

Aquatic Resources Delineation Report

Premier Montaire

Town of Loomis, Placer County November 2022

Prepared for:

Stefan Horstschraer Premier Homes LLC 8483 Douglas Plaza Dr. Granite Bay, CA 95746

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1.0 INTRODUCTION

This report presents the results of a delineation of aquatic resources within the Premier Montaire property (Study Area) conducted by Madrone Ecological Consulting, LLC (Madrone). The approximately 29-acre Study Area is located south of Rocklin Road and west of Barton Road in the town of Loomis, Placer County, California. The Study Area is located in a portion of Section 21, Township 11 North, Range 7 East (MDB&M) of the "Rocklin, California" 7.5-Minute Series USGS Topographic Quadrangle (USGS 2021) at a Latitude 38.786521, Longitude -121.194838 (Figure 1).

1.1 Contact Information

Property Owner

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Agent

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2.0 METHODOLOGY

Madrone senior biologist Bonnie Peterson conducted a delineation of aquatic resources within the Study Area on 23 August and 7 October 2022. Water features and data points were mapped in the field with a GPS unit capable of sub-meter accuracy (Trimble GeoXT). 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 overlayed on an ortho-rectified aerial photograph (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 2022) was used to determine the wetland indicator status of plants observed in the Study Area. The *Jepson eFlora* (Jepson Flora Project 2022) was used for plant nomenclature, except where it conflicted with the nomenclature in the *National Wetland Plant List*, which was given priority on the data sheets.

3.0 EXISTING CONDITIONS

The Study Area is situated on rolling terrain in the Sierra foothills at an average elevation of approximately 375 feet. Rocklin Road and Barton Road parallel the north and east edges of the property, respectively, and rural residential developments are located on the abutting parcels to the south and west. The Study Area includes a single-family residence and mobile home on Rocklin Road. The surrounding lands in general represent a mix of rural and residential developments.

The Study Area contains several different wetland/water features including seasonal wetlands, seasonal wetland swales, seep, and a pond with adjacent wetlands. Terrestrial plant communities in the Study Area are primarily comprised of historically disturbed annual grassland and oak woodland.

The Study Area includes a portion of the previously delineated 38-acre Dominican Property. Biological resources studies were conducted, and a preliminary wetland delineation report was submitted to the USACE in 2009 and 2011 for the Dominican Property.

3.1 Terrestrial Plant Communities

3.1.1 Non-Native Annual Grassland

The northwestern portion of the Study Area is occupied by non-native annual grassland. This vegetation community is dominated by soft brome (*Bromus hordeaceus*), ripgut brome (*B. diandrus*), yellow star-thistle (*Centaurea solstitialis*), dogtail (*Cynosurus echinatus*), Bermuda grass (*Cynodon dactylon*), prickly lettuce (*Lactuca serriola*), winter vetch (*Vicia villosa*), and smooth cat's ear (*Hypochaeris glabra*). Other species commonly occurring in this community within the Study Area include filaree (*Erodium botrys*), elegant clarkia (*Clarkia unguiculata*), hairy hawkbit (*Leontodon saxatilis*), slender wild oat (*Avena barbata*), perennial ryegrass (*Festuca perennis*), rose clover (*Trifolium hirtum*), and (*Galium aparine*). This non-native annual grassland community also dominates the understory of the oak woodland.

3.1.2 Oak Woodland

The canopy of the oak woodland is dominated by interior live oak (*Quercus wislizeni*), blue oak (*Q. douglasii*), and grey pine (*Pinus sabiniana*). A number of shrubs and other perennials occur in the understory, including poison-oak (*Toxicodendron diversilobum*), hoary coffeeberry (*Frangula californica* ssp. tomentella), Himalayan blackberry (*Rubus armeniacus*) chaparral honeysuckle (*Lonicera interrupta*), and field bindweed (*Convolvulus arvensis*). The herbaceous understory is largely similar to the non-native annual grassland described above.

3.2 Hydrology

Surface water in the Study Area all appears to be from natural stormwater runoff and groundwater

The Study Area generally drains to a perennial pond in the southwest corner which drains to an unnamed tributary to Secret Ravine. Secret Ravine is depicted as a dashed blue line feature on the "Rocklin, California" USGS topographic quadrangle (USGS 2021). Secret Ravine is a tributary of Dry Creek, which is a tributary of the Sacramento River. The Study Area is located in the Lower American River Watershed (HUC 1802011) (USGS 1978).

Placer County continues to experience drought conditions and the Study Area is located in an extreme drought area (Drought.gov, 2022).

3.3 National Wetlands Inventory

The National Wetlands Inventory (NWI) mapped one freshwater pond within the Study Area (PUMHh) (USFWS 2022). This pond falls partially within the Study Area and was mapped as a 5.21-acre palustrine emergent unconsolidated bottom, permanently flooded, and diked/impounded. Per the NWI, this pond was mapped for use in the inventory from a 1987 aerial photography.

