Visible on	Aerial Imagery (C9)
Inund	lation Visible on Aerial	Imagery (B7)	Thin M	uck Surfac	e (C7)			Shallov	w Aquitard (D3	3)
Wate	er-Stained Leaves (B9)		Other (Explain in	Remarks)		FAC-N	eutral Test (D	5)
Field Obse	ervations:					,			•	,
	ater Present? Yes	. No	X Dept	th (inches):	:					
	le Present? Yes			th (inches):						
Saturation				th (inches):			Wetland H	lydrology Pre	esent? Y	es X No
	apillary fringe)			(., 0.09,		<u></u>
•	corded Data (stream ga	auge, monitorir	ng well, aeria	l photos, p	revious in	spection	ns), if available	e:		
Remarks:										

Project/Site:	Delmar West			City/County:	Rocklin			Samp	ling Date:		04/26/23
Applicant/Owner:	Building Engineering	ng and Managem	ent, Inc.			State:	CA	Samp	ling Point:	DP12	
Investigator(s):	Daria Snider			Section	n, Township	, Range: Sectio	n 8,Townshi	p 11 Nort	h, Range ī	7 East	
Landform (hillslop	e, terrace, etc.):			Local re	elief (concav	e, convex, none)	:		Slop	oe (%):	
Subregion (LRR):	Mediterranean Cali	ifornia (LRR C)	Lat:		38.8	1222429 Long	:	-121.223	35591	Datum:	NAD83
Soil Map Unit Nan	ne: 106 - Andre	egg coarse sandy	loam, 2 to 9%	6 slopes		NWI Cla	assification:				
Are climatic / hydr	ologic conditions on	the site typical fo	or this time of	year?	Yes	No	X	(If no, ex	plain in Re	emarks.)	
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "Normal	Circumstand	es" prese	nt? Yes	X	No
Are Vegetation	, Soil	, or Hydrology		naturally pro	blematic?	(If needed, ex	plain any an	swers in I	Remarks.)		
SUMMARY OF	FINDINGS - A	ttach site map	showing	sampling	point loca	itions, transe	cts, impor	tant fea	itures, e	tc.	
Hydrophytic Vege			No	Is the Sa	mpled Are	a					
Hydric Soil Preser			No		Wetland?	Yes	X	No		_	
Wetland Hydrolog	y Present?	Yes X	No								
Remarks:											
	wetland. Rain year n										
			Absolute	Dominant	Indicator	Dominance Te	et workeho	at·			
T Ot	(DI-4 - i	`	% Cover		Status	Number of Dom					
1.	(Plot size:)				That Are OBL, I			1		(A)
2.						Total Number o	f Dominant		- '		(A)
3.			-		-	Species Across			1		(B)
4.						Davaget of Dave	inant Chasis		•		(5)
			0	=Total Cover		Percent of Dom That Are OBL, F			100%		(A/B)
						ŕ	,				,
Sapling/Shrub	Stratum (Plot size:)				Prevalence Ind	ex Worksho	et:			
1						Total % Co	over of:		Multiply	by:	
2						OBL species	90	x1 =	90		
3						FACW species	0	x2 =	0		
4						FAC species	5	x3 =	15		
5						FACU species		_x4 =	20		
		2 .	0	=Total Cover	r	UPL species	0	_x5 =			
	(Plot size: _1 mete	<u>er-</u>)	00	V	OBL	Column Totals:		_(A)	125		(B)
1. Nasturtium o			<u>90</u> 5	X	OBL FACU	Prevalence Ir	ndex = B/A =		1.3		
2. <u>Anthemis co</u> 3. Poa a nnua	luia		<u>5</u>		FAC	Hydrophytic Ve	anatation In	diaatara			
4. Ranunculus	muricatus				FACW		ance Test is				
5. Rumex crisp			_		FAC		ence Index i				
6.	<u></u>						ological Ada		(Drovido o	unnortin	~
7.							n Remarks o				g
8.							matic Hydro			,	
			100	=Total Cover			,	. ,		. ,	
Woody Vine St	ratum (Plot size:)				1Indicators of hy	dric soil and	wetland	hydrology	must	
1						be present, unle	ess disturbed	d or proble	ematic.		
2						Hydrophytic					
				=Total Cover	r	Vegetation					
% Bare Ground	l in Herb Stratum	0	% Cover of	Biotic Crust	0	Present?		Yes	X No		
Remarks:											

Profile De: Depth	Matrix			Re	dox Featu	ıres						
(inches)	Color (moist)	%	Color	(moist)	%	Type ¹	Loc ²	- Texture	e		Remark	ks
0-3	10YR 3/1	100		(.,,,,,		sandy loar				
3-6	7.5YR 4/1	95	7.5YR 3	3/4	5	С	M	sand		-		
										-		
							-			•		
			-				-			•		
							-					
							-					
Type: C=C	oncentration, D=Deplet	ion, RM=R	educed Ma	atrix, CS=C	overed or	Coated Sa	and Grains	s. ² Location:	PL=Pore	Lining, M=Mat	rix.	
landaia Oai	1 la dia eta ara (A a ali					41\		l	. f D		3	
-	I Indicators: (Applic	cable to a	II LKKS,		n erwise r Redox (S5	-				oblematic Hy A9) (LRR C)	aric Solis	:
	sol (A1)			_		•						
	Epipedon (A2)			_	Matrix (S					410) (LRR B)		
	Histic (A3)			_	-	neral (F1)				rtic (F18)		
	ogen Sulfide (A4)			_	-	atrix (F2)				Material (TF2)		
	fied Layers (A5) (LRF	(C)	_X	- '	d Matrix (•		Othe	er (Expla	in in Remarks	S)	
	Muck (A9) (LRR D)			_	Oark Surfa							
	ted Below Dark Surfa	ice (A11)		_		urface (F7	')					
	Dark Surface (A12)			_	Depressio			;	³ Indicato	ors of hydroph	ytic vegeta	tion and
	y Mucky Mineral (S1)			_ Vernal F	Pools (F9))				nd hydrology r		
Sand	y Gleyed Matrix (S4)								unle	ss disturbed o	or problema	atic.
Restrictive	Layer (if present):											
	Layer (if present):											
Гуре:							u,	udrio Soil Br	000nt?	,	vos Y	No
Restrictive Type: Depth (inchemarks:							H	ydric Soil Pro	esent?	,	Yes X	No
Гуре: Depth (inch							H	ydric Soil Pro	esent?	,	Yes X	No
Гуре: Depth (inch	nes):		<u></u>				н	ydric Soil Pro	esent?	,	Yes X	No
Type:	nes):						H	ydric Soil Pro	esent?	,	Yes X	No
Type:	nes):		ed; check	< all that ap	oply)		H	ydric Soil Pro		dary Indicators		
Type:	Y ydrology Indicators		ed; check		oply) st (B11)		H	ydric Soil Pro	Second		s (2 or more	e required)
DROLOG Vetland H Primary Inc X Surfa	Y ydrology Indicators dicators (minimum of		ed; check	Salt Cru)	H	ydric Soil Pro	Second W	dary Indicators	s (2 or more 31) (Riveri r	e required)
DROLOG Vetland H Primary Inc X Surfa X High	Y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2)		ed; check	Salt Cru Biotic C	st (B11) rust (B12) ates (B13		ydric Soil Pro	Second W	dary Indicators ater Marks (E	s (2 or more 31) (Riverir osits (B2) (F	e required) ne) Riverine)
DROLOG Vetland H Primary Inc X Surfa X High X Satur	Y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2)	one requir	red; check	Salt Cru Biotic Ci Aquatic	st (B11) rust (B12 Invertebr	•)	ydric Soil Pro	Second W Si	dary Indicators Vater Marks (E ediment Depc	s (2 or more 31) (Riverir osits (B2) (F B3) (Riveri	e required) ne) Riverine)
DROLOG Vetland H Primary Inc X Surfa X High X Satur Wate	y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3)	one requir erine)	_ 	Salt Cru Biotic Ci Aquatic Hydroge	st (B11) rust (B12 Invertebr en Sulfide	ates (B13 Odor (C)	ydric Soil Pro	Second W Si	dary Indicators /ater Marks (E ediment Depo rift Deposits (I	s (2 or more 31) (Riverir osits (B2) (F B3) (Riveri rns (B10)	e required) ne) Riverine) ne)
DROLOG Vetland H rimary Inc X Surfa X High X Satur Wate Sedin	y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	one requir erine) Ionriverin	_ 	Salt Cru Biotic Ci Aquatic Hydroge Oxidized	st (B11) rust (B12 Invertebren en Sulfide d Rhizosp	ates (B13 Odor (C) I) ing Living		Second W Si D D D D	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte	s (2 or more 31) (Riverir osits (B2) (F B3) (Riveri rns (B10) ater Table (e required) ne) Riverine) ne)
DROLOG Vetland H Primary Inc X Surfa X High \(^{\text{X}}\) X Satur. Wate Sedin Drift I	Y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	one requir erine) Ionriverin	_ 	Salt Cru Biotic Ci Aquatic Hydroge Oxidized	st (B11) rust (B12) Invertebra en Sulfide d Rhizospe ee of Redi	ates (B13 Odor (C ² oheres alc) I) ing Living (C4)	g Roots (C3)	Second W S D D D D C C	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov	s (2 or more 31) (Riverir osits (B2) (F B3) (Riveri rns (B10) ater Table (e required) ne) Riverine) ne)
Depth (inch marks: DROLOG Vetland H Primary Inc X Surfa X High \(^{\text{X}}\) X Satur. Wate Sedin Drift \(^{\text{C}}\) Surfa	Y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (No	one requir erine) lonriverin verine)	e)	Salt Cru Biotic Ci Aquatic Hydroge Oxidized Presend Recent	st (B11) rust (B12) Invertebra en Sulfide d Rhizospe ee of Redi	ates (B13 Odor (C´ oheres ald uced Iron uction in T) I) ing Living (C4)	g Roots (C3)	Second W S D D D D C S	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov	s (2 or more 31) (Riverir osits (B2) (F B3) (Riveri rns (B10) ater Table (vs (C8) ole on Aeria	e required) ne) Riverine) ne)
Depth (inch marks: DROLOG Vetland H Primary Inc X Surfa X High X Satur Wate Sedin Drift I Surfa Inund	y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive ment Deposits (B2) (N Deposits (B3) (Nonrive ce Soil Cracks (B6)	one requirerine) Ionriverine) Is Imagery	e)	Salt Cru Biotic Ci Aquatic Hydroge Oxidized Presence Recent I Thin Mu	st (B11) rust (B12) Invertebre en Sulfide d Rhizospe e of Redu fron Redu ck Surfac	ates (B13 Odor (C´ oheres ald uced Iron uction in T	r) I) ong Living (C4) illed Soil	g Roots (C3)	Second W Si D D D C C Si Si Si Si Si Si	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov aturation Visik	s (2 or more 31) (Riverir osits (B2) (F B3) (Riveri rns (B10) ater Table (vs (C8) ole on Aeria rd (D3)	e required) ne) Riverine) ne)
DROLOG Wetland H Primary Inc X Surfa X High X Satur Uvate Sedin Drift I Surfa Inund Wate	yydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv ment Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9)	one requirerine) Ionriverine) Is Imagery	e)	Salt Cru Biotic Ci Aquatic Hydroge Oxidized Presence Recent I Thin Mu	st (B11) rust (B12) Invertebre en Sulfide d Rhizospe e of Redu fron Redu ck Surfac	ates (B13 c Odor (C' oheres alo uced Iron uction in T ce (C7)	r) I) ong Living (C4) illed Soil	g Roots (C3)	Second W Si D D D C C Si Si Si Si Si Si	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov aturation Visit hallow Aquital	s (2 or more 31) (Riverir osits (B2) (F B3) (Riveri rns (B10) ater Table (vs (C8) ole on Aeria rd (D3)	e required) ne) Riverine) ne)
DROLOG Wetland H Primary Inc X Surfa X High X Satur Usate Sedin Drift I Surfa Inund Wate	yydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv ment Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9	erine) lonriverine verine) ul Imagery	(B7)	Salt Cru Biotic Ci Aquatic Hydroge Oxidized Presend Recent I Thin Mu Other (E	st (B11) rust (B12 Invertebre en Sulfide d Rhizosp ee of Redu iron Redu ck Surfac explain in	ates (B13 c Odor (C' oheres ald uced Iron uction in T ce (C7) Remarks) I) ing Living (C4) Tilled Soil	g Roots (C3)	Second W Si D D D C C Si Si Si Si Si Si	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov aturation Visit hallow Aquital	s (2 or more 31) (Riverir osits (B2) (F B3) (Riveri rns (B10) ater Table (vs (C8) ole on Aeria rd (D3)	e required) ne) Riverine) ne)
DROLOG Wetland H Primary Inc X Surfa X High X Satur. Unift E Sedin Inund Wate Gurface Wi	y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv ment Deposits (B2) (N Deposits (B3) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9 ervations: ater Present? Ye	erine) lonriverine erine) l Imagery)	(B7)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent I Thin Mu Other (E	st (B11) rust (B12 Invertebra en Sulfide d Rhizosp ee of Reda dron Redu ck Surfac explain in	ates (B13 c Odor (C' oheres alc uced Iron uction in T ce (C7) Remarks) I) ong Living (C4) iilled Soil	g Roots (C3)	Second W Si D D D C C Si Si Si Si Si Si	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov aturation Visit hallow Aquital	s (2 or more 31) (Riverir osits (B2) (F B3) (Riveri rns (B10) ater Table (vs (C8) ole on Aeria rd (D3)	e required) ne) Riverine) ne)
DROLOG Wetland H Primary Inc X Surfa X High X Satur. Under Sedin Drift E Surfa Inund Wate Surface W: Vater Tabl	y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv ment Deposits (B2) (N Deposits (B3) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9 ervations: ater Present? Ye le Present? Ye	erine) lonriverine ll Imagery) s X	(B7)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent I Thin Mu Other (E	st (B11) rust (B12 Invertebra en Sulfide d Rhizospae of Redu lron Redu ck Surfac explain in i (inches) i (inches)	ates (B13 Odor (C2 oheres alc uced Iron uction in Toe (C7) Remarks :1") I) ng Living (C4) Tilled Soil	g Roots (C3) s (C6)	Second W S D D D C S S F F	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov aturation Visit hallow Aquital	s (2 or more 31) (Riverir osits (B2) (R B3) (Riverir rns (B10) ater Table (vs (C8) ole on Aeria rd (D3) est (D5)	e required) ne) Riverine) ne)
Depth (inch marks: Nate and inch marks: Surfa Linund Mater Field Obse Surface W: Water Table Saturation	y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv ment Deposits (B2) (N Deposits (B3) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9 ervations: ater Present? Ye le Present? Ye	erine) Ionriverin verine) I Imagery) s X	(B7)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent I Thin Mu Other (E	st (B11) rust (B12 Invertebra en Sulfide d Rhizospae of Redu lron Redu ck Surfac explain in i (inches) i (inches)	ates (B13 c Odor (C' oheres alc uced Iron uction in T ce (C7) Remarks) I) ng Living (C4) Tilled Soil	g Roots (C3) s (C6)	Second W S D D D C S S F F	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov aturation Visit hallow Aquital AC-Neutral Te	s (2 or more 31) (Riverir osits (B2) (R B3) (Riverir rns (B10) ater Table (vs (C8) ole on Aeria rd (D3) est (D5)	e required) ne) Riverine) ne) (C2) al Imagery (C9
Depth (inch marks: Depth	yydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivenent Deposits (B2) (Nonrivenent Deposits (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yee Present? Yee	erine) Ionriverin verine) Il Imagery) Is s X X X X	(B7)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebre en Sulfide d Rhizospe er of Redu fron Redu ck Surfac explain in (inches) (inches)	ates (B13 e Odor (C') I) ng Living (C4) iilled Soil	g Roots (C3) s (C6) Wetland H	Second W Si D C Si Si Fi	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov aturation Visit hallow Aquital AC-Neutral Te	s (2 or more 31) (Riverir osits (B2) (R B3) (Riverir rns (B10) ater Table (vs (C8) ole on Aeria rd (D3) est (D5)	e required) ne) Riverine) ne) (C2) al Imagery (C9
Depth (inch marks: DROLOG Wetland H Primary Inc X Surfa X High \(^1\) Satur- Wate Sedin Drift I Surfa Inund Wate Field Obse Surface W: Water Tabl Saturation includes c scribe Rec	y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv ment Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9 ervations: ater Present? Ye le Present? Ye present? Ye apillary fringe)	erine) Ionriverin verine) Il Imagery) Is s X X X X	(B7)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebre en Sulfide d Rhizospe er of Redu fron Redu ck Surfac explain in (inches) (inches)	ates (B13 e Odor (C') I) ng Living (C4) iilled Soil	g Roots (C3) s (C6) Wetland H	Second W Si D C Si Si Fi	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov aturation Visit hallow Aquital AC-Neutral Te	s (2 or more 31) (Riverir osits (B2) (R B3) (Riverir rns (B10) ater Table (vs (C8) ole on Aeria rd (D3) est (D5)	e required) ne) Riverine) ne) (C2) al Imagery (C9
Depth (inch marks: Naten and head of the second o	y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv ment Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9 ervations: ater Present? Ye le Present? Ye present? Ye apillary fringe)	erine) Ionriverin verine) Il Imagery) Is s X X X X	(B7)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebre en Sulfide d Rhizospe er of Redu fron Redu ck Surfac explain in (inches) (inches)	ates (B13 e Odor (C') I) ng Living (C4) iilled Soil	g Roots (C3) s (C6) Wetland H	Second W Si D C Si Si Fi	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov aturation Visit hallow Aquital AC-Neutral Te	s (2 or more 31) (Riverir osits (B2) (R B3) (Riverir rns (B10) ater Table (vs (C8) ole on Aeria rd (D3) est (D5)	e required) ne) Riverine) ne) (C2) al Imagery (C9
DROLOG Wetland H Primary Inc X Surfa X High 1 X Satur Wate Sedin Drift I Surfac Vater Tabl Saturation includes c	y ydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriv ment Deposits (B2) (Nonriv ce Soil Cracks (B6) ation Visible on Aeria r-Stained Leaves (B9 ervations: ater Present? Ye le Present? Ye present? Ye apillary fringe)	erine) Ionriverin verine) Il Imagery) Is s X X X X	(B7)	Salt Cru Biotic Cr Aquatic Hydroge Oxidized Presend Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebre en Sulfide d Rhizospe er of Redu fron Redu ck Surfac explain in (inches) (inches)	ates (B13 e Odor (C') I) ng Living (C4) iilled Soil	g Roots (C3) s (C6) Wetland H	Second W Si D C Si Si Fi	dary Indicators /ater Marks (E ediment Depo rift Deposits (I rainage Patte ry-Season Wa rayfish Burrov aturation Visit hallow Aquital AC-Neutral Te	s (2 or more 31) (Riverir osits (B2) (R B3) (Riverir rns (B10) ater Table (vs (C8) ole on Aeria rd (D3) est (D5)	e required) ne) Riverine) ne) (C2) al Imagery (C9