3.4 Soils

According to the Natural Resources Conservation Service (NRCS) Soil Survey Database (NRCS 2022), two soil mapping units occur within the Study Area (**Figure 2**): (106) Andregg coarse sandy loam, 2 to 9% slopes and (107) Andregg coarse sandy loam, 9 to 15% slopes.

The majority of the Study Area is Andregg coarse sandy loam, 2-9% slopes (106), which is moderately deep, well drained, and located over weathered granitic bedrock. The following inclusions are found within 106: Caperton coarse sandy loam (5%), Sierra sandy loam (5%), two unnamed Andregg-like soils (10% total), and one unnamed Sierra-like soil (5%). The northwest corner of the Study Area is Andregg coarse sandy loam, 9-15% slopes (107), which is a moderately deep, well drained typic haploxeroll. This rolling soil is situated above weathered, granitic bedrock, and contains inclusions of about 5% Caperton coarse sandy loam and 5% Sierra sandy loam. An additional 8% and 3% are made up of two unnamed Andregg-like inclusions and an unnamed Sierra-like inclusion, respectively. Both of the above Andregg soils contain bare rock outcrops.

Neither of the above soil map units are listed in the, "Hydric Soils of the United States" (NRCS 2022b) however, (106) may contain hydric inclusions in drainageways (NRCS 2022a).

3.5 Driving Directions

To access the Study Area from Sacramento, drive east on Interstate 80 to the Rocklin Road exit. To access the site from Sacramento, drive east on Interstate 80 and exit at Sierra College Boulevard. Drive south on Sierra College Boulevard for approximately one miles before turning left (east) onto Rocklin Road. Continue east for about 0.5 mile until reaching the Rocklin Road-Barton Road intersection; the Study Area is located directly to the southwest.

4.0 RESULTS

A total of 5.143 acre of aquatic resources were delineated within the Study Area (Table 1). Data sheets are included in **Attachment A**, maps of the aquatic resources 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**. Representative site photographs are available in **Attachment D** and the *Aquatic Resources Excel Spreadsheet* for the aquatic resources are included in **Attachment E**. GIS Shapefiles are provided digitally per current USACE guidance. Each of the feature types is described below.

Table 1. Aquatic Resources Mapped within the Study Area

Resource Type	Acreage
Wetlands	
Seasonal Wetland	0.031
Seasonal Wetland Swale	0.356
Seep	0.078
Other Waters	
Pond	4.678
Total	5.143

4.1 Wetlands

4.1.1 Seasonal Wetland

Three seasonal wetlands were delineated within the Study Area. Seasonal wetlands are depressional wetlands that pond water seasonally. Within the Study Area the seasonal wetlands are hydrologically driven by rainfall and fall within shallow valleys that lack sufficient flow to be characterized as seasonal wetland swales. Within the Study Area, these are relatively shallow features that are occupied by a mix of facultative and wetland plant species in topographic depressions. Pant species commonly observed in seasonal wetlands within the Study Area include perennial ryegrass (Festuca perennis) (FAC), clustered dock (Rumex conglomeratus) (FACW), iris-leaved rush (Juncus xiphioides)(OBL), Baltic rush (Juncus balticus) (FACW) and Mediterranean barley (Hordeum marinum)(FAC)

Wetland hydrology indicators observed in the seasonal wetland swales during the field survey included biotic crust (in the form of algal matting), water-stained leaves, and oxidized rhizospheres along live roots. Soils were sandy loam varying from moderately to very sandy. Soils within the seasonal wetlands were considered to be hydric based on the presence of field indicator F6 (redox dark surface) or F3 (reduced matrix).

4.1.2 Seasonal Wetland Swale

Four seasonal wetland swales were delineated within the Study Area. Seasonal wetland swales are sloping, linear seasonal wetlands that convey surface runoff, and may detain it for short periods of time. Within the Study Area the seasonal wetland swales contained both undefined grass dominated portions, interspersed with eroded sections with a distinct bed and bank. Dominant plant species within the seasonal wetland swales include perennial ryegrass, annual rabbit's foot grass (*Polypogon monspeliensis*), velvet grass (*Holcus lanatus*), and clustered dock. Other species commonly observed in these features within the Study Area include goldenrod (*Euthamia occidentalis*), tall nut sedge (*Cyperus eragrostis*), cattail (*Typha* species), Italian thistle (*Carduus pycnocephalus*), and Himalayan blackberry. All four seasonal wetland swales appear to be natural drainage features that convey seasonal runnoff from upslope of the Study Area into the pond. Seasonal wetland swale SWS-1 includes some drainage piping, which was not in use during the site visit. Seasonal wetland swale SWS-2 and SWS-3 both appear to receive some irrigation runoff from landscape planting south of the Study Area.

Wetland hydrology indicators observed in the seasonal wetland swales during the field survey included biotic crust (in the form of algal matting), sediment deposits (nonriverine), water-stained leaves, and drift deposits. Soils within the seasonal wetlands were very sandy loam and considered to be hydric based on the presence of field indicator F6 (redox dark surface).

4.1.3 Seep

A seep was delineated within the northwestern portion of the Study Area. Seeps are wetlands that occur on slopes and receive hydrology almost exclusively from groundwater as differentiated from the seasonal wetlands with precipitation driven hydrology. Dominant plant species in the seep includes a Goodding's willow (*Salix gooddingii*), Iris-leaved sedge, Baltic rush, velvet grass, and Himalayan blackberry. A berm or old stockpile is located south of the seep and the seep is hydrologically isolated from the pond to the south.

Indicators of wetland hydrology observed in the seep was limited to oxidized rhizospheres along live roots, and the Fac-neutral test. The soil matrix color at Data Point 11 was 10 YR 3/2 from the surface to a depth of 3", and 10 YR 5/1 with 2% 7.5YR 4/6 redox concentrations along pore linings from 3" to 12" below the soil surface. The soil at this data point was considered to be hydric based on the presence of field indicator F3 (Reduced Matrix).

4.2 Other Waters

4.2.1 Perennial Pond

An approximately 4.678-acre acres of perennial pond and adjacent wetlands are located in the southwest corner of the Study Area. Adjacent wetlands mapped within the pond appear to seasonally inundate during wetter times of the year when the water level of the pond is at its highest. For the purpose of this report, wetlands adjacent to the pond were differentiated from seasonal wetlands and seasonal wetland swales

that drain direct into the pond because they are influenced by backwater flooding from the pond. Willows (Salix sp.), Fremont's cottonwood (Populus fremontii), soft rush (Juncus effusus), swamp timothy (Crypsis schoenoides), rabbit's foot grass (Polypogon monspeliensis), floating primrose (Ludwigia peploides), broadleaf water plantain (Alisma Plantago-aquatica), brome fescue (Festuca bromoides), tall nutsedge, willowherb (Epilobium densiflorum), ciliate willow-herb (Epilobium ciliatum), goldenrod, tall nut sedge, cattail, and Himalayan blackberry represent some of the observed wetland plant species. Seasonally the open water portion of the pond is covered with mosquito fern (Azolla microphylla) and duckweed (Lemna sp.) and a pile of what appeared to be skimmed vegetation from the pond was located north of the pond near data point DP-7.

The majority of the pond is perennial with surface water evident in aerial imagery. Wetland margins flood seasonally with surface water evident in most wet season imagery. Soil data points were taken in wetland margins and were considered to be hydric based on the presence of field indicator F6 (redox dark surface).

The pond is a human induced feature which first appears on the 1968 USGS topo and was constructed between 1952 and 1957 (historicaerials.com). The pond temporarily impounds water from seasonal wetland swales to the east and northeast and is perennial in nature with the transition between emergent wetland fringes and open water shifting depending on the water year. A series of culverts and pipes indicated that at some point the pond may be artificially filled, though no evidence of pumping was observed during the site visits. Spoils, from what is presumed to be ongoing pond maintenance, were placed within the Study Area west of seasonal wetland SW-1. The western (offsite) perimeter of the pond it made of a created rock berm. While the pond outflow to the southwest is on private property and was not accessible during the site visits, per available public aerials it appears to drain through a culvert under the southwestern level that created to impound water.

5.0 CONCLUSION

The Federal Environmental Protection Agency (EPA) and USACE are currently interpreting "waters of the United States" consistent with the pre-2015 regulatory regime, as defined in 40 CFR 230.3(s). The term waters of the United States mean:

- All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
- All interstate waters including interstate wetlands;
- All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters:
 - Which are or could be used by interstate or foreign travelers for recreational or other purposes; or

- From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
- Which are used or could be used for industrial purposes by industries in interstate commerce;
- All impoundments of waters otherwise defined as waters of the United States under this definition;
- Tributaries of waters identified above;
- The territorial sea:
- Wetlands adjacent to waters (other than waters that are themselves wetlands) identified above; waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 CFR 423.11(m) which also meet the criteria of this definition) are not waters of the United States.

Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA.

While only the EPA and USACE can make a judicial determination, under current USACE guidance, the perennial pond and wetland margins would be considered federally jurisdictional, as they are perennial waters that ultimately flow to the Sacramento River, a traditional navigable water. Seasonal wetland swales SWS-1, SWS-2, SWS-3, and SWS-4, are directly adjacent to and flow seasonally into the perennial pond and would also typically be considered jurisdictional wetlands. Seep S-1 and seasonal wetlands SW-1, SW-2, and SW-3 do not have a clear ground or surface water connection to other waters of the US and a significant nexus determination will be required to make a jurisdictional determination.