			City/County:	TOOKIIII			pling Date:	04/26
Applicant/Owner: Building Engineerii	ng and Managem	ent, Inc.			State: CA	Sam	pling Point:	DP13
nvestigator(s): <u>Daria Snider</u>			Section	n, Township	, Range: Section 8,T	ownship 11 No	rth, Range 7	'East
_andform (hillslope, terrace, etc.):			Local re	lief (concav	e, convex, none):		Slop	e (%):
Subregion (LRR): Mediterranean Cal	ifornia (LRR C)	Lat:	_		1221248 Long:			Datum: NAD83
Soil Map Unit Name: 106 - Andre	egg coarse sandy	 / loam, 2 to 9%	6 slopes		NWI Classific			
Are climatic / hydrologic conditions or				Yes	No	X (If no, e	explain in Re	marks.)
Are Vegetation, Soil								
Are Vegetation, Soil					(If needed, explain	•		
SUMMARY OF FINDINGS - A		·				•	·	
Hydrophytic Vegetation Present?	Yes	No X						
Hydric Soil Present?	Yes X	No		mpled Area Wetland?	Yes	No	X	
Vetland Hydrology Present?	Yes X	No	within a	wettand?				_
Remarks:								
Jpland. Rain year much wetter than r		4-						
/EGETATION – Use scientific	c names of pi	ants.		-				
		Absolute		Indicator	Dominance Test wo			
Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Dominant			
					That Are OBL, FACV	V, or FAC:	0	(A)
					Total Number of Don	ninant		
		<u> </u>			Species Across All S	trata:	1	(B)
*					Dereant of Deminant	Species		
i.		0	=Total Cover		Percent of Dominant That Are OBL, FACV	•	0%	(A/B)
i		0	=Total Cover		Percent of Dominant That Are OBL, FACV	•	0%	(A/B)
Sapling/Shrub Stratum (Plot size:)	0	=Total Cover			V, or FAC:	0%	(A/B)
Sapling/Shrub Stratum (Plot size:)	0	=Total Cover		That Are OBL, FACV	V, or FAC:	0% Multiply b	
Sapling/Shrub Stratum (Plot size:)	0	=Total Cover		That Are OBL, FACV	V, or FAC:		
Sapling/Shrub Stratum (Plot size:)	0	=Total Cover		Prevalence Index W Total % Cover of	V, or FAC: Vorksheet:	Multiply t	
Sapling/Shrub Stratum (Plot size:)	0	=Total Cover		Prevalence Index W Total % Cover of OBL species	V, or FAC: /orksheet: of: 0 x1 =	Multiply b	
Sapling/Shrub Stratum (Plot size:)	0	=Total Cover		Prevalence Index W Total % Cover of OBL species FACW species FAC species	V, or FAC: Vorksheet: of:	Multiply t 0 10 15	
Sapling/Shrub Stratum (Plot size:)		=Total Cover		Prevalence Index W Total % Cover of OBL species FACW species FAC species	V, or FAC: Vorksheet: 0	Multiply b 0 10 15 360	
					Prevalence Index W Total % Cover of OBL species FACW species FAC species FACU species UPL species	V, or FAC: Vorksheet: of: 0	Multiply b 0 10 15 360	py:
					Prevalence Index W Total % Cover of OBL species FACW species FAC species FACU species UPL species Column Totals:	V, or FAC: Vorksheet: of: 0	Multiply b 0 10 15 360 0	py:
Herb Stratum (Plot size: <u>1 mete</u>		0	=Total Cover		Prevalence Index W Total % Cover of OBL species FACW species FAC species FACU species UPL species	V, or FAC: Vorksheet: of: 0	Multiply b 0 10 15 360 0	py:
Herb Stratum (Plot size: <u>1 mete</u> Hordeum murinum Ranunculus muricatus		0 90	=Total Cover	FACU	Prevalence Index W Total % Cover of OBL species FACW species FAC species FACU species UPL species Column Totals: Prevalence Index	V, or FAC: Vorksheet: of: 0	Multiply t 0 10 15 360 0 385 3.9	py:
Herb Stratum (Plot size: 1 meterostratum Manunculus muricatus Poa annua		0 90 5	=Total Cover	FACU FACW FAC	Prevalence Index W Total % Cover of OBL species FACW species FAC species FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegeta	V, or FAC: Vorksheet: 0	Multiply t 0 10 15 360 0 385 3.9	py:
Herb Stratum (Plot size: 1 mete Hordeum murinum Ranunculus muricatus Poa annua Geranium dissectum		0 90 5	=Total Cover	FACU	Prevalence Index W Total % Cover of OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegeta Dominance	V, or FAC: Vorksheet: of: 0	Multiply t 0 10 15 360 0 385 3.9	py:
Herb Stratum (Plot size: 1 meters Hordeum murinum Ranunculus muricatus Poa annua Geranium dissectum Carduus pycnocephalus		0 90 5	=Total Cover	FACU FACW FAC UPL	Prevalence Index W Total % Cover of OBL species FACW species FAC species FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegeta Dominance Prevalence	V, or FAC: Vorksheet: O	Multiply to 0 10 15 360 0 385 3.9	(B)
Herb Stratum (Plot size: 1 mete Hordeum murinum Ranunculus muricatus Poa annua Geranium dissectum Carduus pycnocephalus		0 90 5	=Total Cover	FACU FACW FAC UPL	Prevalence Index W Total % Cover of OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegeta Dominance Prevalence Morphologie	V, or FAC: Vorksheet: O	Multiply to 0 10 15 360 0 385 3.9	py:(B)
Herb Stratum (Plot size: 1 meter Hordeum murinum Ranunculus muricatus Poa annua Geranium dissectum Carduus pycnocephalus		0 90 5	=Total Cover	FACU FACW FAC UPL	Prevalence Index W Total % Cover of OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegeta Dominance Prevalence Morphologic data in Ren	V, or FAC: Vorksheet: of: 0	Multiply to 0 10 15 360 0 385 3.9 5:	upporting
Herb Stratum (Plot size: 1 meter Hordeum murinum Ranunculus muricatus Poa annua Geranium dissectum Carduus pycnocephalus		0 90 5 5 T	=Total Cover	FACU FACW FAC UPL UPL	Prevalence Index W Total % Cover of OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegeta Dominance Prevalence Morphologic data in Ren	V, or FAC: Vorksheet: O	Multiply to 0 10 15 360 0 385 3.9 5:	upporting
Herb Stratum (Plot size: 1 meter Hordeum murinum Ranunculus muricatus Poa annua Geranium dissectum Carduus pycnocephalus	er²)	0 90 5 5 T	=Total Cover	FACU FACW FAC UPL UPL	Prevalence Index W Total % Cover of OBL species FACW species FAC species FACU species UPL species Column Totals: Prevalence Index Hydrophytic Vegeta Dominance Prevalence Morphologicata in Ren Problematic	V, or FAC: Vorksheet: O	Multiply to 0 10 15 360 0 385 3.9 s:	upporting et)
Herb Stratum (Plot size: _1 meter Hordeum murinum Ranunculus muricatus Poa annua Geranium dissectum Carduus pycnocephalus Woody Vine Stratum (Plot size: _	er ²)	0 90 5 5 T	=Total Cover	FACU FACW FAC UPL UPL	Prevalence Index W Total % Cover of OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence Index: Hydrophytic Vegeta Dominance Prevalence Morphologic data in Ren Problematic	V, or FAC: Vorksheet: O	Multiply to 0 10 15 360 0 385 3.9 s:	upporting et)
Herb Stratum (Plot size: 1 meter Herb Stratum (Plot size: 1 meter Hordeum murinum Ranunculus muricatus Poa annua Geranium dissectum Carduus pycnocephalus Woody Vine Stratum (Plot size:	er ²)	0 90 5 5 T	=Total Cover	FACU FACW FAC UPL UPL	Prevalence Index W Total % Cover of OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence Index: Hydrophytic Vegeta Dominance Prevalence Morphologic data in Ren Problematic 1 Indicators of hydric side present, unless displacements.	V, or FAC: Vorksheet: O	Multiply to 0 10 15 360 0 385 3.9 s:	upporting et)
Herb Stratum (Plot size: 1 meter stratum (Plot size: 1 meter stratum murinum stratus s	er ²)	0 90 5 5 T T	=Total Cover	FACU FACW FAC UPL UPL	Prevalence Index W Total % Cover of OBL species FACW species FACU species UPL species Column Totals: Prevalence Index in Ren Problematic 1 Indicators of hydric sibe present, unless di	V, or FAC: Vorksheet: O	Multiply to 0 10 15 360 0 385 3.9 s:	upporting et)
Herb Stratum (Plot size: _1 mete 1. Hordeum murinum 2. Ranunculus muricatus 3. Poa annua 4. Geranium dissectum 5. Carduus pycnocephalus 6. 3. 7. 8. Woody Vine Stratum (Plot size: _	er ²)	0 90 5 5 T T	=Total Cover =Total Cover =Total Cover	FACU FACW FAC UPL UPL	Prevalence Index W Total % Cover of OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence Index: Hydrophytic Vegeta Dominance Prevalence Morphologic data in Ren Problematic 1 Indicators of hydric side present, unless displacements.	V, or FAC: Vorksheet: O	Multiply to 0 10 15 360 0 385 3.9 s:	upporting Explain)

Profile De	escription: (Describe	to the depth r	eeded to do	cument t	he indicat	tor or co	onfirm the abse	nce of indicators.)	
Depth	Matrix		Re	dox Feat			<u> </u>		
(inches)	Color (moist)	% Co	olor (moist)	%	Type ¹	Loc ²	Texture		Remarks
0-3	10YR 3/1	100					sandy loam		
3-6	7.5YR 4/1	95 7.5	/R 3/4	5	С	M	sand		
	- ·						_		
							_	_	
¹ Type: C=0	Concentration, D=Depletion	on, RM=Reduce	d Matrix, CS=C	overed or	Coated Sa	and Grain	s. ² Location: PL	=Pore Lining, M=Mat	rix.
Hydric So	oil Indicators: (Applica	able to all I Pi	Pe unlace at	horwica	noted)		Indicators for	or Problematic Hy	dric Soils ³ :
-	osol (A1)	able to all Livi		Redox (S	-			uck (A9) (LRR C)	unc dons .
	c Epipedon (A2)			d Matrix (uck (A10) (LRR B)	
	k Histic (A3)				neral (F1)			ed Vertic (F18)	
				-					
	ogen Sulfide (A4)	C)		-	atrix (F2)		_	rent Material (TF2)	١
_	ified Layers (A5) (LRR	C)		d Matrix (Other (i	Explain in Remarks)
	Muck (A9) (LRR D)	· (A11)		Dark Surf		7)			
	eted Below Dark Surfac	æ (ATT)			urface (F7)			
	k Dark Surface (A12)			Depressio				dicators of hydroph	
	dy Mucky Mineral (S1)		vernai i	Pools (F9)		,	wetland hydrology r	·
	dy Gleyed Matrix (S4)					-		unless disturbed	or problematic.
Restrictiv	e Layer (if present):								
Type:			<u>.</u>						
Depth (inc	ches):		<u>.</u>			н	ydric Soil Prese	ent?	′es X No
Remarks:									
HYDROLOG	ey.								
	Hydrology Indicators:								
	dicators (minimum of o	ne required: cl	neck all that a	nnly)			S	econdary Indicators	(2 or more required)
	ace Water (A1)	ne required, or		ıst (B11)				Water Marks (E	
	Water Table (A2)			rust (B12	1		_	_ `	sits (B2) (Riverine)
	` ,				•		_	_	, , , , ,
	ration (A3)				ates (B13	-	_	Drift Deposits (I	
	er Marks (B1) (Nonrive				Odor (C1		(00)	Drainage Patte	
	ment Deposits (B2) (No	-		-		-	g Roots (C3)	Dry-Season Wa	
	Deposits (B3) (Nonrive	erine)			uced Iron	. ,		Crayfish Burrov	
	ace Soil Cracks (B6)				uction in T	illed Soi	ls (C6)		ole on Aerial Imagery (C9)
	dation Visible on Aerial	Imagery (B7)		ick Surfac	` '		_	Shallow Aquita	` '
Wate	er-Stained Leaves (B9)		Other (Explain in	Remarks)		FAC-Neutral Te	est (D5)
Field Obs	ervations:								
Surface W	/ater Present? Yes	No	X Depti	n (inches)	:				
Water Tab	ole Present? Yes	No	X Depth	n (inches)	:				
Saturation	Present? Yes	No	X Depti	n (inches)	:		Wetland Hyd	rology Present?	Yes X No
•	capillary fringe)								
Describe Re	corded Data (stream ga	auge, monitorii	ng well, aerial	photos, p	orevious ir	spection	ns), if available:		
Remarks:									
tomanto.									

Applicant/Owner	Delmar West			City/County:	Rocklin				oling Date	· —	07/19/2
1 1	Building Engineeri	ing and Manag	ement, Inc.			State	CA	Sam	oling Poin	t: DP	14
nvestigator(s):	Daria Snider			Section	n, Township	, Range: Section	on 8,Townsh	ip 11 Nor	th, Range	7 Eas	t
andform (hillslope	e, terrace, etc.):	Topographi	ic swale	Local re	elief (concav	e, convex, none): Concave		SI	ope (%	o): 2-5
Subregion (LRR): 1	Mediterranean Ca	lifornia (LRR C) Lat:	_	38.8	1265714 Long		-121.22	51248	Datu	m: NAD83
Soil Map Unit Nam	e: 106 - Andre	egg coarse sai	ndy loam, 2 to 9%	slopes			lassification:				
Are climatic / hydro					Yes		o X		xplain in l	Remarl	ks.)
	, Soil				_	Are "Normal		_			
	, Soil					(If needed, ex		-			
SUMMARY OF						•					
Hydrophytic Vegeta	ation Present?	Yes	No X								
Hydric Soil Present		Yes			mpled Area	Yes	3	No	X		
Vetland Hydrology		Yes	No X	within a	Wetland?		-				
Remarks:	T TOSCITE:	103									
Jpland comparisor											
/EGETATION -	- Use scientifi	c names of	piants.								
			Absolute	Dominant	Indicator	Dominance Te					
Tree Stratum ((Plot size:)	% Cover	Species?	Status	Number of Dor					
						That Are OBL,	FACW, or F	AC:	1		(A)
			<u> </u>			Total Number of	of Dominant				
			<u> </u>			Species Across	s All Strata:		2		(B)
			<u> </u>			Percent of Don	ninant Snaci	-			
				=Total Cover					509	%	(A/B)
			0	=Total Cover	r	That Are OBL,			50%	%	(A/B)
Sapling/Shrub S	itratum (Plot size:)		=Total Cover	r		FACW, or F	AC:	50%	/6	(A/B)
Sapling/Shrub S	itratum (Plot size:)		=Total Cover		That Are OBL,	FACW, or Face	AC:	50%		(A/B)
Sapling/Shrub S	<u>stratum</u> (Plot size:)		=Total Cover		That Are OBL, Prevalence Inc.	FACW, or Face	AC:		y by:	(A/B)
Sapling/Shrub S	itratum (Plot size:)		=Total Cover		Prevalence Inc. Total % C	FACW, or Face of the second se	AC:	Multipl	y by:	(A/B)
Sapling/Shrub S	stratum (Plot size:)		=Total Cover		Prevalence Inc. Total % COBL species	FACW, or Face of the second se	eet: x1 =	Multipl 0	y by:	(A/B)
Sapling/Shrub S	stratum (Plot size:)		=Total Cover		Prevalence Inc. Total % COBL species FACW species	dex Worksh over of: 0 40	AC:	Multipl 0	y by:	(A/B)
Sapling/Shrub S	stratum (Plot size:)				Prevalence Into Total % COBL species FACW species FAC species FACU species FACU species	FACW, or Face of the second of	eet:x1 =x2 =x3 =x4 =	Multipl 0 0 120 24	y by: 0	(A/B)
				=Total Cover		Prevalence Into Total % COBL species FACW species FACU species FACU species UPL species	60 0	eet:x1 = x2 =x3 = x4 = x5 =	Multipl 0 0 120 240	y by:	— · · · · · · · · · · · · · · · · · · ·
Herb Stratum	(Plot size: <u>1 met</u>					Prevalence Into Total % COBL species FACW species FAC species FACU species FACU species	FACW, or FAC	eet: x1 =x2 =x3 =x4 =x5 =(A)	Multipl 0 0 120 241 0	y by:	(A/B)
Herb Stratum Festuca perel	(Plot size: <u>1 met</u> nnis			=Total Cover		Prevalence Into Total % COBL species FACW species FACU species FACU species UPL species Column Totals	FACW, or FAC	eet: x1 =x2 =x3 =x4 =x5 =(A)	Multipl 0 0 120 241 0	y by:	— · · · · · · · · · · · · · · · · · · ·
Herb Stratum Festuca perei Anthemis cotu	(Plot size: <u>1 met</u> nnis ula		0 40	=Total Cover	FAC	Prevalence In Total % C OBL species FACW species FACU species FACU species UPL species Column Totals Prevalence I	FACW, or FA dex Worksh cover of: 0 40 60 0 100 ndex = B/A	eet: x1 = x2 =x3 = x4 =x5 =(A)	Multipl	y by:	— · · · · · · · · · · · · · · · · · · ·
Herb Stratum Festuca perel Anthemis cotu	(Plot size: <u>1 met</u> nnis ula ros		0 40 40 10	=Total Cover	FAC FACU FACU	Prevalence In Total % C OBL species FACW species FACU species FACU species UPL species Column Totals Prevalence I	FACW, or F. dex Worksh over of: 0 40 60 0 100 ndex = B/A =	eet: x1 =x2 =x3 =x4 =x5 =(A)=	Multipl	y by:	— · · · · · · · · · · · · · · · · · · ·
Herb Stratum Festuca perei Anthemis cotu Festuca myur Leontodon sa	(Plot size: <u>1 met</u> nnis ula ros		0 40 40	=Total Cover	FAC FACU	Prevalence In Total % C OBL species FACW species FACU species FACU species UPL species Column Totals Prevalence I	FACW, or FA dex Worksh cover of: 0 40 60 0 100 ndex = B/A	eet: x1 =x2 =x3 =x4 =x5 =(A)s > 50%	Multipl	y by:	— · · · · · · · · · · · · · · · · · · ·
Herb Stratum Festuca perei Anthemis cotu Festuca myur Leontodon sa	(Plot size: <u>1 met</u> nnis ula ros ixatilis	er²_)	0 40 40 10	=Total Cover	FAC FACU FACU	Prevalence Intervalence Interva	FACW, or FAC	eet: x1 =x2 =x3 =x4 =x5 =(A) dicators s > 50% is ≤3.01	Multipl	y by:	(B)
Herb Stratum Festuca perer Anthemis cotu Festuca myur Leontodon sa	(Plot size: <u>1 met</u> nnis ula ros	er²_)	0 40 40 10	=Total Cover	FAC FACU FACU	Prevalence Into Total % COBL species FACW species FACU species FACU species UPL species Column Totals Prevalence I Hydrophytic V Domi Prevalence Morph	FACW, or FAC	eet: x1 =x2 =x3 =x4 =x5 =(A) s>50% is ≤3.0¹ aptations	Multipl	y by:	(B)
Herb Stratum Festuca perer Anthemis cotu Festuca myur Leontodon sa	(Plot size: <u>1 met</u> nnis ula ros ixatilis	er²_)	0 40 40 10	=Total Cover	FAC FACU FACU	Prevalence Into Total % COORL species FACW species FACU species FACU species UPL species Column Totals Prevalence I Hydrophytic V Domi Prevalence I Morphytic I	dex Worksh cover of: 0 40 60 0 100 ndex = B/A = Gegetation Ir nance Test is alence Index nological Adan Remarks of	eet: x1 =x2 =x3 =x4 =x5 =(A) edicators s > 50% is ≤3.0¹ aptations or on a se	Multipl 0 0 120 240 360 3.6	y by:	(B)
Herb Stratum Festuca perer Anthemis cotu Festuca myur Leontodon sa	(Plot size: <u>1 met</u> nnis ula ros ixatilis	er²_)	0 40 40 10 10	=Total Cover	FACU FACU FACU	Prevalence Into Total % COORL species FACW species FACU species FACU species UPL species Column Totals Prevalence I Hydrophytic V Domi Prevalence I Morphytic I	FACW, or FAC	eet: x1 =x2 =x3 =x4 =x5 =(A) edicators s > 50% is ≤3.0¹ aptations or on a se	Multipl 0 0 120 240 360 3.6	y by:	(B)
Herb Stratum Festuca perei Anthemis cotu Festuca myur Leontodon sa	(Plot size: <u>1 met</u> nnis ula ros ixatilis	er ²)	0 40 40 10 10	=Total Cover	FACU FACU FACU	That Are OBL, Prevalence Int Total % C OBL species FACW species FAC species FACU species UPL species Column Totals Prevalence I Hydrophytic V Domi Preva Morph data i Proble	FACW, or FAC	eet: x1 =x2 =x3 =x4 =x5 =(A)= dicators s > 50% is ≤3.0¹ aptations or on a sepphytic Vo	Multipl 0 0 120 240 360 3.6	y by: D D Suppose supposeet)	(B)
Herb Stratum Festuca perei Anthemis cotu Festuca myur Leontodon sa	(Plot size: _1 met nnis ula ros exatilis	er ²)	0 40 40 10 10	=Total Cover	FACU FACU FACU	Prevalence Into Total % COORL species FACW species FACU species FACU species UPL species Column Totals Prevalence I Hydrophytic V Domi Prevalence I Morphytic I	FACW, or FAC	eet: x1 =x2 =x3 =x4 =x5 =(A) adicators s >50% is ≤3.0¹ aptations or on a se ophytic Vo	Multipl 0 0 12/1 24/1 0 36/1 3.6 :	y by: D D Suppose supposeet)	(B)
Herb Stratum Festuca perei Anthemis cotu Festuca myur Leontodon sa	(Plot size: <u>1 met</u> nnis ula ros ixatilis	er ²)	0 40 40 10 10	=Total Cover	FACU FACU FACU	Prevalence In Total % C OBL species FACW species FACU species FACU species Column Totals Prevalence I Hydrophytic V Domi Preva Morphytic V Proble 1 Indicators of he present, unit	FACW, or FAC	eet: x1 =x2 =x3 =x4 =x5 =(A) adicators s >50% is ≤3.0¹ aptations or on a se ophytic Vo	Multipl 0 0 12/1 24/1 0 36/1 3.6 :	y by: D D Suppose supposeet)	(B)
Herb Stratum Festuca perel Anthemis cotu Leontodon sa Woody Vine Stra	(Plot size: _1 met nnis ula ros exatilis	er ²)	0 40 40 10 10	=Total Cover	FACU FACU FACU	Prevalence Inc. Total % COOBL species FACW species FACU species FACU species UPL species Column Totals Prevalence I Hydrophytic V ———————————————————————————————————	FACW, or FAC	eet: x1 =x2 =x3 =x4 =x5 =(A) adicators s >50% is ≤3.0¹ aptations or on a se ophytic Vo	Multipl 0 0 12/1 24/1 0 36/1 3.6 :	y by: D D Suppose supposeet)	(B)
Herb Stratum Festuca perei Anthemis cotu Leontodon sa Woody Vine Stra	(Plot size: _1 met nnis ula ros ixatilis	er ²)	0 40 40 10 10	=Total Cover	FACU FACU FACU	Prevalence In Total % C OBL species FACW species FACU species FACU species Column Totals Prevalence I Hydrophytic V Domi Preva Morphytic V Proble 1 Indicators of he present, unit	FACW, or FAC	eet: x1 =x2 =x3 =x4 =x5 =(A) adicators s >50% is ≤3.0¹ aptations or on a se ophytic Vo	Multipl 0 0 12/1 24/1 0 36/3 3.6	y by: D D Suppose supposeet)	(B)

Profile Des Depth	Matri	Κ.		Red	dox Featι	ures							
inches)	Color (moist)) %	Color (moist)	%	Type ¹	Loc ²	Texture	е		Rema	rks	
)-12	10YR 3/2	100						sandy loar	n	No redox			
										-			
			-	 -									
			-	 -									
			-	 .				-					
			-										
ype: C=C	oncentration, D=De	pletion, RM=Re	duced Ma	trix, CS=C	overed or	Coated Sar	nd Grains.	² Location: 1	PL=Pore	Lining, M=Ma	trix.		
vdric Soi	I Indicators: (Ap	plicable to al	l LRRs. u	ınless oth	nerwise r	noted.)		Indicators	for Pr	oblematic Hy	dric Soils	3.	
-	sol (A1)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		Redox (S5					A9) (LRR C)		•	
	Epipedon (A2)			-	l Matrix (S	•		_		A10) (LRR B))		
	Histic (A3)					neral (F1)				ertic (F18)	,		
_	gen Sulfide (A4)			-	-	atrix (F2)		_		Material (TF2))		
_	ied Layers (A5) (L	RR C)	X	-	d Matrix (_		in in Remark			
_	Muck (A9) (LRR D	-		-	Dark Surfa				ı (Expic	an in recinant	3)		
	ted Below Dark S	-				urface (F7)							
				-									
_	Dark Surface (A1	•			Depressio			3		ors of hydroph	, ,		
	y Mucky Mineral (S	•		veillair	Pools (F9))				nd hydrology			
	y Gleyed Matrix (S	•							unii	ess disturbed	or problem	iauc.	
/pe: epth (inch	e Layer (if presen		<u>—</u> ——				Ну	dric Soil Pre	esent?		Yes	No)
ype: epth (inch							Ну	dric Soil Pre	esent?		Yes	No)
ype: epth (inch marks:	nes):						Ну	dric Soil Pro	esent?		Yes	No _	>
ype: epth (inch narks: DROLOG	nes):						Ну	dric Soil Pro	esent?		Yes	No	<u> </u>
ype:epth (inch narks: DROLOG	Y ydrology Indicato	ors:					Ну	dric Soil Pro				<u> </u>	<u> </u>
ype:epth (inch narks: DROLOG /etland H	Y ydrology Indicato licators (minimum	ors:	ad; check				Ну	dric Soil Pro	Secon	dary Indicator	s (2 or mor	re required)	
peth (inch parks: DROLOG etland H rimary Inc	Y ydrology Indicate licators (minimum ce Water (A1)	ors:	<u>}d; check</u>	Salt Cru	st (B11)		Ну	dric Soil Pro	Secon V	dary Indicator Vater Marks (I	s (2 or moi B1) (River i	re required)	
ype:epth (inchest) PROLOG Vetland H rimary Inc Surfac High \(\text{High} \)	Y ydrology Indicate dicators (minimum ce Water (A1) Water Table (A2)	ors:	ed; check	Salt Crus Biotic Cr	st (B11) rust (B12)	•		dric Soil Pro	Secon V	dary Indicator Vater Marks (I Sediment Depo	s (2 or moi B1) (River i osits (B2) (re required) ine) (Riverine)	
ype:epth (inches) PROLOG Vetland H rimary Inc Surfar High \ Satur:	y ydrology Indicate licators (minimum ce Water (A1) Water Table (A2) ation (A3)	ors: of one require	ed; check	Salt Crus Biotic Cr Aquatic	st (B11) rust (B12) Invertebra	ates (B13)		dric Soil Pro	<u>Secon</u> V	dary Indicator Vater Marks (I Sediment Depo Drift Deposits (s (2 or mor B1) (Riveri osits (B2) ((B3) (River	re required) ine) (Riverine)	
ppe:epth (inchest) property	yyydrology Indicato licators (minimum ce Water (A1) Water Table (A2) ation (A3)	ors: of one require	_ _ _	Salt Crus Biotic Cr Aquatic Hydroge	st (B11) rust (B12) Invertebra en Sulfide	ates (B13) Odor (C1))		Secon V S C C C C C C C C C	dary Indicator Vater Marks (I Sediment Dep Orift Deposits (Orainage Patte	s (2 or mor B1) (River i osits (B2) ((B3) (River erns (B10)	re required) ine) (Riverine) rine)	
ype:epth (inches) PROLOG Vetland H rimary Inc Surfar High \ Saturar Water Sedin	yyydrology Indicato dicators (minimum ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Non nent Deposits (B2)	ors: of one require riverine)) (Nonriverine	_ _ _	Salt Crus Biotic Cr Aquatic Hydroge Oxidized	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp	ates (B13) Odor (C1) oheres alor) ng Living	dric Soil Pre	Secon	dary Indicator Vater Marks (I Sediment Dep Drift Deposits (Drainage Patte Dry-Season W	s (2 or mor B1) (River i osits (B2) ((B3) (River erns (B10) ater Table	re required) ine) (Riverine) rine)	
pype:epth (inch narks:	Y ydrology Indicate licators (minimum ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Non nent Deposits (B2)	ors: of one require riverine)) (Nonriverine)	_ _ _	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presence	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu	ates (B13) Odor (C1) oheres alor uced Iron () ng Living C4)	Roots (C3)	Secon V S S C C C C C C C C	dary Indicator Vater Marks (I Sediment Depo Drift Deposits (Drainage Patte Dry-Season W Crayfish Burro	s (2 or more B1) (Riveriosits (B2) ((B3) (Riverems (B10) ater Table ws (C8)	re required) ine) (Riverine) rine)	
pype:epth (inch narks:	y ydrology Indicato licators (minimum ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Non nent Deposits (B2) Deposits (B3) (Nor ce Soil Cracks (B6)	ors: of one require riverine) (Nonriverine nriverine)	 	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu	ates (B13) Odor (C1) Oheres alor uced Iron (uction in Ti) ng Living C4)	Roots (C3)	Secon	dary Indicator Vater Marks (I Sediment Depo Prift Deposits (Orainage Patte Ory-Season W Crayfish Burror Saturation Visi	s (2 or mol B1) (Riveri osits (B2) ((B3) (River erns (B10) fater Table ws (C8) ble on Aeri	re required) ine) (Riverine) rine)	
pype:	Y ydrology Indicate licators (minimum ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Non nent Deposits (B2)	ors: of one require riverine) (Nonriverine nriverine)	 	Salt Crus Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I	st (B11) rust (B12) Invertebra en Sulfide d Rhizosp ee of Redu	ates (B13) Odor (C1) Oheres alor uced Iron (uction in Ti) ng Living C4)	Roots (C3)	Secon	dary Indicator Vater Marks (I Sediment Depo Drift Deposits (Drainage Patte Dry-Season W Crayfish Burro	s (2 or mol B1) (Riveri osits (B2) ((B3) (River erns (B10) fater Table ws (C8) ble on Aeri	re required) ine) (Riverine) rine)	
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Project/Site:	Delmar West			City/County:	Rocklin		Samp	oling Date: _	07/19/22
Applicant/Owner:	Building Engineering	ng and Managem	ent, Inc.			State: CA	Samp	oling Point: [DP15
Investigator(s):	D. Snider			Section	n, Township	, Range: Section 8,Town	ship 11 Nor	th, Range 7 E	ast
Landform (hillslop	e, terrace, etc.):	Hillslope		Local re	elief (concav	e, convex, none): None	•	Slope	(%): 2-5
Subregion (LRR):	Mediterranean Cali	fornia (LRR C)	Lat:	_	38.8	1074386 Long:	-121.22	61846 Da	atum: NAD83
Soil Map Unit Nan	ne: 106 - Andre	gg coarse sandy	 loam, 2 to 9%	slopes		NWI Classification	n: None		
Are climatic / hvdr	ologic conditions on	the site typical fo	or this time of	vear?	Yes	No X	(If no. ex	xplain in Rem	arks.)
•	, Soil	**		•	_				
Are Vegetation	, Soil					(If needed, explain any	•	_	
-						ntions, transects, imp	ortant fea	atures, etc	
Hydrophytic Vege	tation Present?	Yes N	No X						
Hydric Soil Preser			10 10		mpled Area	a Yes	No	X	
Wetland Hydrolog			10	within a	Wetland?				
Remarks:	y i resent:	103 <u>X</u>							
	nuch wetter than nor								
VEGETATION	 Use scientific 	names of pla	ants.						
			Absolute	Dominant	Indicator	Dominance Test works	heet:		
Tree Stratum	(Plot size:)	% Cover	Species?	Status	Number of Dominant Spe			
1.						That Are OBL, FACW, or	FAC:	1	(A)
2.						Total Number of Domina	nt		
3						Species Across All Strata	a:	2	(B)
4						Percent of Dominant Spe	ecies		
			0	=Total Cove	r	That Are OBL, FACW, or		50%	(A/B)
Sapling/Shrub	Stratum (Plot size: _)				Prevalence Index Work	sheet:		
1						Total % Cover of:		Multiply by	<u>:</u>
2						OBL species 5	x1 =	5	
3						FACW species0	x2 =	0	<u></u>
4						FAC species 75	x3 =	225	<u></u>
5						FACU species 20	x4 =	80	
		•	0	=Total Cove	r	UPL species 0	x5 =	0	
	(Plot size: _1 mete	<u>er²</u>)				Column Totals: 100	`	310	(B)
1. Festuca pere		-	70	X	FAC	Prevalence Index = B/	A =	3.1	
2. Anthemis cot			20	X	FACU				
3. <u>Centaurea s</u>			<u>T</u>		UPL	Hydrophytic Vegetation		•	
4. <u>Mentha pule</u>			5		OBL	Dominance Tes			
5. Hordeum ma			5		FAC	Prevalence Inde			
6. Festuca bror	noides		T		FACU	Morphological A			
7						data in Remark		. ,	
8						Problematic Hy	drophytic Ve	getation' (Ex	plain)
			100	=Total Cove	r				
Woody Vine St	ratum (Plot size: _)				¹ Indicators of hydric soil			ust
1						be present, unless distur	bea or probl	ematic.	
2						Hydrophytic			
				=Total Cove		Vegetation			.,
	I in Herb Stratum	0	% Cover of	Biotic Crust	0	Present?	Yes	No_	X
Remarks:									