The applicant is requesting a Preliminary Jurisdictional Determination for the Aquatic Resources Delineation map included as **Attachment B**. The Request for Aquatic Resource Verification or Jurisdictional Determination Form is included in **Attachment F**.

6.0 REFERENCES

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- U.S. Department of the Interior, Geological Survey (USGS). 2021. *Rocklin, California* 7.5-minute Quadrangle. Geological Survey. Denver, Colorado.

Figures

Figure 1. Vicinity Map

Figure 2. Natural Resources Conservation Service Soils

Figure 3. Aquatic Resources

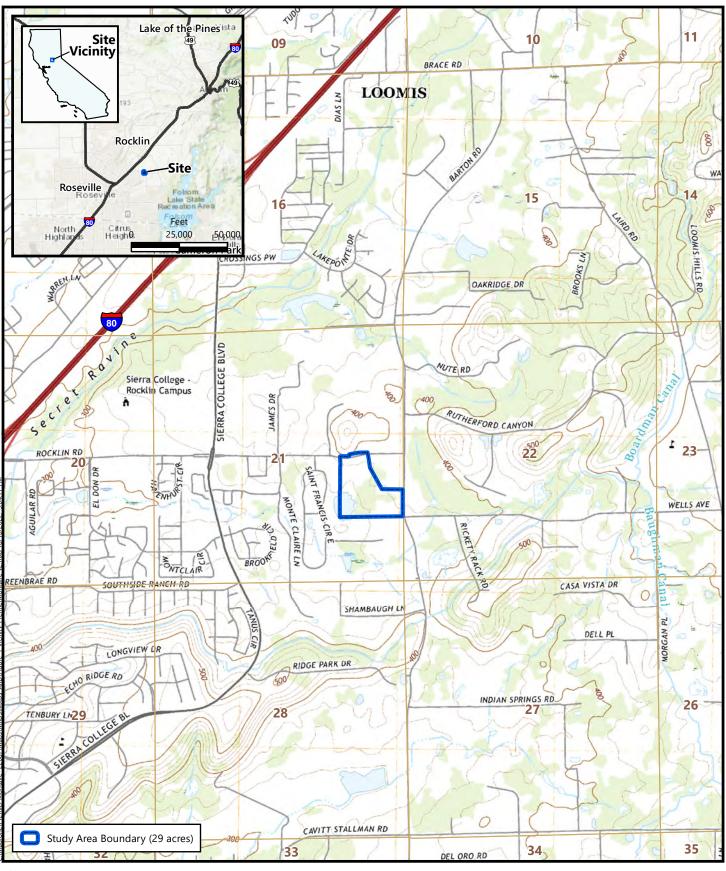




Figure 1
Site and Vicinity



Source: United States Geologic Survey, 2021. "Rocklin, California" 7.5-Minute Topographic Quadrangle Section 21, Township 12 North, Range 7 East, MDB&M Longitude-121.194838, Latitude 38.786521

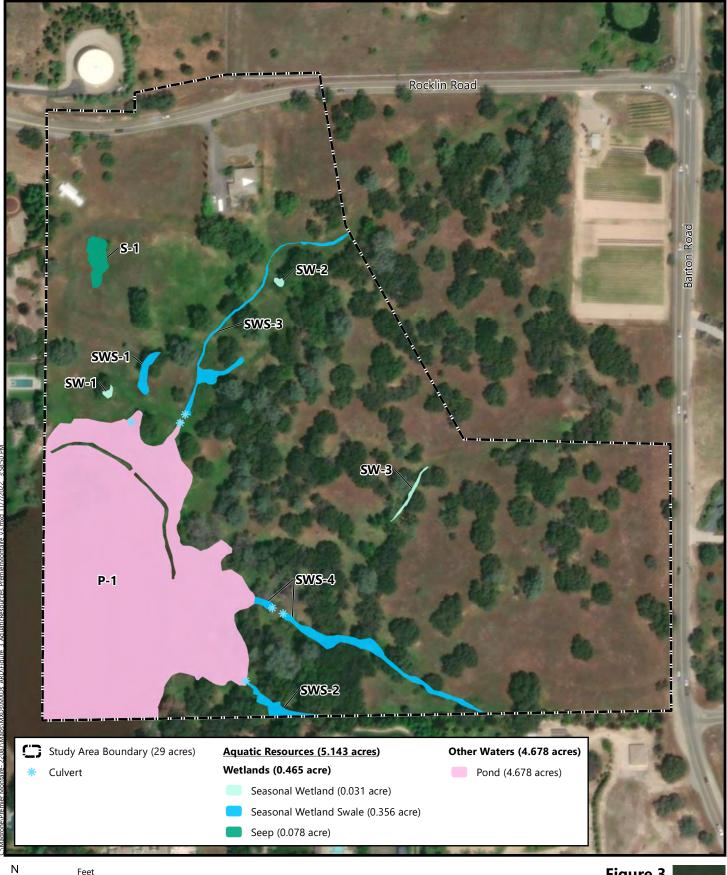




Figure 2 Natural Resources Conservation Service Soils



Premier Montaire Town of Loomis, Placer County, California



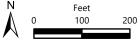


Figure 3 Aquatic Resources



Premier Montaire Town of Loomis, Placer County, California

Attachments

Attachment A. Arid West Wetland Determination Data Forms

Attachment B. Aquatic Resources Delineation

Attachment C. Plant Species Observed within the Study Area

Attachment D. Representative Site Photographs

Attachment E. Aquatic Resources Excel Spreadsheet

Attachment F. Request for Aquatic Resource Verification or Jurisdictional Determination Form