Depth	Matrix		Re	dox Featu	ıres		_				
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	e		Remarks	
-6	10YR 4/2	90	7.5YR 3/4	10	С	М	sandy loar	m			
				,							
				,							
				,							
Type: C=C	oncentration, D=Depletion	n, RM=Redu	uced Matrix, CS=Co	vered or Co	oated Sand	Grains.	² Location: PL=	=Pore Lining,	M=Matrix.		
lydric Soi	il Indicators: (Applica	hle to all	I RRs unless of	norwise n	oted)		Indicators	s for Proble	ematic Hydr	ric Soils ³	
-	sol (A1)	ible to all		Redox (S5	-			Muck (A9)	•	ic solis .	
	Epipedon (A2)			d Matrix (S				Muck (A3) Muck (A10			
	: Histic (A3)			Mucky Mir				uced Vertic			
	ogen Sulfide (A4)			Gleyed Ma				Parent Mat			
	fied Layers (A5) (LRR (C)		d Matrix (r (Explain ir	, ,		
	Muck (A9) (LRR D)	-)		o Mairix (Dark Surfa	,			ı (⊏vhıaııı II	i Nemarko)		
	, , , ,	·ο (Λ11)			` '	\					
	eted Below Dark Surfac Dark Surface (A12)	~ (A11)		d Dark Su Depressio		,		0			
_	y Mucky Mineral (S1)			Pools (F9)	` '		;			ic vegetation	
	y Gleyed Matrix (S4)		vernair	-0015 (1 9)	'					ust be prese problematic	
Sanu								unicss	uistui beu oi	problematic	•
a atriative											
	e Layer (if present):										
уре:									v	. v	N.
ype: epth (inch		hes				Hy	ydric Soil Pre	esent?	Ye	es X	No
ype: epth (inch	nes):	nes	_			Hy	ydric Soil Pre	esent?	Ye	es X	No
ype: epth (inch narks: Sh	nes):ovel refusal after 6 incl	hes				Н	ydric Soil Pre	esent?	Ye	es X	No
ype: pepth (inch marks: Sh marks: Sh marks: Sh marks: Sh	nes): ovel refusal after 6 incl Y lydrology Indicators:					Ну	ydric Soil Pre				
ype: lepth (inch narks: Sh DROLOG Vetland H rimary Inc	nes): ovel refusal after 6 incl Y lydrology Indicators:		· · · · · · · · · · · · · · · · · · ·			Н	ydric Soil Pre	Secondary	/ Indicators (2 or more re	
ype:epth (inchest) narks: Sh DROLOG /etland H rimary Inc Surfa	ovel refusal after 6 incl Y Sydrology Indicators: dicators (minimum of or or ce Water (A1)		Salt Cru	ıst (B11)		Н	ydric Soil Pre	Secondary Wate	/ Indicators (er Marks (B1	2 or more re	quired)
ype: lepth (inch marks: Sh DROLOG /etland H rimary Inc Surfa High \	y ydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2)		Salt Cru Biotic C	ıst (B11) rust (B12)			ydric Soil Pre	Secondary Wate	/ Indicators (er Marks (B1 ment Deposi	(2 or more re) (Riverine) its (B2) (Rive	quired)
ype: lepth (inch marks: Sh DROLOG /etland H rimary Inc Surfa High Satur.	y Indicators: Mater (A1) Water Table (A2) ation (A3)	ne required	Salt Cru Biotic C Aquatic	rust (B11) rust (B12) Invertebra	ates (B13)	ydric Soil Pre	Secondary Wate Sedii Drift	/ Indicators (er Marks (B1 ment Deposi Deposits (B3	2 or more re) (Riverine) its (B2) (Riverine)	quired)
ype: lepth (inch marks: Sh DROLOG /etland H rimary Inc Surfa High \ Satur. Wate	y Indicators: Y Indicators:	ne required	Salt Cru Biotic C Aquatic Hydroge	ust (B11) rust (B12) Invertebra en Sulfide	ates (B13 Odor (C1)))		Secondary Wate Sedii Drift Drair	/ Indicators (er Marks (B1 ment Deposi Deposits (B3 nage Pattern	2 or more re) (Riverine) its (B2) (Riverine) s (B10)	quired)
ype: lepth (inch marks: Sh DROLOG Vetland H rimary Inc Surfa High Satur Wate Sedin	y Indicators: Y Indicators: I	ne required rine) nriverine)	Salt Cru Biotic C Aquatic Hydroge X Oxidizer	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp	ates (B13 Odor (C′ oheres alo))) ng Living	ydric Soil Pre	Secondary Wate Sedii Drift Drair	/ Indicators (er Marks (B1 ment Deposi Deposits (B3 nage Pattern Season Wate	2 or more re) (Riverine) its (B2) (Riverine) 3) (Riverine) s (B10) er Table (C2	quired)
ype: lepth (inch marks: Sh DROLOG Vetland H rimary Inc Surfa High Satur Wate Sedin Drift I	y Indicators: Ind	ne required rine) nriverine)	Salt Cru Biotic C Aquatic Hydroge X Oxidized Presence	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp ce of Redu	ates (B13 Odor (C1 heres ald uced Iron))) ng Living (C4)	Roots (C3)	Secondary Wate Sedii Drift Drair Dry-S Cray	/ Indicators (er Marks (B1 ment Deposits (B3 nage Pattern Season Watefish Burrows	2 or more re) (Riverine) its (B2) (Riverine) 3) (Riverine) s (B10) er Table (C2	quired) erine)
DROLOG Wetland H Primary Inc Surfa High Satur Vate Sedin Drift I Surfa	y Indicators: Indicators: Idicators (minimum of or	ne required rine) nriverine) rine)	Salt Cru Biotic C Aquatic Hydroge X Oxidizer Present Recent	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp ce of Redu	ates (B13 Odor (C ² heres alo uced Iron uction in T))) ng Living (C4)	Roots (C3)	Secondary Wate Sedii Drift Drair Cray Satu	y Indicators (er Marks (B1 ment Deposi Deposits (B3 nage Pattern Season Wate fish Burrows ration Visible	2 or more re) (Riverine) its (B2) (Riverine) s (B10) er Table (C2 6 (C8) e on Aerial In	quired) erine)
DROLOG Vetland H Satur Wate Sedin Drift I Surfa Inund	y lydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver nent Deposits (B2) (Nonrive ce Soil Cracks (B6) lation Visible on Aerial	ne required rine) nriverine) rine)	Salt Cru Biotic C Aquatic Hydroge X Oxidizer Presenc Recent Thin Mu	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp ce of Redu Iron Redu uck Surfac	ates (B13 Odor (C ² heres alo uced Iron action in T ce (C7))) ng Living (C4) illed Soils	Roots (C3)	Secondary Wate Sedin Drift Drair Cray Satu	y Indicators (er Marks (B1 ment Deposits (B3 nage Pattern Season Wate fish Burrows ration Visible ow Aquitard	(2 or more re) (Riverine) (B2) (Riverine) (B10) (Riverine) (C2) (C8) (C8) (C9)	quired) erine)
DROLOG Vetland H rimary Inc Surfa High Satur Vate Sedin Drift [Surfa Inund Wate	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)	ne required rine) nriverine) rine)	Salt Cru Biotic C Aquatic Hydroge X Oxidizer Presenc Recent Thin Mu	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp ce of Redu	ates (B13 Odor (C ² heres alo uced Iron action in T ce (C7))) ng Living (C4) illed Soils	Roots (C3)	Secondary Wate Sedin Drift Drair Cray Satu	y Indicators (er Marks (B1 ment Deposi Deposits (B3 nage Pattern Season Wate fish Burrows ration Visible	(2 or more re) (Riverine) (B2) (Riverine) (B10) (Riverine) (C2) (C8) (C8) (C9)	quired) erine)
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DROLOG Vetland H Primary Inc Surfa High Satur. Vate Sedin Inund Wate Wate Surface Wi	y lydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes	ne required rine) nriverine) rine) Imagery (E	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu uck Surface Explain in	ates (B13 Odor (C' pheres alo uced Iron uction in T ce (C7) Remarks)) ng Living (C4) illed Soils	Roots (C3)	Secondary Wate Sedin Drift Drair Cray Satu	y Indicators (er Marks (B1 ment Deposits (B3 nage Pattern Season Wate fish Burrows ration Visible ow Aquitard	(2 or more re) (Riverine) (B2) (Riverine) (B10) (Riverine) (C2) (C8) (C8) (C9)	quired) erine)
DROLOG DROLOG Vetland H Primary Inc Surfa High Satur. Vate Sedin Inund Inund Wate Gield Obse Surface W: Vater Table	y lydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ce Soil Cracks (B6) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? yes	rine) nriverine) rine) Imagery (E	Salt Cru	ist (B11) rust (B12) Invertebra en Sulfide d Rhizosp ce of Redu lron Redu uck Surfac explain in n (inches)	ates (B13 Odor (C ² oheres alo uced Iron uction in T ce (C7) Remarks)) ng Living (C4) illed Soils	g Roots (C3) s (C6)	Secondary Wate Sedii Drift Drair Dry-5 Cray Satu Shall	y Indicators (er Marks (B1 ment Deposit Deposits (B3 nage Pattern Season Wate fish Burrows ration Visible ow Aquitard Neutral Tes	(2 or more re) (Riverine) its (B2) (Riverine) is (B10) er Table (C2 is (C8) e on Aerial In (D3) t (D5)	quired) erine) hagery (C9
DROLOG Wetland H Primary Inc Surfa High Saturation Water Table Saturation	y lydrology Indicators: dicators (minimum of orce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivertient Deposits (B2) (Noncomposits (B3)) (Nonrivertient Deposits (B6)) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes le Present? Yes Present? Yes	rine) nriverine) rine) Imagery (E	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu uck Surface Explain in	ates (B13 Odor (C ² oheres alo uced Iron uction in T ce (C7) Remarks)) ng Living (C4) illed Soils	g Roots (C3) s (C6)	Secondary Wate Sedin Drift Drair Cray Satu	y Indicators (er Marks (B1 ment Deposit Deposits (B3 nage Pattern Season Wate fish Burrows ration Visible ow Aquitard Neutral Tes	(2 or more re) (Riverine) its (B2) (Riverine) is (B10) er Table (C2 is (C8) e on Aerial In (D3) t (D5)	quired) erine) hagery (C9
DROLOG Wetland H Primary Inc Surfa High Saturation Inund Water Table Saturation Includes c	y lydrology Indicators: dicators (minimum of or	ne required rine) nriverine) rine)	Salt Cru	ust (B11) rust (B12) Invertebrate Invertebra	ates (B13 detection of the control o) ng Living (C4) illed Soils	g Roots (C3) s (C6) Wetland H	Secondary Wate Sedin Drair Drair Cray Satu Shall FAC	y Indicators (er Marks (B1 ment Deposit Deposits (B3 nage Pattern Season Wate fish Burrows ration Visible ow Aquitard Neutral Tes	(2 or more re) (Riverine) its (B2) (Riverine) is (B10) er Table (C2 is (C8) e on Aerial In (D3) t (D5)	quired) erine) hagery (C9
DROLOG Wetland H Primary Inc Surfa High Saturation Inund Water Table Saturation Includes c	y lydrology Indicators: dicators (minimum of orce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivertient Deposits (B2) (Noncomposits (B3)) (Nonrivertient Deposits (B6)) lation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes le Present? Yes Present? Yes	ne required rine) nriverine) rine)	Salt Cru	ust (B11) rust (B12) Invertebrate Invertebra	ates (B13 detection of the control o) ng Living (C4) illed Soils	g Roots (C3) s (C6) Wetland H	Secondary Wate Sedin Drair Drair Cray Satu Shall FAC	y Indicators (er Marks (B1 ment Deposit Deposits (B3 nage Pattern Season Wate fish Burrows ration Visible ow Aquitard Neutral Tes	(2 or more re) (Riverine) its (B2) (Riverine) is (B10) er Table (C2 is (C8) e on Aerial In (D3) t (D5)	quired) erine) hagery (C9
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DROLOG Wetland H Primary Inc Satur Water Sedin Und Water Surfa High Water Sedin Und Water Surfa Inund Water Reco	y lydrology Indicators: dicators (minimum of or	ne required rine) nriverine) rine)	Salt Cru	ust (B11) rust (B12) Invertebrate Invertebra	ates (B13 detection of the control o) ng Living (C4) illed Soils	g Roots (C3) s (C6) Wetland H	Secondary Wate Sedin Drair Drair Cray Satu Shall FAC	y Indicators (er Marks (B1 ment Deposit Deposits (B3 nage Pattern Season Wate fish Burrows ration Visible ow Aquitard Neutral Tes	(2 or more re) (Riverine) its (B2) (Riverine) is (B10) er Table (C2 is (C8) e on Aerial In (D3) t (D5)	quired) erine) hagery (C9

Project/Site:	Delmar West			City/County:	Rocklin		Samp	oling Date: _	07/19/23
Applicant/Owner:	Building Engineering	ng and Managem	ent, Inc.			State: CA	Samp	ling Point: [DP16
Investigator(s):	D. Snider			Section	n, Township	, Range: Section 8,To	wnship 11 Nor	th, Range 7 E	ast
Landform (hillslop	e, terrace, etc.):	Hillslope		Local re	elief (concav	e, convex, none): None		Slope	(%): 2-5
Subregion (LRR):	Mediterranean Cali	fornia (LRR C)	Lat:	_	38.8	1072701 Long:	-121.22	61749 Da	atum: NAD83
Soil Map Unit Nan	ne: 106 - Andre	gg coarse sandy	loam, 2 to 9%	slopes		NWI Classifica			
Are climatic / hvdr	ologic conditions on	the site typical fo	or this time of	vear?	Yes		(If no, e	xplain in Rem	arks.)
•	, Soil			•	_				
Are Vegetation	, Soil					(If needed, explain a	•	_	
_		_				itions, transects, ir		,	
Hydrophytic Vege	tation Present?	Yes 1	No X						
Hydric Soil Preser			No X		impled Area	Yes	No	X	
Wetland Hydrolog			No X	within a	Wetland?				
Remarks:	,								
	Rain year much wet								
VEGETATION	 Use scientific 	names of pia	ants.						
			Absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
Tree Stratum	(Plot size:)	% Cover	Species?	Status	Number of Dominant S	•		
1						That Are OBL, FACW,	or FAC:	0	(A)
2.						Total Number of Domi	nant		
3.		_				Species Across All Str	ata:	4	(B)
4.						Percent of Dominant S			
		_	0	=Total Cove	r	That Are OBL, FACW,	•	0%	(A/B)
Sapling/Shrub	Stratum (Plot size: _)				Prevalence Index Wo	rksheet:		
1						Total % Cover of	<u> </u>	Multiply by	<u>:</u>
2						OBL species	0 x1 =	0	
3						FACW species	0 x2 =	0	
4						FAC species	o x3 =	0	
5						FACU species 6	2 x4 =	248	
		_	0	=Total Cove	r	UPL species 2	0 x5 =	100	<u></u>
· ·	(Plot size: _1 mete	<u>er²</u>)				Column Totals: 8	2 (A)	348	(B)
1. <u>Bromus hord</u>	leaceus		20	X	FACU	Prevalence Index =	B/A =	4.2	
2. <u>Hypochaeris</u>	glabra		20	X	UPL				
3. <i>Anthemis co</i> t	tula		20	X	FACU	Hydrophytic Vegetati	on Indicators	:	
4. <u>Festuca bror</u>			20	X	FACU	Dominance 1	est is >50%		
5. Centaurea s o			T		UPL	Prevalence li	ndex is ≤3.0 ¹		
6. Cynodon da d	ctylon		2		FACU	Morphologica	al Adaptations ¹	(Provide sup	porting
7. <u>Lactuca serri</u>	iola		T		FACU	data in Rema	arks or on a se	parate sheet)	
8. <i>Festuca pere</i>	ennis		T		FAC	Problematic	Hydrophytic Ve	egetation ¹ (Ex	plain)
			82	=Total Cove	r				
Woody Vine St	ratum (Plot size: _)				¹ Indicators of hydric so	il and wetland	hydrology mu	ust
1						be present, unless dis	turbed or probl	ematic.	
2						Hydrophytic			
				=Total Cove	r	Vegetation			
% Bare Ground	I in Herb Stratum	18	% Cover of	Biotic Crust	0	Present?	Yes	No_	X
Remarks:									

Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be prese unless disturbed or problematic Restrictive Layer (if present): Type: Depth (inches):	Sandy loam No redox	Depth	Matrix		Re	dox Fea	tures		_			
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. **Location: PL=Pore Lining, M=Matrix.* Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. **Location: PL=Pore Lining, M=Matrix.* Histoso (AI)	Sandy loam No redox		Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	;
lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1)	Able to all LRRs, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Reduced Vertic (F18) Redox Dark Surface (F6) Redox Dark Surface (F6) Redox Dark Surface (F7) Redox Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Multiply Matrix (B1) Salt Crust (B12) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Arine) Hydrogen Sulfide Odor (C1) Prisence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Imagery (B7) No X Depth (inches): Wetland Hydrology Present? Yes No X	-6	10YR 3/2	100					sandy loam	No redox		
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histosol (A2) Stirpped Matrix (S6) Histosol (A2) Stirpped Matrix (S6) Hydrogen Sulfide (A2) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Hydrogen Sulfide (A9) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Depleted Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Wetland hydrology must be prese unless disturbed or problematic testrictive Layer (if present): ype: ype: ype: yph: yp	Able to all LRRs, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Red											
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histosol (A2) Stirpped Matrix (S6) Histosol (A2) Stirpped Matrix (S6) Hydrogen Sulfide (A2) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Hydrogen Sulfide (A9) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Depleted Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Wetland hydrology must be prese unless disturbed or problematic testrictive Layer (if present): ype: ype: ype: yph: yp	Able to all LRRs, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Reduced Vertic (F18) Redox Dark Surface (F6) Redox Dark Surface (F6) Redox Dark Surface (F7) Redox Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Multiply Matrix (B1) Salt Crust (B12) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Arine) Hydrogen Sulfide Odor (C1) Prisence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Imagery (B7) No X Depth (inches): Wetland Hydrology Present? Yes No X											
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tydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histosol (A2) Histosol (A2) Stirped Matrix (S8) Black Histic (A3) Loamy Mukok (Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Loamy Gleyed Matrix (F3) Torm Muck (A9) (LRR B) Black Histic (A3) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Wetland hydrology must be prese unless disturbed or problematic testrictive Layer (if present): "ype: "pepth (inches): "marks: **Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more regulated): "permary Indicators (minimum of one required; check all that apply) Brock (A9) Wetland Hydrology Indicators: **Primary Indicators (minimum of one required; check all that apply) Brock (B1) (Nonriverine) Hydric Soil Present? Yes Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B8) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes Wetland Hydrology Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes Wetland Hydrology Pre	Able to all LRRs, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Reduced Vertic (F18) Redox Dark Surface (F6) Redox Dark Surface (F6) Redox Dark Surface (F7) Redox Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Multiply Matrix (B1) Salt Crust (B12) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Arine) Hydrogen Sulfide Odor (C1) Prisence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Imagery (B7) No X Depth (inches): Wetland Hydrology Present? Yes No X											
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Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mukcy Mineral (F1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (A12) Redox Depressions (F8) Sandy Mukcy Mineral (S1) Sandy Gleyed Matrix (S4) Wetland Hydrology Indicators of hydrophytic vegetation wetland hydrology mukcy be prese unless disturbed or problematic Settifications of hydrophytic vegetation wetland hydrology Indicators (S1) Weter Marks (S1) (Nonriverine) Hydric Soil Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes Includes capillary fringe) Scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Able to all LRRs, unless otherwise noted.) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Reduced Vertic (F18) Redox Dark Surface (F6) Redox Dark Surface (F6) Redox Dark Surface (F7) Redox Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Multiply Matrix (B1) Salt Crust (B12) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Arine) Hydrogen Sulfide Odor (C1) Prisence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Imagery (B7) No X Depth (inches): Wetland Hydrology Present? Yes No X						- -					
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Saturation (A3)	Aquatic Invertebrates (B13)	Surfa	ce Water (A1)		Salt Cru	ıst (B11)				Water Marks (B	1) (Riverine	·)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2 Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial In Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Secribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	rine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) porriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) prine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) FAC-Neutral Test (D5) No X Depth (inches): No X Depth (inches): Wetland Hydrology Present? Yes No X	High	Water Table (A2)		Biotic C	rust (B12	2)			Sediment Depo	sits (B2) (Ri	verine)
Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Other (Explain in Remarks) Surface Water Present? Ves No X Depth (inches): Saturation Present? Yes Saturation Present? Yes No X Depth (inches): Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes No X Depth (inches): Saturation Present? Yes Saturation Visible on Aerial Inches Present Pre	Indiverine or in the control of the	Satur	ation (A3)		Aquatic	Inverteb	rates (B13)			Drift Deposits (I	33) (Riverin	e)
Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Other (Explain in Remarks) Pesence of Reduced Iron (C4) Saturation Visible on Aerial In Muck Surface (C7) Shallow Aquitard (D3) FAC-Neutral Test (D5) Factoriol (D5) Factoriol (D5) Wetland Hydrology Present? Yes No X Depth (inches): Saturation Present?	Presence of Reduced Iron (C4) Crayfish Burrows (C8) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) FAC-Neutral Test (D5) No X Depth (inches): No X Depth (inches): Wetland Hydrology Present? Yes No X	Wate	r Marks (B1) (Nonriv e	erine)	Hydroge	en Sulfid	e Odor (C1)			Drainage Patter	ns (B10)	
Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial In Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Social Cracks (B6) Saturation Visible on Aerial In Muck Surface (C7) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes includes capillary fringe) Social Cracks (B6) Saturation Visible on Aerial In Muck Surface (C7) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes includes capillary fringe)	Recent Iron Reduction in Tilled Soils (C6) Imagery (B7) Thin Muck Surface (C7) Other (Explain in Remarks) No X Depth (inches): No X	Sedin	nent Deposits (B2) (N	onriverine)	Oxidize	d Rhizos	pheres alon	g Living	Roots (C3)	Dry-Season Wa	iter Table (C	2)
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Social Vater Table Present? Yes No X Depth (inches): Socia	Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) FAC-Neutral Test (D5) NoX Depth (inches): NoX Depth (inches): Wetland Hydrology Present? Yes NoX NoX Depth (inches):	Drift [Deposits (B3) (Nonriv	erine)	Presend	ce of Red	duced Iron (C4)		Crayfish Burrow	/s (C8)	
Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Sincludes capillary fringe) Scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Other (Explain in Remarks) FAC-Neutral Test (D5) No X Depth (inches): No X Depth (inches): Wetland Hydrology Present? Yes No X	Surfa	ce Soil Cracks (B6)		Recent	Iron Red	luction in Till	ed Soils	s (C6)	Saturation Visib	le on Aerial	Imagery (C9
Field Observations: Surface Water Present? Yes	No X Depth (inches): No X Depth (inches): No X Depth (inches): Wetland Hydrology Present? Yes No)	Inund	ation Visible on Aeria	l Imagery (B	7) Thin Mu	ick Surfa	ace (C7)			Shallow Aquitar	d (D3)	
Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Unicludes capillary fringe) Secribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	No X Depth (inches): Wetland Hydrology Present? Yes No X	Wate	r-Stained Leaves (B9)	Other (E	Explain ir	n Remarks)			FAC-Neutral Te	st (D5)	
Vater Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes Saturation Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes includes capillary fringe) scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	No X Depth (inches): Wetland Hydrology Present? Yes No X	ield Obse	ervations:									
Saturation Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes includes capillary fringe) scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	No X Depth (inches): Wetland Hydrology Present? Yes No 2	Surface Wa	ater Present? Ye	s l	No X Depth	n (inches	s):					
includes capillary fringe) scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		Water Tabl	e Present? Ye	s I	No X Depth	n (inches	s):					
scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	auge, monitoring well, aerial photos, previous inspections), if available:	Saturation	Present? Ye	s I	No X Depth	n (inches	s):		Wetland Hydro	logy Present?	Yes	No
	auge, monitoring well, aerial photos, previous inspections), if available:											
emarks:		scribe Red	corded Data (stream o	gauge, moni	toring well, aerial	photos,	previous ins	pections	s), if available:			
		marks:										

roject/Site: <u>Delmar West</u>			City/County:	NOCKIIII						
pplicant/Owner: Building Engineerir	ng and Managem	nent, Inc.			State:	CA	Sampl	ing Point:	DP17	,
vestigator(s): D. Snider			Sectio	n, Township	o, Range: <u>Sectio</u>	n 8,Townshi	o 11 North	, Range 7	7 East	
indform (hillslope, terrace, etc.):	Hillslope		Local re	elief (concav	e, convex, none)	: None		Slop	oe (%):	1-3
ıbregion (LRR): Mediterranean Cali	ifornia (LRR C)	Lat:		38.8	1116489 Long	:	-121.225	4235	Datum	: NAD83
il Map Unit Name: 106 - Andre	egg coarse sandy	/ loam, 2 to 9%	% slopes		NWI CI	assification:	None			
e climatic / hydrologic conditions on	the site typical f	for this time of	year?	Yes	N	X	(If no, exp	olain in Re	emarks	.)
e Vegetation, Soil						Circumstance	es" preser	nt? Yes	X	_No
e Vegetation, Soil	, or Hydrology	·	naturally pro	oblematic?	(If needed, ex	plain any ans	swers in R	temarks.)		
UMMARY OF FINDINGS - A	ttach site ma	p showing	sampling	point loca	ations, transe	cts, impor	tant fea	tures, e	tc.	
drophytic Vegetation Present?	Yes	No X								
dric Soil Present?	Yes X	No		ampled Area a Wetland?			No	X		
etland Hydrology Present?	Yes X	No	- within a	a welland?					_	
marks:			•							
spect - aerial signature and downhi			ar much wett	er than norr	nal.					
-GETATION - Use scientific	riailles of pi	ants.			1					
		Absolute	Dominant	Indicator	Dominance Te					
Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Don					
					That Are OBL,	-ACW, or FA	.C:	1		(A)
					Total Number of					
					Species Across	All Strata:		3		(B)
					Ī -					_('')
					Percent of Dom	inant Specie	s			_(5)
		0	=Total Cove		Percent of Dom			33%		_(A/B)
		0	=Total Cove	r	That Are OBL,	FACW, or FA	.C:	-		_ ` ′
Sapling/Shrub Stratum (Plot size:)	0	=Total Cove	r	That Are OBL, Prevalence Inc.	FACW, or FA	.C:	-		_ ` ′
Sapling/Shrub Stratum (Plot size:)	0	=Total Cove	r	That Are OBL, Prevalence Inc Total % C	FACW, or FA	.C:	-		_``
Sapling/Shrub Stratum (Plot size: _)	0	=Total Cove	r 	Prevalence Inc Total % C OBL species	lex Workshe	c: eet: x1 =	33% Multiply 0		_``
Sapling/Shrub Stratum (Plot size: _)	0	=Total Cove	r 	Prevalence Inc Total % C OBL species FACW species	lex Workshe over of: 0	x1 =x2 =	33% Multiply 0		_ ` ′
Sapling/Shrub Stratum (Plot size: _)	0	=Total Cove	r	Prevalence Inc Total % C OBL species FACW species FAC species	lex Workshe over of: 0 0 35	x1 =x2 =x3 =	33% Multiply 0 0 105		_ ` ′
Sapling/Shrub Stratum (Plot size: _)				Prevalence Inc Total % C OBL species FACW species FAC species FACU species	lex Workshe over of: 0 0 35	x1 = x2 = x3 = x4 =	33% Multiply 0 0 105		_ ` ′
		0	=Total Cove		Prevalence Inc Total % C OBL species FACW species FAC species FACU species UPL species	lex Workshe over of: 0 0 35 0 60	x1 =x2 =x3 =x4 =x5 =	33% Multiply 0 0 105 0 300		_(A/B)
<u>Herb Stratum</u> (Plot size: <u>1 mete</u>		0	=Total Cove		Prevalence Inc Total % C OBL species FACW species FACU species FACU species UPL species Column Totals:	lex Workshe over of: 0 0 35 0 60 95	x1 =x2 =x3 =x4 =x5 =(A)	33% Multiply 0 0 105 0 300 405	by:	_ ` ′
<u>Herb Stratum</u> (Plot size: <u>1 mete</u> Festuca perennis		0 30	=Total Cove	r FAC	Prevalence Inc Total % C OBL species FACW species FAC species FACU species UPL species	lex Workshe over of: 0 0 35 0 60 95	x1 =x2 =x3 =x4 =x5 =(A)	33% Multiply 0 0 105 0 300	by:	_(A/B)
<u>Herb Stratum</u> (Plot size: <u>1 mete</u> Festuca perennis Centaurea solstitatis		0 30 20	=Total Cove	r FAC UPL	Prevalence Inc Total % C OBL species FACW species FAC species FACU species UPL species Column Totals: Prevalence In	lex Workshe bover of: 0 35 0 60 95 ndex = B/A =	C:	33% Multiply 0 0 105 0 300 405	by:	_(A/B)
Herb Stratum (Plot size: <u>1 mete</u> Festuca perennis Centaurea solstitatis Hypochaeris glabra	er ²)	0 30 20 40	=Total Cove	FAC UPL UPL	Prevalence Inc Total % C OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence II Hydrophytic V	lex Workshe over of: 0 0 35 0 60 95 ndex = B/A =	C:	33% Multiply 0 0 105 0 300 405	by:	_(A/B)
Herb Stratum (Plot size: <u>1 mete</u> Festuca perennis Centaurea solstitatis Hypochaeris glabra Anthemis cotula	er ²)	0 30 20 40 T	=Total Cove	FAC UPL UPL FACU	That Are OBL, Prevalence Inc Total % C OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence Ii Hydrophytic V Domin	Ex Workshee O	C:	33% Multiply 0 0 105 0 300 405	by:	_(A/B)
Herb Stratum (Plot size: <u>1 mete</u> Festuca perennis Centaurea solstitatis Hypochaeris glabra Anthemis cotula	er ²)	0 30 20 40	=Total Cove	FAC UPL UPL	That Are OBL, Prevalence Inc Total % C OBL species FACW species FAC species FACU species UPL species Column Totals: Prevalence Ii Hydrophytic V Domir Preva	lex Workshe over of: 0 0 35 0 60 95 ndex = B/A = egetation Inc	C:	33% Multiply 0 105 0 300 405	by:	_(A/B)
Herb Stratum (Plot size: <u>1 mete</u> Festuca perennis Centaurea solstitatis Hypochaeris glabra Anthemis cotula	er ²)	0 30 20 40 T	=Total Cove	FAC UPL UPL FACU	That Are OBL, Prevalence Inc Total % C OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence Ii Hydrophytic V	lex Workshe over of: 0 0 35 0 60 95 ndex = B/A = egetation Internal control in the control in t	C:	33% Multiply 0 0 105 0 300 405 4.3	by:	_(A/B)
Herb Stratum (Plot size: <u>1 mete</u> Festuca perennis Centaurea solstitatis Hypochaeris glabra Anthemis cotula	er ²)	0 30 20 40 T	=Total Cove	FAC UPL UPL FACU	That Are OBL, Prevalence Inc Total % C OBL species FACW species FACU species FACU species Column Totals: Prevalence Inc Hydrophytic V Domir Preva Morph data ii	lex Workshe over of: 0 0 35 0 60 95 ndex = B/A = egetation Included the second control of the second control	C:	33% Multiply 0 0 105 0 300 405 4.3	by:	(A/B)
Herb Stratum (Plot size: <u>1 mete</u> Festuca perennis Centaurea solstitatis Hypochaeris glabra Anthemis cotula	er ²)	0 30 20 40 T	=Total Cove X X X	FAC UPL FACU FAC	That Are OBL, Prevalence Inc Total % C OBL species FACW species FACU species FACU species Column Totals: Prevalence Inc Hydrophytic V Domir Preva Morph data ii	lex Workshe over of: 0 0 35 0 60 95 ndex = B/A = egetation Internal control in the control in t	C:	33% Multiply 0 0 105 0 300 405 4.3	by:	(A/B)
Herb Stratum (Plot size: _1 mete Festuca perennis Centaurea solstitatis Hypochaeris glabra Anthemis cotula Hordeum marinum	er ² _)	0 30 20 40 T 5	=Total Cove	FAC UPL FACU FAC	That Are OBL, Prevalence Inc Total % C OBL species FACW species FAC species UPL species Column Totals: Prevalence Inc Hydrophytic V Domir Preva Morph data is Proble	lex Workshe over of: 0 0 35 0 60 95 ndex = B/A = egetation Incompact Test is lence Index is cological Ada in Remarks of ematic Hydron	C:	Multiply 0 0 105 0 300 405 4.3	upport et) Explair	(A/B)
Herb Stratum (Plot size: <u>1 mete</u> Festuca perennis Centaurea solstitatis Hypochaeris glabra Anthemis cotula Hordeum marinum	er ² _)	0 30 20 40 T 5	=Total Cove X X X	FAC UPL FACU FAC	That Are OBL, Prevalence Inc Total % C OBL species FACW species FACU species FACU species Column Totals: Prevalence Inc Hydrophytic V Domir Preva Morph data in	lex Workshe over of: 0 0 35 0 60 95 ndex = B/A = egetation Includes isological Ada in Remarks of ematic Hydrolydric soil and	C:	Multiply 0 0 105 0 300 405 4.3	upport et) Explair	(A/B)
Herb Stratum (Plot size: <u>1 mete</u> Festuca perennis Centaurea solstitatis Hypochaeris glabra Anthemis cotula Hordeum marinum	er ² _)	0 30 20 40 T 5	=Total Cove X X X	FAC UPL FACU FAC	That Are OBL, Prevalence Inc Total % C OBL species FACW species FACU species Column Totals: Prevalence Inc Prevalence Inc Indicators of his persent, union	lex Workshe over of: 0 0 35 0 60 95 ndex = B/A = egetation Includes isological Ada in Remarks of ematic Hydrolydric soil and	C:	Multiply 0 0 105 0 300 405 4.3	upport et) Explair	(A/B)
Sapling/Shrub Stratum (Plot size:	er ² _)	0 30 20 40 T 5	=Total Cove X X X	FAC UPL FACU FAC	Prevalence Inc Total % C OBL species FACW species FACU species FACU species UPL species Column Totals: Prevalence Inc Hydrophytic V Domin Preva Proble 1 Indicators of hibe present, unle	lex Workshe over of: 0 0 35 0 60 95 ndex = B/A = egetation Includes isological Ada in Remarks of ematic Hydrolydric soil and	C:	Multiply 0 0 105 0 300 405 4.3	upport et) Explair	(A/B)
Herb Stratum (Plot size: <u>1 mete</u> Festuca perennis Centaurea solstitatis Hypochaeris glabra Anthemis cotula Hordeum marinum	er ² _)	0 30 20 40 T 5	=Total Cove X X X x =Total Cove	FAC UPL FACU FAC	That Are OBL, Prevalence Inc Total % C OBL species FACW species FACU species Column Totals: Prevalence Inc Prevalence Inc Indicators of his persent, union	lex Workshe over of: 0 0 35 0 60 95 ndex = B/A = egetation Includes isological Ada in Remarks of ematic Hydrolydric soil and	C:	Multiply 0 0 105 0 300 405 4.3	upport et) Explair must	(A/B)

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Locat Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sendy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) Restrictive Layer (if present):	Texture Remarks Indy loam Ition: PL=Pore Lining, M=Matrix. Ition: PL=Po
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: (Applicable to all LRRs, unless otherwise	tion: PL=Pore Lining, M=Matrix. dicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Fype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Post	tion: PL=Pore Lining, M=Matrix. dicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Stripped Matrix (S6) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Tom Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) estrictive Layer (if present): ype: epth (inches): DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Indicators (minimum of one required; check all that apply) Sardy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Hydric Hydric	dicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Stripped Matrix (S6) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Tom Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) estrictive Layer (if present): ype: epth (inches): DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Indicators (minimum of one required; check all that apply) Sardy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Hydric Hydric	dicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Pestrictive Layer (if present): ype: peth (inches): DROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Biotic Crust (B12)	dicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Pestrictive Layer (if present): ype: peth (inches): DROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Biotic Crust (B12)	dicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Improve Improved Present (Inches): DROLOGY Wetland Hydrology Indicators: Intrinsic Validation (Inches): Sandy Indicators (Inches): DROLOGY Wetland Hydrology Indicators: Intrinsic Validation (Inches): Sandy Indicators (Inches): Sandy Indicators (Inches): Sandy Indicators (Inches): Hydric Biotic Crust (B11) High Water Table (A2) Biotic Crust (B12)	dicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Algoric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Stripped Matrix (S6) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): DROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Biotic Crust (B12)	dicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Algoric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Stripped Matrix (S6) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): DROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Biotic Crust (B11) Biotic Crust (B12)	dicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Depleted Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Mydric Metland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12)	1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Depleted Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Mydric Metland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12)	1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Depleted Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Hydric DROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12)	2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Black Histic (A3)	Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks)
Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): DEPOLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Hydric Hydric Salt Crust (B11) Biotic Crust (B12)	Red Parent Material (TF2) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Hydric DROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12)	Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): ype: Depth (inches): DROLOGY Vetland Hydrology Indicators: Irimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Depleted Below Dark Surface (A11)	wetland hydrology must be present, unless disturbed or problematic.
Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Popeth (inches): Hydric Paramarks: DROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) Destrictive Layer (if present): Lepth (inches): DROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Solit Crust (B11) Biotic Crust (B12)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Gleyed Matrix (S4) lestrictive Layer (if present): ype:	unless disturbed or problematic.
DROLOGY Wetland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Since Crust (B12)	
DROLOGY Vetland Hydrology Indicators: Irimary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) SIRCULUS (B11) Biotic Crust (B12)	
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Biotic Crust (B12)	
Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Salt Crust (B11) Biotic Crust (B12)	
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Biotic Crust (B12)	
Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12)	Secondary Indicators (2 or more required)
High Water Table (A2) Biotic Crust (B12)	Water Marks (B1) (Riverine)
<u> </u>	Sediment Deposits (B2) (Riverine)
Addition (Ab)	Drift Deposits (B2) (Riverine)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine) X Oxidized Rhizospheres along Living Root	
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6)	
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Other (Explain in Remarks)	FAC-Neutral Test (D5)
	17.0-11cuttuti 1cst (50)
ield Observations: ourface Water Present? Yes No X Depth (inches):	
· · · /	tland Hydrology Present? Yes X No
ncludes capillary fringe)	and Hydrology Frederics 165 A NO
scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if a	
marka.	available:
marks:	available:
	available:

Project/Site:	Delmar West			City/County:	Rocklin				_ Sam	pling Da	ite:	07/19/23
Applicant/Owner:	Building Engineering	ng and Managen	nent, Inc.				State: 0	CA	Sam	pling Po	int: DP18	
nvestigator(s):	D. Snider			Section	n, Township	, Range:	Section	8,Townsh	ip 11 No	rth, Ran	ge 7 East	
_andform (hillslop	e, terrace, etc.):	Hillslope		Local re	lief (concav	e, convex	none): I	None		;	Slope (%):	2-5
Subregion (LRR):	Mediterranean Cal	ifornia (LRR C)	Lat:	_	38.8	1281768	Long:		-121.22	235446	Datum	: NAD83
Soil Map Unit Nan	ne: 106 - Andre	egg coarse sand	y loam, 2 to 9%	slopes		1	NWI Clas	ssification:	None			
•	rologic conditions or				Yes					explain ir	n Remarks.	.)
Are Vegetation	, Soil	, or Hydrology	,	significantly	_		_		_		Yes X	
Are Vegetation	, Soil							lain any ar	•			
_	FINDINGS - A							-			•	
Hydrophytic Vege	tation Present?	Yes X	No									
Hydric Soil Preser		Yes X	No		mpled Area	3	Yes	Х	No			
Wetland Hydrolog			No	within a	Wetland?		-					
Remarks:	,,,											
	nuch wetter than no		ants									
VEGETATION	- Ose scientini	names of p	ants.			,						
	(Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Number	of Domir	t workshe nant Speci ACW, or F	es		4	(4)
1. 						Total Nu	mher of I	Dominant	_		1	_(A)
2.			· -					All Strata:			1	(B)
o 1									_			_(D)
T			0	=Total Cover				ant Specie ACW, or F		10	0%	(A/B)
				10101 00101		111017110	ODL, 17	1011, 0117			70	_(,,,,
Sapling/Shrub	Stratum (Plot size:)				Prevaler	ce Inde	x Worksh	eet:			
1.	<u></u> (,					al % Cov			Multi	ply by:	
··· <u></u>						OBL spe		7	x1 =		<u>7</u>	_
3.						FACW s	-	0	x2 =		0	-
4.						FAC spe	_	85	x3 =	2	55	_
5.						FACU sp	-	8	x4 =	3	32	_
			0	=Total Cover		UPL spe	cies		x5 =		0	_
Herb Stratum	(Plot size: _1 mete	<u>er²</u>)				Column -	_	100	(A)	2	94	(B)
1. Festuca pere	· . –		80	Χ	FAC	Preval	ence Ind	lex = B/A =		2.9		_ ` ′
2. Mentha pule	gium		2		OBL							_
B. Persicaria hy			5		OBL	Hydroph	ytic Veg	getation In	dicator	s:		
4. Digitaria san	guinalis		1		FACU	X	Domina	nce Test i	s >50%			
5. Anthemis co	tula		2		FACU	X	Prevale	nce Index	is $\leq 3.0^{1}$			
6. Poa palustris	S		5		FAC		Morphol	logical Ada	aptations	1 (Provid	de supporti	ng
7. Festuca arur	ndinacea		5		FACU			Remarks o				
8.							Problem	natic Hydro	phytic V	egetatio	n¹ (Explain)
	ratum (Plot size: _		100	=Total Cover	•		,	ric soil and		,	0,	
1 2.						'			1			
				=Total Cover		Hydroph						
% Bare Ground	d in Herb Stratum	0		Biotic Crust	0	Vegetati Present			Yes	X	No	
Remarks:			,, 55,01 01			. 1030110	•					