Attachment A

Arid West Wetland Determination Data Forms

Project/Site:	Premier Montaire			City/County:	Loomis/ Pla	acer		Sam	pling Date:	08/23/2	22
Applicant/Owner:	Premier Homes						CA	Sam	pling Point:	DP-1	
Investigator(s):	Bonnie Peterson/M	ladrone Ecologic	al	Section	n, Township,	Range: Sec	tion 21, Towns	hip 11 N	orth, Range	7 East	
Landform (hillslop	oe, terrace, etc.):	Hillslope		_ Local re	elief (concave	e, convex, non	e): <u>none</u>		Slope	÷ (%):	3
Subregion (LRR)	Mediterranean Cali	fornia (LRR C)	Lat:			Lor	ng:		D	Datum: NAD 83	
Soil Map Unit Na	me: <u>(106)</u> Andre	egg coarse sandy	/ loam			NWI	Classification:				
Are climatic / hyd	rologic conditions on	the site typical f	or this time of	year?	Yes_	X*	No	(If no, e	xplain in Ren	narks.)	
Are Vegetation	, Soil	, or Hydrology	·	significantly	disturbed?	Are "Norma	al Circumstanc	es" pres	ent? Yes	X No	
Are Vegetation	, Soil	, or Hydrology		naturally pro	oblematic?	(If needed,	explain any an	swers in	Remarks.)		
SUMMARY O	F FINDINGS – A	attach site ma	p showing	sampling	g point loc	cations, trar	nsects, imp	ortant	features, e	etc.	
Hydrophytic Vege	etation Present?	Yes	No X								
Hydric Soil Prese			No X		ampled Area	a Ye	es	No	Χ		
Wetland Hydrolog		Yes	No X	within a	a Wetland?						
Pemarke:*Dlacer	County is in a Sever	re Drought which	n is typical of r	ecent rain ve	aare						_
VEGETATION	– Use scientifi	c names of p	lants.								_
			Absolute	Dominant	Indicator		Test workshee				
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3.						FACW specie		x2 =	0		
4.						FAC species	0	x3 =	0		
5.						FACU specie	s 10	x4 =	40		
			0	=Total Cove	r	UPL species	90	x5 =	450		
	(Plot size: <u>1 me</u>	<u>ter²</u> _)				Column Total	s: 100	(A)	490	(B)	
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2. Bromus hore	deaceus		10	N	FACU						_
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4							ninance Test is				
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4	tratum (Plot size: _	,					hydric soil and			nust	
2						Hydrophytic					
				=Total Cove	r	Vegetation					
% Bare Groun	d in Herb Stratum	0	% Cover of I	Biotic Crust		Present?		Yes	No_	X	
Remarks:											