Depth	Matrix			Redox Featu	ıres					
inches)	Color (moist)	%	Color (mois	t) %	Type ¹	Loc ²	Texture	Э	Rema	arks
)-12	10YR 4/1	90	7.5YR 4/6	10	С	PL	sandy loan	n		
	· -									
	· -									
	· -									
					'-					
Type: C=C	concentration, D=Depleti	ion, RM=Red	uced Matrix, CS	=Covered or Co	oated San	d Grains.	² Location: PL=	Pore Lining, M=M	atrix.	
Hydric So	il Indicators: (Appli	cable to all	LRRs, unless	s otherwise n	oted.)		Indicators	for Problemati	c Hydric Soils	s³:
Histo	sol (A1)		San	idy Redox (S5	5)		1 cm	Muck (A9) (LRF	R C)	
Histic	Epipedon (A2)		Stri	pped Matrix (S	36)		2 cm	Muck (A10) (LR	RB)	
Black	Histic (A3)		Loa	my Mucky Mi	neral (F1)	١	Redu	iced Vertic (F18)		
Hydro	ogen Sulfide (A4)		Loa	my Gleyed Ma	atrix (F2)		Red I	Parent Material (TF2)	
Strati	fied Layers (A5) (LRF	R C)	Dep	oleted Matrix (F3)		Other	r (Explain in Ren	narks)	
1 cm	Muck (A9) (LRR D)		Red	lox Dark Surfa	ace (F6)					
Deple	eted Below Dark Surf	ace (A11)	Dep	oleted Dark Su	urface (F7	')				
Thick	Dark Surface (A12)			dox Depressio			3	Indicators of hyd	drophytic veget	tation and
Sand	y Mucky Mineral (S1))	Ver	nal Pools (F9))			wetland hydro		
Sand	y Gleyed Matrix (S4)							unless distu	bed or probler	matic.
estrictive	e Layer (if present):									
уре:			<u> </u>			Ну	rdric Soil Pre	esent?	Yes X	No
Гуре: Depth (incl marks:			<u></u>			Ну	dric Soil Pre	esent?	Yes X	<u> No</u>
ype:	hes):					Ну	rdric Soil Pre	esent?	Yes X	. No
Type:	hes): Y lydrology Indicators					ну	rdric Soil Pre			
DROLOG Wetland H Primary Inc	hes): Y lydrology Indicators dicators (minimum of					Ну	rdric Soil Pre	Secondary Indic	cators (2 or mo	ore required)
Depth (incl marks: DROLOG Vetland H	hes): Y Nydrology Indicators dicators (minimum of ce Water (A1)		Salt	t Crust (B11)		Ну	rdric Soil Pre	Secondary Indio	cators (2 or mo	ore required)
Depth (incl marks: DROLOG Vetland H Surfa High	hes): Y Nydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2)		Salt	t Crust (B11) tic Crust (B12)			rdric Soil Pre	Secondary Indio Water Mai Sediment	cators (2 or mo rks (B1) (River Deposits (B2)	ore required) rine) (Riverine)
DROLOG Wetland H Surfa High Satur	hes): Ny Nydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ation (A3)	one require	Salt Biot Aqu	t Crust (B11) tic Crust (B12) natic Invertebr	ates (B13)	rdric Soil Pre	Secondary Indio Water Mai Sediment Drift Depo	cators (2 or mo rks (B1) (River Deposits (B2) sits (B3) (Rive	ore required) rine) (Riverine) rine)
DROLOG Wetland H Surfa High Satur Wate	hes): Ny Nydrology Indicators dicators (minimum of ice Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriv	one require	Salt Biot Aqu Hyd	t Crust (B11) tic Crust (B12) atic Invertebr Irogen Sulfide	ates (B13 Odor (C))		Secondary India Water Mai Sediment Drift Depo Drainage	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10)	ore required) rine) (Riverine) rine)
DROLOG Wetland H Surfa High Satur Wate Sedir	hes): Iy Iydrology Indicators dicators (minimum of Ice Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriv ment Deposits (B2) (N	one require rerine) Nonriverine	Salt Biot Aqu Hyd X Oxide	t Crust (B11) tic Crust (B12) natic Invertebr Irogen Sulfide dized Rhizosp	ates (B13 Odor (Contract)	·) 1) ng Living		Secondary India Water Mar Sediment Drift Depo Drainage	cators (2 or mo rks (B1) (River Deposits (B2) sits (B3) (Rive Patterns (B10) on Water Table	ore required) rine) (Riverine) rine)
DROLOG Wetland H Surfa High Satur Wate Sedir Drift I	hes): Iy Iydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriv ment Deposits (B2) (Nonriv Deposits (B3) (Nonriv	one require rerine) Nonriverine	Salt — Salt — Biot — Aqu — Hyd — Y — Y — Pre-	t Crust (B11) tic Crust (B12) atic Invertebr Irogen Sulfide dized Rhizosp sence of Redi	ates (B13 Odor (Conheres alcondered Iron	i) 1) ng Living (C4)	Roots (C3)	Secondary India Water Mar Sediment Drift Depo Drainage I Dry-Seaso Crayfish B	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Tables	ore required) rine) (Riverine) rine)
Depth (incl marks: DROLOG Wetland H Surfa High Satur Wate Sedir Drift I Surfa	hes): Iy Iydrology Indicators dicators (minimum of Ice Water (A1) Water Table (A2) ration (A3) r Marks (B1) (Nonriv Inent Deposits (B2) (Nonriv Ice Soil Cracks (B6)	one require rerine) Nonriverine verine)	Salt Biot Aqu Hyd X Oxi Pre-	t Crust (B11) tic Crust (B12) tatic Invertebr trogen Sulfide dized Rhizosp sence of Reducent Iron Redu	ates (B13 Odor (Conheres alconuced Iron Juction in T	i) 1) ng Living (C4)	Roots (C3)	Secondary India Water Mai Sediment Drift Depo Drainage Dry-Seaso Crayfish E	cators (2 or more rks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Tables surrows (C8)	ore required) rine) (Riverine) rine)
Depth (incl marks: DROLOG Wetland H Surfa High Satur Wate Sedir Drift I Surfa Inunc	hes): Ay Industry Indus	one require verine) verine) verine)	Salt Salt	t Crust (B11) tic Crust (B12) tatic Invertebr Irogen Sulfide dized Rhizosp sence of Redi cent Iron Redu n Muck Surface	ates (B13 Odor (Control of the control of the contr	n) 1) ong Living (C4) iilled Soils	Roots (C3)	Secondary Indic Water Mai Sediment Drift Depo Drainage I Dry-Seaso Crayfish E Saturation Shallow A	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Table surrows (C8) Visible on Aer quitard (D3)	ore required) rine) (Riverine) rine)
Depth (incl marks: Depth (incl marks: Depth (incl marks: Depth (incl Depth (incl Surfa High Satur Wate Sedir Drift I Surfa Inunc Wate	hes): Ay Indicators (minimum of oce Water (A1) Water Table (A2) Pation (A3) In Marks (B1) (Nonriver (B1) In More (B2) (Nonriver (B3)) In Marks (B3) (Nonriver (B3)) In Marks (B3) (Nonriver (B3)) In Marks (B4) (Nonriver (B3)) In Marks (B4) (Nonriver (B4)) In Marks (B4)	one require verine) verine) verine)	Salt Salt	t Crust (B11) tic Crust (B12) tatic Invertebr trogen Sulfide dized Rhizosp sence of Reducent Iron Redu	ates (B13 Odor (Control of the control of the contr	n) 1) ong Living (C4) iilled Soils	Roots (C3)	Secondary Indic Water Mai Sediment Drift Depo Drainage I Dry-Seaso Crayfish E Saturation Shallow A	cators (2 or more rks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Tables surrows (C8)	ore required) rine) (Riverine) rine)
Depth (incl marks: Depth (incl marks: Depth (incl marks: Depth (incl marks: Sufa High Satur Wate Sedir Drift I Surfa Inunc Wate	hes): Ay Indicators (minimum of oce Water (A1) Water Table (A2) Pation (A3) In Marks (B1) (Nonriver) In Marks (B3) (Nonriver) In Marks (B6) (erine) Nonriverine verine) al Imagery (Salt Biot Aqu Hyd Hyd Pre: Rec B7)	t Crust (B11) tic Crust (B12) tatic Invertebr Irogen Sulfide dized Rhizosp sence of Redi cent Iron Redu n Muck Surfac er (Explain in	ates (B13 Odor (Conteres alcouced Iron Juction in Tote (C7)	n) 1) ong Living (C4) iilled Soils	Roots (C3)	Secondary Indic Water Mai Sediment Drift Depo Drainage I Dry-Seaso Crayfish E Saturation Shallow A	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Table surrows (C8) Visible on Aer quitard (D3)	ore required) rine) (Riverine) rine)
Depth (incl marks: Depth (incl marks: Depth (incl marks: Depth (incl marks: Depth (incl Metland F Drift I Surfa Surfa Surfa Inunc Wate	hes): Ay Industry Indus	erine) Nonriverine verine) al Imagery (Salt Salt	t Crust (B11) tic Crust (B12) tatic Invertebre trogen Sulfide dized Rhizospesence of Reducent Iron Reducent Muck Surfacer (Explain in	ates (B13 Odor (Conheres ald uced Iron uction in Toe (C7) Remarks	ong Living (C4) (C4)	Roots (C3)	Secondary Indic Water Mai Sediment Drift Depo Drainage I Dry-Seaso Crayfish E Saturation Shallow A	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Table surrows (C8) Visible on Aer quitard (D3)	ore required) rine) (Riverine) rine)
Depth (incl marks: DROLOG Wetland F Primary Inc Surfa High Satur Vate Sedir Drift I Surfa Inunc Wate Field Obs Surface W	hes): Ay Industry Indus	erine) Nonriverine verine) al Imagery (Salt Salt	t Crust (B11) tic Crust (B12) tatic Invertebre trogen Sulfide dized Rhizospesence of Reducent Iron Reducent Muck Surfacer (Explain in the pepth (inches)	ates (B13 c Odor (C c)heres alc uced Iron uction in T ce (C7) Remarks	n) 1) ong Living (C4) Tilled Soils	Roots (C3)	Secondary India Water Mai Sediment Drift Depo Drainage Dry-Seasc Crayfish B Saturation Shallow A FAC-Neut	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Table surrows (C8) Visible on Aer quitard (D3) ral Test (D5)	ore required) rine) (Riverine) rine) e (C2) rial Imagery (C9
Depth (incl marks: Depth (incl marks: Depth (incl marks: Depth (incl marks: Depth (incl Metland Forting Incl Surfa Surfa Surfa Inunc Wate Field Obs. Surface W Water Tab Saturation	hes): AY Individual of the state of the st	erine) Nonriverine verine) al Imagery (Salt Salt	t Crust (B11) tic Crust (B12) tatic Invertebre trogen Sulfide dized Rhizospesence of Reducent Iron Reducent Muck Surfacer (Explain in	ates (B13 c Odor (C c)heres alc uced Iron uction in T ce (C7) Remarks	n) 1) ong Living (C4) Tilled Soils	Roots (C3)	Secondary Indic Water Mai Sediment Drift Depo Drainage I Dry-Seaso Crayfish E Saturation Shallow A	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Table surrows (C8) Visible on Aer quitard (D3) ral Test (D5)	ore required) rine) (Riverine) rine) e (C2) rial Imagery (C9
Depth (incl marks: Surfa High Satur Wate Sedir Drift I Surfa Inunc Wate Field Obse Surface W Water Tab Saturation includes of	hes): Ay Industry Indus	erine) Nonriverine verine) al Imagery (Salt Biot Aqu Hyd Hyd Pre: Rec B7 Thir Oth No X D D D D D D D D D	t Crust (B11) tic Crust (B12) tatic Invertebre trogen Sulfide dized Rhizospecence of Reducent Iron Reducen Muck Surfacer (Explain in tepth (inches) tepth (inches)	ates (B13 dot (C' otheres alc uced Iron uction in T ce (C7) Remarks	n) 1) ong Living (C4) illed Soils	Roots (C3)	Secondary India Water Mai Sediment Drift Depo Drainage I Dry-Seaso Crayfish B Saturation Shallow A FAC-Neut	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Table surrows (C8) Visible on Aer quitard (D3) ral Test (D5)	ore required) rine) (Riverine) rine) e (C2) rial Imagery (C9
Depth (incl marks: Surfa High Satur Wate Sedir Drift I Surfa Inunc Wate Field Obse Surface W Water Tab Saturation includes of	hes): AY Individual of the state of the st	erine) Nonriverine verine) al Imagery (Salt Biot Aqu Hyd Hyd Pre: Rec B7 Thir Oth No X D D D D D D D D D	t Crust (B11) tic Crust (B12) tatic Invertebre trogen Sulfide dized Rhizospecence of Reducent Iron Reducen Muck Surfacer (Explain in tepth (inches) tepth (inches)	ates (B13 dot (C' otheres alc uced Iron uction in T ce (C7) Remarks	n) 1) ong Living (C4) illed Soils	Roots (C3)	Secondary India Water Mai Sediment Drift Depo Drainage I Dry-Seaso Crayfish B Saturation Shallow A FAC-Neut	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Table surrows (C8) Visible on Aer quitard (D3) ral Test (D5)	ore required) rine) (Riverine) rine) e (C2) rial Imagery (C9
Depth (incl marks: Surfa High Satur Wate Sedir Drift I Surfa Inunc Wate Field Obse Surface W Water Tab Saturation includes of	hes): Ay Industry Indus	erine) Nonriverine verine) al Imagery (Salt Biot Aqu Hyd Hyd Pre: Rec B7 Thir Oth No X D D D D D D D D D	t Crust (B11) tic Crust (B12) tatic Invertebre trogen Sulfide dized Rhizospecence of Reducent Iron Reducen Muck Surfacer (Explain in tepth (inches) tepth (inches)	ates (B13 dot (C' otheres alc uced Iron uction in T ce (C7) Remarks	n) 1) ong Living (C4) illed Soils	Roots (C3)	Secondary India Water Mai Sediment Drift Depo Drainage I Dry-Seaso Crayfish B Saturation Shallow A FAC-Neut	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Table surrows (C8) Visible on Aer quitard (D3) ral Test (D5)	ore required) rine) (Riverine) rine)
Depth (incl marks: DROLOG Wetland F Primary Inc Surfa High Satur Wate Sedir Drift I Surfac Under Surfac Wate Surface W Nater Tab Saturation includes c scribe Rec	hes): Ay Industry Indus	erine) Nonriverine verine) al Imagery (Salt Biot Aqu Hyd Hyd Pre: Rec B7 Thir Oth No X D D D D D D D D D	t Crust (B11) tic Crust (B12) tatic Invertebre trogen Sulfide dized Rhizospecence of Reducent Iron Reducen Muck Surfacer (Explain in tepth (inches) tepth (inches)	ates (B13 dot (C' sheres alc uced Iron uction in T ce (C7) Remarks	n) 1) ong Living (C4) illed Soils	Roots (C3)	Secondary India Water Mai Sediment Drift Depo Drainage I Dry-Seaso Crayfish B Saturation Shallow A FAC-Neut	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Table surrows (C8) Visible on Aer quitard (D3) ral Test (D5)	ore required) rine) (Riverine) rine) e (C2) rial Imagery (C9)
DROLOG Wetland H Primary In Surfa High Satur Wate Sedir Unift I Surfac Hono Wate Sedir Surfac Hono Wate Sedir Surfac Hono Wate Serfac Hono Wate Surfac Wate Field Obs Saturation includes o	hes): Ay Industry Indus	erine) Nonriverine verine) al Imagery (Salt Biot Aqu Hyd Hyd Pre: Rec B7 Thir Oth No X D D D D D D D D D	t Crust (B11) tic Crust (B12) tatic Invertebre trogen Sulfide dized Rhizospecence of Reducent Iron Reducen Muck Surfacer (Explain in tepth (inches) tepth (inches)	ates (B13 dot (C' sheres alc uced Iron uction in T ce (C7) Remarks	n) 1) ong Living (C4) illed Soils	Roots (C3)	Secondary India Water Mai Sediment Drift Depo Drainage I Dry-Seaso Crayfish B Saturation Shallow A FAC-Neut	cators (2 or morks (B1) (River Deposits (B2) sits (B3) (River Patterns (B10) on Water Table surrows (C8) Visible on Aer quitard (D3) ral Test (D5)	ore required) rine) (Riverine) rine) e (C2) rial Imagery (C9

Project/Site:	Delmar West			City/County:	Rocklin			Samp	oling Date:		07/19/23
Applicant/Owner:	Building Engineering	ng and Managem	ent, Inc.			State:	CA	Samp	oling Point:	DP19	9
Investigator(s):	D. Snider			Sectio	n, Township	, Range: Section	8,Township	11 Nor	th, Range	7 East	
Landform (hillslop	e, terrace, etc.):	Hillslope		Local re	elief (concav	e, convex, none):	None		Slo	pe (%):	2-5
Subregion (LRR):	Mediterranean Cali	ifornia (LRR C)	Lat:	_	38	3.812706 Long:		-121.22	35277	Datum	n: NAD83
Soil Map Unit Nan	ne: 106 - Andre	egg coarse sandy	loam, 2 to 9%	slopes			ssification:				
Are climatic / hvdr	ologic conditions on				Yes		Х		xplain in R	emarks	s.)
•	, Soil	• • • • • • • • • • • • • • • • • • • •		•	-						
Are Vegetation	, Soil					(If needed, exp		•			
_	FINDINGS - A						,		·		
Hydrophytic Vege	tation Present?	Yes	No X								
Hydric Soil Preser			No X		impled Area	Yes		No	X		
Wetland Hydrolog			No St	within a	Wetland?			_		_	
Remarks:	,										
	on to DP 18. Rain ye										
VEGETATION	 Use scientific 	names of pi	ants.								
			Absolute	Dominant	Indicator	Dominance Tes	t workshee	t:			
Tree Stratum	(Plot size:)	% Cover	Species?	Status	Number of Domi					
1						That Are OBL, F.	ACW, or FA	C:	0		(A)
2.						Total Number of	Dominant	· ·			
3.		_	_			Species Across	All Strata:		2		(B)
4.						Percent of Domii	nant Specie				
		_	0	=Total Cove	r	That Are OBL, F.			0%		_(A/B)
Sapling/Shrub	Stratum (Plot size: _)				Prevalence Inde	ex Workshe	et:			
1						Total % Co	ver of:		Multiply	by:	_
2			·			OBL species	0	x1 =	0		_
3						FACW species	0	x2 =	0		_
4			·			FAC species	10	x3 =	30		_
5						FACU species	80	x4 =	320		_
			0	=Total Cove	r	UPL species	10	x5 =	50		_
Herb Stratum	(Plot size: _1 mete	<u>er²</u>)				Column Totals:	100	(A)	400		_(B)
1. Anthemis cot	tula		40	X	FACU	Prevalence Inc	dex = B/A =		4.0		
2. Festuca arur	ndinacea		20	X	FACU						
3. Centaurea so	olstatilis		10		UPL	Hydrophytic Ve	getation Inc	licators	:		
4. Festuca pere	ennis		10		FAC	Domina	ance Test is	>50%			
5. Digitaria san	guinalis		10		FACU	Prevale	ence Index is	s ≤3.0 ¹			
6. Festuca m yu	iros		10		FACU	Morpho	ological Ada	otations ¹	(Provide s	support	ing
7.		_	_				Remarks or				Ü
8.						Probler	matic Hydror	hytic Ve	egetation ¹	(Explair	٦)
			100	=Total Cove	r						
Woody Vine St	ratum (Plot size: _)				¹ Indicators of hyd	dric soil and	wetland	hydrology	must	
1						be present, unles	ss disturbed	or probl	ematic.		
2.		_	_			Hydrophytic					
				=Total Cove	r	Vegetation					
% Bare Ground	I in Herb Stratum	0	% Cover of	Biotic Crust	0	Present?		Yes	N	o2	<u> </u>
Remarks:											

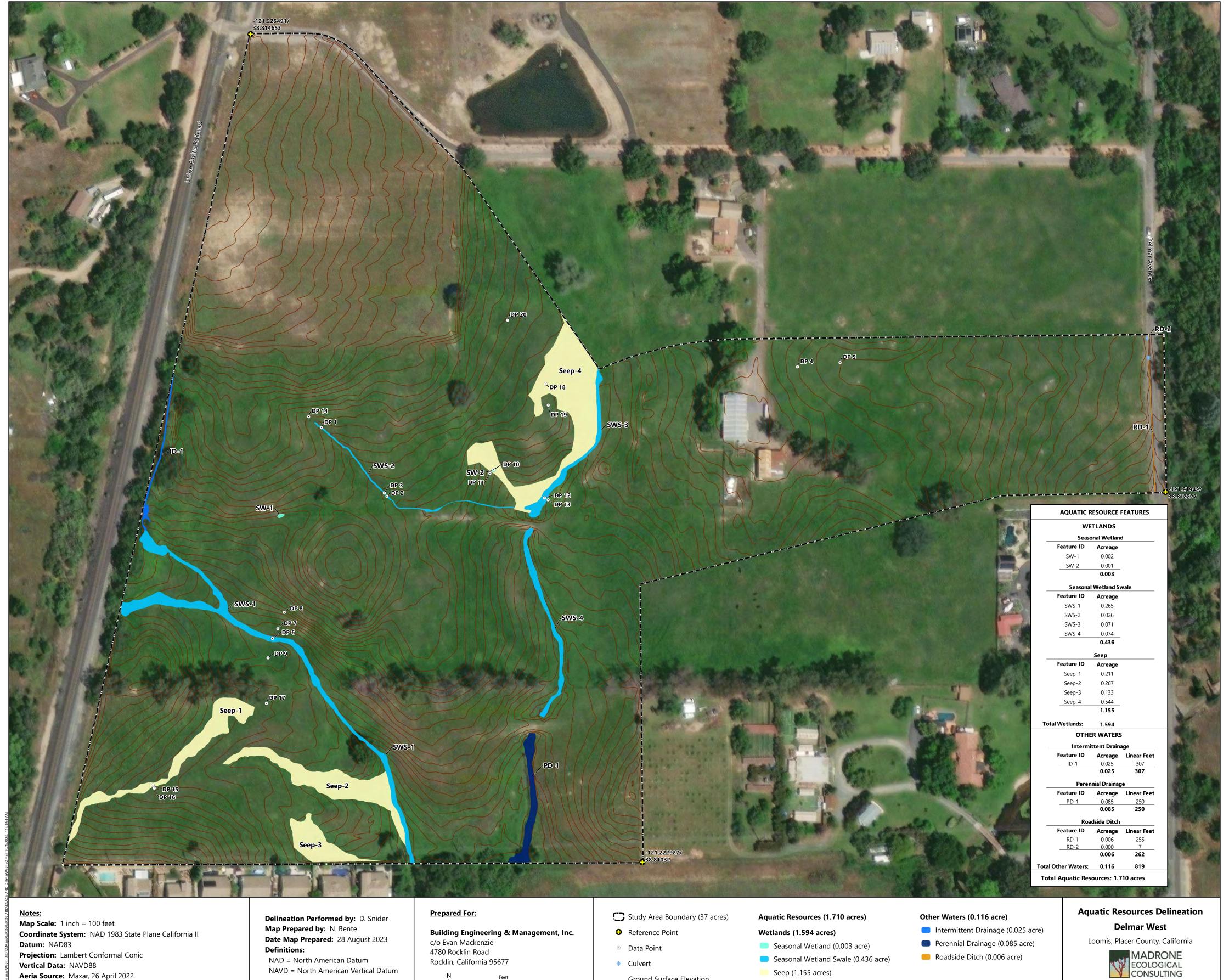
	Matrix		Re	dox Featu	ıres		_			
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
1-6	10YR 3/2	95	10YR 3/4	5	С	PL	sandy loam			
	. '			,						
Гуре: C=C	oncentration, D=Depletion	n, RM=Redu	uced Matrix, CS=Co	vered or Co	oated Sand	d Grains.	² Location: PL=Por	e Lining, M=Matrix.		
lydric Soi	I Indicators: (Applica	able to all	LRRs, unless oth	nerwise n	oted.)		Indicators fo	r Problematic Hyd	ric Soils³:	
Histos	sol (A1)		Sandy F	Redox (S5	5)		1 cm Mu	ick (A9) (LRR C)		
Histic	Epipedon (A2)		Stripped	d Matrix (S	56)		2 cm Mu	ick (A10) (LRR B)		
Black	Histic (A3)			Mucky Mir	, ,		Reduced	d Vertic (F18)		
Hydro	gen Sulfide (A4)		Loamy	Gleyed Ma	atrix (F2)		Red Par	ent Material (TF2)		
Stratif	fied Layers (A5) (LRR	C)	Deplete	d Matrix (F3)		Other (E	xplain in Remarks)		
1 cm	Muck (A9) (LRR D)		Redox [Dark Surfa	ace (F6)					
Deple	ted Below Dark Surfac	ce (A11)		d Dark Su	•	7)				
Thick	Dark Surface (A12)			Depressio	. ,		³ Ind	icators of hydrophy	tic vegetation	n and
Sand	y Mucky Mineral (S1)		Vernal F	Pools (F9))			etland hydrology m		
Sand	y Gleyed Matrix (S4)							unless disturbed o	r problematic	
estrictive	Layer (if present):									
уре:										
epth (inch	nes):					Ну	dric Soil Prese	nt? Y	es	No
marks: Sn	ovel refusal at 6 inche	·5.								
marks: Sn	over refusal at 0 illone:	·5.				·				
marks: Sn	over refusar at 6 more:	is.				·				
DROLOG	Y									
DROLOG Vetland H	Y ydrology Indicators:									
DROLOG Vetland H Primary Inc	Y ydrology Indicators: dicators (minimum of o		•				Se	condary Indicators		equired)
DROLOG Vetland H Primary Inc Surfa	Y ydrology Indicators: dicators (minimum of o ce Water (A1)		Salt Cru	ıst (B11)			Se	Water Marks (B	1) (Riverine)	
DROLOG Vetland H Primary Inc Surfa	Y ydrology Indicators: ticators (minimum of o ce Water (A1) Water Table (A2)		Salt Cru Biotic C	ıst (B11) rust (B12)			<u>Se</u>	Water Marks (B' Sediment Depos	1) (Riverine) sits (B2) (Rive	erine)
DROLOG Vetland H Primary Inc Surfar High	y ydrology Indicators: dicators (minimum of o ce Water (A1) Water Table (A2) ation (A3)	one require	Salt Cru Biotic C Aquatic	rust (B11) rust (B12) Invertebra	ates (B13	•		Water Marks (B' Sediment Depos Drift Deposits (B	1) (Riverine) sits (B2) (Rive 3) (Riverine)	erine)
DROLOG Vetland H Vrimary Inc Surfar High Satur	ydrology Indicators: dicators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive	one required	Salt Cru Biotic C Aquatic Hydroge	ust (B11) rust (B12) Invertebra en Sulfide	ates (B13 Odor (C	1)		Water Marks (B' Sediment Depos Drift Deposits (B Drainage Pattern	1) (Riverine) sits (B2) (Rive 3) (Riverine) ns (B10)	erine)
DROLOG Vetland H Primary Inc Surfa High Satura Watee	ydrology Indicators: dicators (minimum of of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivenent Deposits (B2) (No	one required rine) porriverine)	Salt Cru Biotic C Aquatic Hydroge X Oxidizer	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp	ates (B13 Odor (C oheres alc	1) ong Living	Se	Water Marks (B' Sediment Depos Drift Deposits (B Drainage Pattern Dry-Season Water	1) (Riverine) sits (B2) (Rive 3) (Riverine) ns (B10) ter Table (C2	erine)
DROLOG Vetland H Primary Inc Surfac High V Satura Watel Sedin Drift E	y ydrology Indicators: dicators (minimum of of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrivenent Deposits (B2) (NoDeposits (B3) (Nonrive	one required rine) porriverine)	Salt Cru Biotic C Aquatic Hydroge X Oxidizer Presence	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp ce of Redu	ates (B13 Odor (C heres ald uced Iron	1) ong Living (C4)	Roots (C3)	Water Marks (B' Sediment Depos Drift Deposits (B Drainage Pattern Dry-Season Wat Crayfish Burrow	1) (Riverine) sits (B2) (Rive 3) (Riverine) as (B10) ter Table (C2 s (C8)	erine)
DROLOG Vetland H Primary Inc Surfac High V Satura Water Sedin Drift E	y ydrology Indicators: dicators (minimum of of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive) ment Deposits (B2) (No Deposits (B3) (Nonrive) ce Soil Cracks (B6)	one required rine) onriverine) erine)	Salt Cru Biotic C Aquatic Hydroge X Oxidizer Presenc	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp ce of Redu Iron Redu	ates (B13 Odor (C heres alc uced Iron uction in T	1) ong Living (C4)	Roots (C3)	Water Marks (B' Sediment Depos Drift Deposits (B Drainage Pattern Dry-Season Wa' Crayfish Burrow Saturation Visibl	1) (Riverine) sits (B2) (Rive 3) (Riverine) ns (B10) ter Table (C2 s (C8) e on Aerial In	erine)
DROLOG Vetland H Primary Inc Surfac High V Satura Water Sedin Drift E Surfac	y ydrology Indicators: dicators (minimum of	one required rine) conriverine) erine)	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp ce of Redu Iron Redu uck Surfac	ates (B13 Odor (C' heres ald uced Iron uction in T ce (C7)	ng Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Deposits (B Drift Deposits (B Drainage Pattern Dry-Season Water Crayfish Burrow Saturation Visibl Shallow Aquitaro	I) (Riverine) iits (B2) (Rive 3) (Riverine) ns (B10) ter Table (C2 s (C8) e on Aerial In i (D3)	erine)
DROLOG Vetland H Primary Inc Surfa High V Satura Water Sedin Drift E Surfac Inund Water	y ydrology Indicators: dicators (minimum of o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9)	one required rine) conriverine) erine)	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp ce of Redu Iron Redu	ates (B13 Odor (C' heres ald uced Iron uction in T ce (C7)	ng Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Depos Drift Deposits (B Drainage Pattern Dry-Season Wa' Crayfish Burrow Saturation Visibl	I) (Riverine) iits (B2) (Rive 3) (Riverine) ns (B10) ter Table (C2 s (C8) e on Aerial In i (D3)	erine)
DROLOG Vetland H Primary Inc Surfac High V Satura Water Sedin Drift E Surfac Inund Water	y ydrology Indicators: dicators (minimum of	one required prine) ponriverine) erine)	Salt Cru Biotic C Aquatic Hydroge X Oxidized Presend Recent Thin Mu Other (E	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu uck Surface	ates (B13 Odor (C pheres alc uced Iron action in T ce (C7) Remarks) ong Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Deposits (B Drift Deposits (B Drainage Pattern Dry-Season Water Crayfish Burrow Saturation Visibl Shallow Aquitaro	I) (Riverine) iits (B2) (Rive 3) (Riverine) ns (B10) ter Table (C2 s (C8) e on Aerial In i (D3)	erine)
DROLOG Vetland H Primary Inc Surfac High V Satura Sedin Drift E Surfac Inund Water Field Obse	y ydrology Indicators: dicators (minimum of of of other centre) water Table (A2) ation (A3) or Marks (B1) (Nonriver) ment Deposits (B2) (Nonriver) ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present?	one required prine) ponriverine) erine) Imagery (E	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu uck Surfac Explain in	ates (B13 Odor (C oheres alc uced Iron uction in T ce (C7) Remarks) ong Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Deposits (B Drift Deposits (B Drainage Pattern Dry-Season Water Crayfish Burrow Saturation Visibl Shallow Aquitaro	I) (Riverine) iits (B2) (Rive 3) (Riverine) ns (B10) ter Table (C2 s (C8) e on Aerial In i (D3)	erine)
DROLOG Vetland H Primary Inc Surfac High V Satura Sedin Drift E Surfac Inund Water Field Obse Vater Tabl	y ydrology Indicators: dicators (minimum of	one required prine) ponriverine) Imagery (E	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp ce of Redu lron Redu lick Surfac explain in n (inches)	ates (B13 Odor (C oheres alc uced Iron uction in T ce (C7) Remarks) ong Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Deposits (B Drainage Pattern Dry-Season Water Crayfish Burrown Saturation Visible Shallow Aquitard FAC-Neutral Test	I) (Riverine) (its (B2) (Rive 3) (Riverine) (its (B1)) (its (B10)) (iter Table (C2) (its (C8)) (its (C8)) (its (D3)) (its (D5))	erine)) nagery (C9
DROLOG Vetland H Primary Inc Surfac High V Satura Sedin Drift E Surfac Inund Water Field Obse Surface Water Tabl Saturation	y ydrology Indicators: dicators (minimum of of oce Water (A1) Water Table (A2) ation (A3) or Marks (B1) (Nonriver) ment Deposits (B2) (Nonriver) ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes Present? Yes	one required prine) ponriverine) Imagery (E	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu uck Surfac Explain in	ates (B13 Odor (C oheres alc uced Iron uction in T ce (C7) Remarks) ong Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Deposits (B Drift Deposits (B Drainage Pattern Dry-Season Water Crayfish Burrow Saturation Visibl Shallow Aquitaro	I) (Riverine) (its (B2) (Rive 3) (Riverine) (its (B1)) (its (B10)) (iter Table (C2) (its (C8)) (its (C8)) (its (D3)) (its (D5))	erine)) nagery (C9
DROLOG Vetland H Primary Inc Surfac High V Satura Water Sedin Drift E Surfac Inund Water Field Obse Surface Wa Vater Tabl Saturation includes c	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 de Present? Yes apillary fringe)	one required prine) conriverine) lmagery (E	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu uck Surfac Explain in in (inches) in (inches)	ates (B13acates) detection (C'oberes) alcuced Iron action in Tee (C7) Remarks	1) nng Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Deposits (B Drainage Pattern Dry-Season Water Crayfish Burrown Saturation Visible Shallow Aquitard FAC-Neutral Test	I) (Riverine) (its (B2) (Rive 3) (Riverine) (its (B1)) (its (B10)) (iter Table (C2) (its (C8)) (its (C8)) (its (D3)) (its (D5))	erine)) nagery (C9
DROLOG Vetland H Primary Inc Surfac High V Satura Water Sedin Drift E Surfac Inund Water Field Obse Surface Wa Vater Tabl Saturation includes c	y ydrology Indicators: dicators (minimum of of oce Water (A1) Water Table (A2) ation (A3) or Marks (B1) (Nonriver) ment Deposits (B2) (Nonriver) ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes Present? Yes Present? Yes	one required prine) conriverine) lmagery (E	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu uck Surfac Explain in in (inches) in (inches)	ates (B13acates) detection (C'oberes) alcuced Iron action in Tee (C7) Remarks	1) nng Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Deposits (B Drainage Pattern Dry-Season Water Crayfish Burrown Saturation Visible Shallow Aquitard FAC-Neutral Test	I) (Riverine) (its (B2) (Rive 3) (Riverine) (its (B1)) (its (B10)) (iter Table (C2) (its (C8)) (its (C8)) (its (D3)) (its (D5))	erine)) nagery (C9
DROLOG Vetland H Primary Inc Surfac High V Satura Water Sedin Drift E Surfac Inund Water Field Obse Surface Wa Vater Tabl Saturation includes c	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 de Present? Yes apillary fringe)	one required prine) conriverine) lmagery (E	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu uck Surfac Explain in in (inches) in (inches)	ates (B13acates) detection (C'oberes) alcuced Iron action in Tee (C7) Remarks	1) nng Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Deposits (B Drainage Pattern Dry-Season Water Crayfish Burrown Saturation Visible Shallow Aquitard FAC-Neutral Test	I) (Riverine) (its (B2) (Rive 3) (Riverine) (its (B1)) (its (B10)) (iter Table (C2) (its (C8)) (its (C8)) (its (D3)) (its (D5))	erine)
DROLOG Vetland H Primary Inc Surfac High V Satura Water Sedin Drift E Surfac Inund Water Field Obse Surface Water Table Saturation includes coscribe Rec	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 de Present? Yes apillary fringe)	one required prine) conriverine) lmagery (E	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu uck Surfac Explain in in (inches) in (inches)	ates (B13acates) detection (C'oberes) alcuced Iron action in Tee (C7) Remarks	1) nng Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Deposits (B Drainage Pattern Dry-Season Water Crayfish Burrown Saturation Visible Shallow Aquitard FAC-Neutral Test	I) (Riverine) (its (B2) (Rive 3) (Riverine) (its (B1)) (its (B10)) (iter Table (C2) (its (C8)) (its (C8)) (its (D3)) (its (D5))	erine)) nagery (C9
DROLOG Vetland H Primary Inc Surfac High V Satura Water Sedin Drift E Surfac Inund Water Field Obse Surface Water Table Saturation includes coscribe Rec	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 de Present? Yes apillary fringe)	one required prine) conriverine) lmagery (E	Salt Cru	ust (B11) rust (B12) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu uck Surfac Explain in in (inches) in (inches)	ates (B13acates) detection (C'oberes) alcuced Iron action in Tee (C7) Remarks	1) nng Living (C4) Tilled Soils	Roots (C3)	Water Marks (B' Sediment Deposits (B Drainage Pattern Dry-Season Water Crayfish Burrown Saturation Visible Shallow Aquitard FAC-Neutral Test	I) (Riverine) (its (B2) (Rive 3) (Riverine) (its (B1)) (its (B10)) (iter Table (C2) (its (C8)) (its (C8)) (its (D3)) (its (D5))	erine)) nagery (C9