Profile Des Depth	Matrix		Re	dox Feat	ures					
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¹ Type: C=C	oncentration, D=Deple	tion, RM=Re	duced Matrix, CS=C	Covered or	Coated San	d Grains.	² Location: PL=	Pore Lining, M=Matr	ix.	
Hydric Soil	Indicators: (Appli	cable to all	LRRs, unless of	herwise	noted.)		Indicators fo	r Problematic Hyd	dric Soils³:	
-	ol (A1)			Redox (S	-		1 cm Mu	ıck (A9) (LRR C)		
Histic	Epipedon (A2)			d Matrix (-			ick (A10) (LRR B)		
Black	Histic (A3)		Loamy	Mucky M	ineral (F1)		Reduced	d Vertic (F18)		
	gen Sulfide (A4)			-	1atrix (F2)		Red Par	ent Material (TF2)		
	ied Layers (A5) (LRI	R C)		ed Matrix				xplain in Remarks)	
	Muck (A9) (LRR D)	•		Dark Surf	-					
	ted Below Dark Surf	ace (A11)			urface (F7)					
Thick	Dark Surface (A12)		Redox	Depression	ons (F8)		³ Ind	licators of hydrophy	vtic vegetation	and
Sandy	Mucky Mineral (S1)		Vernal	Pools (F9	9)			etland hydrology n	, ,	
Sandy	Gleyed Matrix (S4)							unless disturbed of		-,
	Layer (if present):									
Restrictive	Layer (II present).									
	Layer (ii present).									
Type: Depth (inch						Ну	dric Soil Prese	nt? Y	es	No
Type: Depth (inchemarks:						Ну	dric Soil Prese	nt? Y	es	No Z
Type: Depth (inch emarks:	es):					Ну	dric Soil Prese	nt? Y	es	No
Type: Depth (inchemarks: OROLOGY Wetland Hy	es): Y ydrology Indicators					Ну				
Type: Depth (inch emarks: 'DROLOG' Wetland Hy Primary Ind	es): Y ydrology Indicators icators (minimum of					ну		condary Indicators	(2 or more rec	
Type: Depth (inchemarks: DROLOG Wetland Hy Primary Ind	es): Y ydrology Indicators icators (minimum of the Water (A1)		Salt Cru	ust (B11)		Ну		condary Indicators Water Marks (B	(2 or more real (1) (Riverine)	quired)
Type:	es): ydrology Indicators icators (minimum of ce Water (A1) Vater Table (A2)		Salt Cru Biotic C	ust (B11) Crust (B12	2)	Ну		econdary Indicators Water Marks (B Sediment Depo	(2 or more red 11) (Riverine) sits (B2) (Rive	quired)
Type: Depth (inchemarks: TDROLOGY Wetland Hy Primary Ind Surfact High V Satura	ydrology Indicators icators (minimum of the Water (A1) Water Table (A2) ation (A3)	one require	Salt Cru Biotic C Aquatic	ust (B11) Crust (B12 Inverteb	2) rates (B13)			econdary Indicators Water Marks (B Sediment Depo Drift Deposits (F	(2 or more rec 11) (Riverine) sits (B2) (Rive 33) (Riverine)	quired)
Type: Depth (inchemarks: TOROLOGY Wetland Hy Primary Ind Surfac High V Satura Water	y ydrology Indicators icators (minimum of the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv	one require	Salt Cru Biotic C Aquatic Hydrog	ust (B11) Crust (B12 Inverteb en Sulfide	2) rates (B13) e Odor (C1)		<u>Se</u>	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (B Drainage Patter	(2 or more red 1) (Riverine) sits (B2) (Rive 33) (Riverine) ns (B10)	quired)
Type: Depth (inchemarks: TDROLOG Wetland Hy Primary Ind Surfac High W Satura Water Sedim	ydrology Indicators icators (minimum of the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv tent Deposits (B2) (N	one require erine) Ionriverine	Salt Cru Biotic C Aquatic Hydrog Oxidize	ust (B11) Crust (B12 Invertebren Sulfide d Rhizos	2) rates (B13) e Odor (C1) pheres alon	g Living	<u>Se</u>	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa	(2 or more red (1) (Riverine) sits (B2) (Rive (B3) (Riverine) rns (B10) ater Table (C2)	quired)
Type: Depth (inchemarks: TDROLOG Wetland Hy Primary Ind Surfac High V Satura Water Sedim Drift D	ydrology Indicators icators (minimum of the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv thent Deposits (B2) (Nonriv the proposits (B3) (Nonriv	one require erine) Ionriverine	Salt Cru Biotic C Aquatic Hydrog Oxidize Presen	ust (B11) Crust (B12 Invertebren Sulfider d Rhizospoe of Red	2) rates (B13) e Odor (C1) pheres alon luced Iron (g Living C4)	Se	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow	(2 or more red (1) (Riverine) sits (B2) (Rive 33) (Riverine) rns (B10) ater Table (C2)	quired)
Type: Depth (inch emarks: YDROLOGY Wetland Hy Primary Ind Surfact High V Satura Water Sedim Drift D Surfact	ydrology Indicators icators (minimum of the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv thent Deposits (B2) (Nonriv the Soil Cracks (B6)	one require erine) lonriverine verine)	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent	ust (B11) Crust (B12 Invertebren Sulfider d Rhizospice of Red	2) rates (B13) e Odor (C1) pheres alon duced Iron (uction in Til	g Living C4)	Se	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib	(2 or more red 1) (Riverine) sits (B2) (Rive 33) (Riverine) rns (B10) ater Table (C2) /s (C8)	quired)
Type: Depth (inch emarks: **TOROLOG** Wetland Hy Primary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda	ydrology Indicators icators (minimum of ice Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv icent Deposits (B2) (Nonriv ice Soil Cracks (B6) ation Visible on Aeria	one require erine) lonriverine verine)	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu	ust (B11) Crust (B12) Invertebren Sulfide d Rhizos ce of Red Iron Red uck Surfa	2) rates (B13) e Odor (C1) pheres alon duced Iron (uction in Til ce (C7)	g Living C4)	Se	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib	(2 or more red i1) (Riverine) sits (B2) (Rive 33) (Riverine) rns (B10) ater Table (C2) /s (C8) ble on Aerial Im d (D3)	quired)
Type: Depth (inch emarks: TDROLOG Wetland Hy Primary Ind Surfac High V Satura Water Sedim Drift D Surfac Inunda Water	ydrology Indicators icators (minimum of the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonrive tent Deposits (B2) (Nonrive Soil Cracks (B6) ation Visible on Aerial-Stained Leaves (B9)	one require erine) lonriverine verine)	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu	ust (B11) Crust (B12) Invertebren Sulfide d Rhizos ce of Red Iron Red uck Surfa	2) rates (B13) e Odor (C1) pheres alon duced Iron (uction in Til	g Living C4)	Se	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib	(2 or more red i1) (Riverine) sits (B2) (Rive 33) (Riverine) rns (B10) ater Table (C2) /s (C8) ble on Aerial Im d (D3)	quired)
Type: Depth (inch emarks: YDROLOGY Wetland Hy Primary Ind Surfact High V Satura Vater Sedim Drift D Surfact Inunda Water	y ydrology Indicators icators (minimum of the Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriv the Deposits (B2) (Nonriv the Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B9) rvations:	erine) lonriverine verine) al Imagery (l	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu Other (I	ust (B11) Crust (B12) Invertebren Sulfide d Rhizosp ce of Red Iron Red uck Surfa	rates (B13) e Odor (C1) pheres alon duced Iron (uction in Til ce (C7) n Remarks)	g Living C4)	Se	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib	(2 or more red i1) (Riverine) sits (B2) (Rive 33) (Riverine) rns (B10) ater Table (C2) /s (C8) ble on Aerial Im d (D3)	quired)
Type: Depth (inch emarks: YDROLOGY Wetland Hy Primary Ind Surfac High W Satura Water Sedim Drift D Surfac Inunda Water Field Obse	y ydrology Indicators icators (minimum of ice Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv ice Table (B2) (Nonriv ice Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B9) rvations: ater Present?	erine) lonriverine verine) al Imagery (I	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu Other (I	ust (B11) Crust (B12) Invertebren Sulfider d Rhizospice of Reduck Surfar Explain in	rates (B13) e Odor (C1) pheres alon duced Iron (uction in Til ce (C7) n Remarks)	g Living C4)	Se	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib	(2 or more red i1) (Riverine) sits (B2) (Rive 33) (Riverine) rns (B10) ater Table (C2) /s (C8) ble on Aerial Im d (D3)	quired)
Type: Depth (inch emarks: YDROLOGY Wetland Hy Primary Ind Surfac High W Satura Water Sedim Drift D Surfac Inunda Water Field Obse Surface Water Table	y ydrology Indicators icators (minimum of ice Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv ice Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B9 rvations: iter Present? Ye ice Present?	erine) lonriverine verine) al Imagery (I)	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Recent Other (I	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Red uck Surfa Explain in (inches)	rates (B13) e Odor (C1) pheres alon duced Iron (uction in Til ce (C7) n Remarks)	g Living C4)	Roots (C3)	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more red (1) (Riverine) sits (B2) (Rive (B3) (Riverine) rns (B10) ater Table (C2) /s (C8) ale on Aerial Im (d (D3) sit (D5)	quired) rine) agery (C
Type: Depth (inch emarks: YDROLOGY Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Surface Inunda Water Field Obse Surface Water Table Saturation F	y ydrology Indicators icators (minimum of ice Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv ice Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B9 rvations: iter Present? Present? Ye Present? Ye Present?	erine) lonriverine verine) al Imagery (I)	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Recent Other (I	ust (B11) Crust (B12) Invertebren Sulfider d Rhizospice of Reduck Surfar Explain in	rates (B13) e Odor (C1) pheres alon duced Iron (uction in Til ce (C7) n Remarks)	g Living C4)	Roots (C3)	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib	(2 or more red i1) (Riverine) sits (B2) (Rive 33) (Riverine) rns (B10) ater Table (C2) /s (C8) ble on Aerial Im d (D3)	quired)
Type: Depth (inch emarks: YDROLOGY Wetland Hy Primary Ind Surface High Water Sedim Drift D Surface Inunda Water Field Obse Surface Water Table Saturation F (includes ca	y ydrology Indicators icators (minimum of ice Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv ice Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B9 rvations: iter Present? Present? Present? ye apillary fringe)	erine) lonriverine verine) al Imagery (I)	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu Other (I No X Depth No X Depth No X Depth	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Red uck Surfa Explain in n (inches) n (inches)	rates (B13) e Odor (C1) pheres alon duced Iron (i uction in Til ce (C7) n Remarks) :	g Living C4) led Soils	Roots (C3)	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more red (1) (Riverine) sits (B2) (Rive (B3) (Riverine) rns (B10) ater Table (C2) /s (C8) ale on Aerial Im (d (D3) sit (D5)	quired) rine) agery (C
Type: Depth (inch emarks: YDROLOGY Wetland Hy Primary Ind Surface High Water Sedim Drift D Surface Inunda Water Field Obse Surface Water Table Saturation F (includes ca	y ydrology Indicators icators (minimum of ice Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv ice Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B9 rvations: iter Present? Present? Ye Present? Ye Present?	erine) lonriverine verine) al Imagery (I)	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu Other (I No X Depth No X Depth No X Depth	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Red uck Surfa Explain in n (inches) n (inches)	rates (B13) e Odor (C1) pheres alon duced Iron (i uction in Til ce (C7) n Remarks) :	g Living C4) led Soils	Roots (C3)	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more red (1) (Riverine) sits (B2) (Rive (B3) (Riverine) rns (B10) ater Table (C2) /s (C8) ale on Aerial Im (d (D3) sit (D5)	quired) rine) agery (C
Type: Depth (inch emarks: YDROLOG' Wetland Hy Primary Ind Surfact High V Satura Water Sedim Drift D Surfact Inunda Water Field Obse Surface Wa Water Table Saturation F (includes caescribe Rec	y ydrology Indicators icators (minimum of ice Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriv ice Soil Cracks (B6) ation Visible on Aeria -Stained Leaves (B9 rvations: iter Present? Present? Present? ye apillary fringe)	erine) lonriverine verine) al Imagery (I) es gauge, mon	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu Other (I No X Depth No X Depth No X Depth itoring well, aerial	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Red uck Surfa Explain in n (inches) n (inches)	rates (B13) e Odor (C1) pheres alon duced Iron (i uction in Til ce (C7) n Remarks) :	g Living C4) led Soils	Roots (C3)	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more red (1) (Riverine) sits (B2) (Rive (B3) (Riverine) rns (B10) ater Table (C2) /s (C8) ale on Aerial Im (d (D3) sit (D5)	quired) rine) agery (C
Type: Depth (inch emarks: YDROLOG' Wetland Hy Primary Ind Surfact High V Satura Water Sedim Drift D Surfact Inunda Water Field Obse Surface Wa Water Table Saturation F (includes caescribe Rec	ydrology Indicators icators (minimum of the Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonrivater Deposits (B2) (Nonrivater Deposits (B3) (Nonrivater Deposits (B6) ation Visible on Aerial-Stained Leaves (B9) rvations: ater Present? Present? Present? Apillary fringe) orded Data (stream	erine) lonriverine verine) al Imagery (I) es gauge, mon	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu Other (I No X Depth No X Depth No X Depth itoring well, aerial	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Red uck Surfa Explain in n (inches) n (inches)	rates (B13) e Odor (C1) pheres alon duced Iron (i uction in Til ce (C7) n Remarks) :	g Living C4) led Soils	Roots (C3)	econdary Indicators Water Marks (B Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	(2 or more red (1) (Riverine) sits (B2) (Rive (B3) (Riverine) rns (B10) ater Table (C2) /s (C8) ale on Aerial Im (d (D3) sit (D5)	quired) rine) agery (C