ement, Inc.			State: CA	Sar	mpling Poir	it: DP2	20
	Section	n, Township	, Range: Section 8,	Township 11 N	orth, Range	e 7 East	t
	Local re	elief (concav	e, convex, none): No	ne	S	lope (%): 2-5
) Lat:	_	38.	3131514 Long:	-121.2	2237943	Datur	m: NAD83
ndy loam, 2 to 9%	% slopes		NWI Classif	ication:			
		Yes	No	X (If no.	explain in	Remark	(s.)
		_					
				•			
·	-			•		•	
No X							
_		•	Yes	No	X		
	within a	wetland?	_			_	
	-						
	n normal.						
piants.							
Absolute	Dominant	Indicator	Dominance Test w	orksheet:			
% Cover	Species?	Status		•			
			That Are OBL, FAC	W, or FAC:	0		(A)
			Total Number of Do	minant _			
			Species Across All S	Strata:	1		(B)
				_			 `'
			Dereant of Deminer	t Chasias			
	=Total Cove		Percent of Dominan	•	0%	6	(A/B)
0	=Total Cover	r	Percent of Dominan That Are OBL, FAC	•	0%	6	(A/B)
	=Total Cover	r	That Are OBL, FAC	W, or FAC:	0%	6	(A/B)
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	=Total Cover	r	Prevalence Index V Total % Cover	W, or FAC: Worksheet: of:	Multipl	y by:	(A/B)
	=Total Cover	r	Prevalence Index V Total % Cover OBL species	W, or FAC: Worksheet: of: 0	Multipl 0	y by:	(A/B)
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			Prevalence Index V Total % Cover OBL species FACW species FAC species FACU species	W, or FAC: Vorksheet: of: 0	Multipl 0 20 15 28	y by:	(A/B)
	=Total Cover		Prevalence Index V Total % Cover OBL species FACW species FAC species FACU species UPL species	W, or FAC: Vorksheet: of: 0	Multipl 0 20 15 28	y by:	
0	=Total Cover		Prevalence Index V Total % Cover OBL species FACW species FAC species FACU species UPL species Column Totals:	W, or FAC: Vorksheet: of: 0	Multipl 0 20 15 28 0	y by:	(A/B)
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1	ndy loam, 2 to 9% al for this time of ogy al for this time of ogy anap showing No X No No No much wetter that Absolute % Cover	c) Lat: Indy loam, 2 to 9% slopes al for this time of year? Indy loam, 2 to 9% slopes Indy loam, 2	c) Lat: 38.8 Indy loam, 2 to 9% slopes all for this time of year? Yes_ orgy significantly disturbed? Industrially problematic? In ap showing sampling point loca No X Is the Sampled Area within a Wetland? Mo Who Is the Sampled Area within a Wetland? Mo Wetland?	Dominant Dominant Month Dominance Test works Month Dominant Month Mont	Description Cover Species? Status Status Cover Species? Status Cover Cover	Absolute Dominant Metter than normal. Absolute Dominant Metand? Met	Determine the problem of the problem

nches)	Color (moist)	%	Color (r	noist)	%	Type ¹	Loc ²	Textur	e		Remark	S
-6	10YR 4/2	95	7.5YR 4/6	5	5	С	M	sandy loa	<u>m</u>			
	-							_				
								_				
ype: C=Co	oncentration, D=Depletion	n, RM=Red	duced Matrix	c, CS=Cove	red or Co	oated Sand	Grains.	² Location: PL:	=Pore Linir	ng, M=Matrix.		
ydric Soil	Indicators: (Application	able to al	I LRRs, ur	nless othe	rwise n	noted.)		Indicators	s for Pro	blematic Hyd	Iric Soils ³ :	
_ Histos	ol (A1)			Sandy Re				1 cm	n Muck (A	9) (LRR C)		
_	Epipedon (A2)			Stripped I						10) (LRR B)		
	Histic (A3)			Loamy M	-	, ,			uced Vert			
	gen Sulfide (A4)			Loamy G	-					aterial (TF2)		
_	ied Layers (A5) (LRR	C)		Depleted				Othe	er (Explair	n in Remarks))	
_	Muck (A9) (LRR D)	oo (A44)		Redox Da		, ,	7 \					
	ted Below Dark Surface	ce (A11)		Depleted			')					
_	Dark Surface (A12) Mucky Mineral (S1)			Redox De Vernal Po	•	` '				s of hydrophy		
_ ′	Gleyed Matrix (S4)			vemaire	iois (i <i>a)</i>)				d hydrology n ss disturbed o	•	
estrictive	Layer (if present):											
estrictive pe:							н	vdric Soil Pr	esent?	Y	′es X	No
estrictive pe: epth (inch							н	ydric Soil Pr	esent?	Y	es X	No
estrictive pe: ppth (inch	es):						н	ydric Soil Pr	esent?	Y	res X	No
estrictive rpe: epth (inch narks:	es):						н	ydric Soil Pr	esent?	Y	res X	No
estrictive per per per per per per per p	es): Y ydrology Indicators:						н	ydric Soil Pr				
estrictive vpe: epth (inch narks: eROLOG) etland Hy imary Ind	es): / ydrology Indicators: icators (minimum of o	ne require	ed; check a				н	ydric Soil Pr	Seconda	ary Indicators	(2 or more	required)
epth (inch larks:	es): y drology Indicators: icators (minimum of o	ne require	ed; check a	Salt Crus	t (B11))	н	ydric Soil Pr	Second:	ary Indicators ater Marks (B	(2 or more	required)
pe:pth (inch arks: ROLOG) etland Hy imary Ind Surfac High V	es): / ydrology Indicators: icators (minimum of o ce Water (A1) Vater Table (A2)	ne require	ed; check a	Salt Crus Biotic Cru	t (B11) st (B12)	•		ydric Soil Pr	Seconda Wa	ary Indicators ater Marks (B diment Depo	(2 or more 1) (Riverin sits (B2) (R	required) e) iverine)
ROLOG) etland Hy imary Ind Surfac High V Satura	es): y ydrology Indicators: icators (minimum of o ve Water (A1) Vater Table (A2) ation (A3)	·	ed; check a	Salt Crus Biotic Cru Aquatic Ir	t (B11) st (B12) vertebra	ates (B13)	ydric Soil Pr	Seconda Wa Se	ary Indicators ater Marks (B diment Depo ift Deposits (B	(2 or more 1) (Riverin sits (B2) (R 33) (Riverin	required) e) iverine)
ROLOGN etland Hy imary Ind Surfac High V Satura Water	ydrology Indicators: icators (minimum of o ee Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonrive	rine)		Salt Crus Biotic Cru Aquatic Ir Hydroger	t (B11) st (B12) vertebra Sulfide	ates (B13 Odor (C)		Seconda Wa Se Dr	ary Indicators ater Marks (B diment Depo ift Deposits (E ainage Patter	(2 or more 1) (Riverine sits (B2) (R 33) (Riverine ns (B10)	required) e) iverine)
ROLOGN etland Hy imary Ind Surfac High V Satura Water Sedim	ydrology Indicators: icators (minimum of o be Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive tent Deposits (B2) (No	rine) onriverine		Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized	t (B11) est (B12) evertebra Sulfide Rhizosp	rates (B13 e Odor (Cr oheres alc	·) 1) ng Livinç	ydric Soil Pro	Seconda Wa Se Dr Dr	ary Indicators ater Marks (B diment Depo ift Deposits (F ainage Patter y-Season Wa	(2 or more 1) (Rivering sits (B2) (R 33) (Rivering ns (B10) tter Table (C	required) e) iverine)
ROLOGN etland Hy imary Ind Surfac High V Satura Water Sedim Drift D	ydrology Indicators: icators (minimum of o ee Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonrive	rine) onriverine		Salt Crus Biotic Cru Aquatic Ir Hydroger	t (B11) st (B12) evertebra Sulfide Rhizosp of Redu	ates (B13 Odor (C oheres ald uced Iron	.) 1) ng Livinç (C4)	g Roots (C3)	Seconda Wa Se Dr Dr Dr Cr	ary Indicators ater Marks (B diment Depo ift Deposits (E ainage Patter	(2 or more 1) (Rivering sits (B2) (R 33) (Rivering ns (B10) ster Table (C ss (C8)	required) e) iverine) ie)
estrictive rpe: epth (inch harks: ROLOG) etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surfac	ydrology Indicators: icators (minimum of o be Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive lent Deposits (B2) (No	rine) onriverine erine)		Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence	t (B11) st (B12) svertebra Sulfide Rhizosp of Redu	rates (B13 codor (C oheres alcouced Iron uction in T	.) 1) ng Livinç (C4)	g Roots (C3)	Seconda Wa Se Dr Dr Dr Cra	ary Indicators ater Marks (B diment Depo ift Deposits (E ainage Patter y-Season Wa ayfish Burrow	(2 or more 1) (Rivering sits (B2) (R 33) (Rivering ns (B10) ater Table (C ss (C8)	required) e) iverine) ie)
ROLOGY etland Hy imary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda	y ydrology Indicators: icators (minimum of o be Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonrive ient Deposits (B2) (No ienes Soil Cracks (B6)	rine) onriverine erine) Imagery (Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir	t (B11) st (B12) overtebra Sulfide Rhizosp of Redu on Redu k Surfac	e Odor (C' oheres alc uced Iron uction in T	i) 1) ong Living (C4) iilled Soil	g Roots (C3)	Seconda Was Seconda Dr. Dr. Cr. Sa Sh	ary Indicators ater Marks (B diment Depo ift Deposits (E ainage Patter y-Season Wa ayfish Burrow turation Visib	(2 or more 1) (Rivering 33) (Rivering 33) (Rivering 15 (B10) 16 (C8) 16 (C8) 17 (C8) 18 (D3)	required) e) iverine) ie)
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Attachment B

Aquatic Resources Delineation Map



Topographic Contours: Building Engineering & Maintenance Inc.

Ground Surface Elevation, 2 foot contour interval

Seep (1.155 acres)



8421 Auburn Boulevard, Suite 248 Citrus Heights, California 95610 (916) 822.3220 | www.madroneeco.com

Attachment C

Plant Species Observed within the Study Area

Plant Species Observed within the Delmar West Study Area 25-26 April and 19 July 2023

Wotland	Indicator
vvenano	indicator

Species Name	Common Name	Ctatus
Species Name	Common Name	Status
Acmispon americanus var. americanus	Spanish lotus	UPL
Aira caryophyllea	Silver hair grass	FACU
Ambrosia psilostachya	Western ragweed	FACU
Amsinckia intermedia	Common fiddleneck	UPL
Amsinckia retrorsa	Rigid fiddleneck	UPL
Anthemis cotula	Mayweed	FACU
Anthriscus caucalis	Bur-chervil	UPL
Avena barbata	Slender wild oat	UPL
Bidens frondosa	Sticktight	FACW
Brassica nigra	Black mustard	UPL
Briza minor	Annual quaking grass	FAC
Bromus hordeaceus	Soft chess	FACU
Bromus rubens	Red brome	UPL
Bromus sterilis	Sterile brome	UPL
Bromus tectorum	Cheat grass, downy chess	UPL
Calandrinia menziesii	Red maids	FACU
Capsella bursa-pastoris	Shepherd's purse	FACU
Carduus pycnocephalus subsp. pycnocephalus	Italian thistle	UPL
Castilleja attenuata	Valley tassels	UPL
Cerastium glomeratum	Sticky mouse-ear chickweed	UPL
Cichorium intybus	Chicory	FACU
Claytonia perfoliata subsp. perfoliata	Miner's lettuce	FAC
Conium maculatum	Poison hemlock	FACW
Crassula tillaea	Moss pygmyweed	FACU
Cynodon dactylon	Bermuda grass	FACU
Cyperus eragrostis	Tall nutsedge	FACW
Digitaria sanguinalis	Hairy crab grass	FACU
Dittrichia graveolens	Stinkwort	UPL
Eleocharis acicularis	Needle spikerush	OBL
Elymus caput-medusae	Medusa head	UPL
Epilobium ciliatum	Slender willow herb	FACW
Erigeron bonariensis	Flax-leaved horseweed	FACU
Erodium cicutarium	Redstem filaree	UPL
Erodium moschatum	Greenstem filaree	UPL
Erythranthe guttata	Common monkeyflower	OBL
Eschscholzia californica	California poppy	UPL
Eucalyptus camaldulensis	River red gum	FAC

Festuca arundinacea	Tall fescue	UPL
Festuca bromoides	Brome fescue	FACU
Festuca microstachys	Small fescue	UPL
Festuca myuros	Rattail sixweeks grass	FACU
Festuca perennis	Rye grass	FAC
Geranium dissectum	Cut-leaf geranium	UPL
Glyceria declinata	Low manna grass	FACW
Hordeum marinum	Mediterranean barley	FAC
Hordeum murinum	Wall barley	FACU
Hypochaeris glabra	Smooth cat's-ear	UPL
Juncus balticus subsp. ater	Baltic rush	FACW
Juncus bufonius	Toad rush	FACW
Juncus usitatus	Australian rush	FACW
Leersia oryzoides	Rice cutgrass	OBL
Leontodon saxatilis	Hairy hawkbit	FACU
Logfia gallica	Daggerleaf cottonrose	UPL
Lotus corniculatus	Bird's-foot trefoil	FAC
Lupinus bicolor	Miniature lupine	UPL
Lupinus nanus	Valley sky lupine	UPL
Lysimachia arvensis	Scarlet pimpernel	FAC
Lythrum hyssopifolia	Hyssop loosestrife	OBL
Malva neglecta	Common mallow	UPL
Malva nicaeensis	Bull mallow	UPL
Matricaria discoidea	Pineapple weed	FACU
Medicago lupulina	Black medick	FAC
Mentha pulegium	Pennyroyal	OBL
Montia fontana	Water chickweed, blinks	OBL
Myriophyllum aquaticum	Parrot's feather	OBL
Nasturtium officinale	Water cress	OBL
Parentucellia viscosa	Yellow glandweed	FAC
Paspalum dilatatum	Dallis grass	FAC
Persicaria hydropiper	Waterpepper	OBL
Petrorhagia dubia	Hairypink	NL
Plagiobothrys nothofulvus	Rusty popcornflower	FAC
Plantago lanceolata	English plantain	FAC
Platanus racemosa	Western sycamore	FAC
Poa annua	Annual blue grass	FAC
Poa palustris	Fowl bluegrass	FAC
Poa pratensis	Kentucky blue grass	FAC
Polygonum aviculare subsp. depressum	Prostrate knotweed	FAC
Pyrus sp.	Pear tree	UNK
Quercus lobata	Valley oak	FACU
Ranunculus bonariensis var. trisepalus	Vernal pool buttercup	OBL

Ranunculus californicus	California buttercup	FACU
Ranunculus muricatus	Spiny-fruit buttercup	FACW
Rubus armeniacus	Armenian blackberry	FAC
Rumex acetosella	Sheep sorrel	FACU
Rumex pulcher	Fiddle dock	FAC
Salix gooddingii	Goodding's black willow	FACW
Salix laevigata	Red willow	FACW
Senecio vulgaris	Common groundsel	FACU
Silybum marianum	Milk thistle	UPL
Sisymbrium officinale	Hedge mustard	UPL
Sonchus arvensis	Perennial sow thistle	FACU
Spergula arvensis	Corn spurrey	UPL
Spergularia rubra	Red sand-spurrey	FAC
Stellaria media	Common chickweed	FACU
Torilis arvensis	Tall sock-destroyer	UPL
Trifolium ciliolatum	Foothill clover	UPL
Trifolium dubium	Little hop clover	UPL
Trifolium eriocephalum subsp. eriocephalum	Hairy head clover	FAC
Trifolium glomeratum	Clustered clover	UPL
Trifolium hirtum	Rose clover	UPL
Trifolium hybridum	Alsike clover	FAC
Trifolium incarnatum	Crimson clover	UPL
Trifolium subterraneum	Subterranean clover	UPL
Triphysaria versicolor	Yellow owl's clover	NL
Urtica urens	Dwarf nettle	FAC
Veronica anagallis-aquatica	Water speedwell	OBL
Veronica peregrina	Purslane speedwell	FAC
Veronica persica	Persian speedwell	FAC
Vicia sativa	Spring vetch	FACU

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: Towns	nip: Range:	
Latitude (decimal degrees): Longitude (de		
The approximate size of the review area for the JD is	acres. (Please attach l	ocation map)
Choose one:	Choose one product:	
I own the review area		n Aquatic Resources Delineation Verification
I hold an easement or development rights over the review a	rea I am requesting ar	n Approved JD
I lease the review area	I am requesting a	Preliminary JD
I plan to purchase the review area		dditional information to inform my decision
I am an agent/consultant acting on behalf of the requestor	about which pro	duct to request
Other:		
Reason for request: (check all that apply)		
I need information concerning aquatic resources within the r		
I intend to construct/develop a project or perform activities in	this review area which wo	uld be designed to avoid all aquatic
resources.		
I intend to construct/develop a project or perform activities in resources determined to be waters of the U.S.	i this review area which wo	uld be designed to avoid those aquatic
	this review area which ma	vy require outherization from the Corner this
I intend to construct/develop a project or perform activities in request is accompanied by my permit application.	i triis review area which ma	ly require authorization from the Corps, this
I intend to construct/develop a project or perform activities in	a navigable water of the l	IS which is included on the district's list of
navigable waters under Section 10 of the Rivers and Harb		
My lender, insurer, investors, local unit of government, etc. h		
inadequate and is requiring a jurisdictional determination.	iae iriaicatea triat arr aquati	o recourses demineration vermeation to
I intend to contest jurisdiction over particular aquatic resource	ces 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 o	Iry land.	
Other:		
Attached Information:		
Maps depicting the general location and aquatic resources v		stent with Map and Drawing Standards for
the South Pacific Division Regulatory Program (Public No		
http://www.spd.usace.army.mil/Missions/Regulatory/Public	c-Notices-and-References/	Article/651327/updated-map-and-drawing-
standards/)		
Aquatic Resources Delineation Report, if available, consiste	nt with the Sacramento Dis	trict's Minimum Standards for Acceptance
(Public Notice January 2016, http://1.usa.gov/1V68IYa)		
By signing below, you are indicating that you have the authorit		
such authority, to and do hereby grant Corps personnel right o	f entry to legally access the	e review area. Your signature shall be an
affirmation that you possess the requisite property rights for th	is request on the subject pr	operty.
*Signature:	Date:	
Name: Com	pany 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.