Project/Site: Premier Montaire			City/County:	Loomis/ P	lacer			Sampl	ling Date:		08/23/22
Applicant/Owner: Premier Homes						<u>C</u>	A	Sampl	ling Point:	DP-2	
Investigator(s): Bonnie Peterson/I	Madrone Ecologica	ıl	Section	n, Township	, Range:	Section 2	21, Townsh	ոip 11 No	rth, Range	e 7 East	t
Landform (hillslope, terrace, etc.):	Hillslope		_ Local re	lief (concav	e, convex,	none): C	Concave		Slop	oe (%):	0
Subregion (LRR): Mediterranean Ca	lifornia (LRR C)	Lat:				Long:				Datum:	: NAD 83
Soil Map Unit Name: (106) and	(107) Andregg coa	rse sandy lo	am		N	IWI Class	sification:				
Are climatic / hydrologic conditions o	n the site typical fo	or this time of	year?	Yes	X*	No	-	(If no, ex	plain in Re	emarks.	.)
Are Vegetation, Soil	, or Hydrology		significantly	disturbed?	Are "No	ormal Cir	cumstance	s" prese	nt? Yes	X	No
Are Vegetation, Soil							ain any ans				-
SUMMARY OF FINDINGS –											
Hydrophytic Vegetation Present?	Yes X N	No									
Hydric Soil Present?				ampled Are		Yes	Χ	No			
Wetland Hydrology Present?	Yes X		within a	a Wetland?		_		-	-	_	
Remarks:*Placer County is in a Seve		:- 4: - 1 .f.									
VEGETATION - Use scientif	ic names of pl	ants.									
		A I I4-	D t	l.,	Dominon	oo Toot	workshee	4.			
	,	Absolute % Cover	Dominant Species?	Indicator Status							
Tree Stratum (Plot size:)	70 00001		Otatus			ant Specie: CW, or FA				
1			· 					o	1		_(A)
2					Total Nun						
3					Species A				1		_(B)
4							ant Species				
		0	=Total Cove	r	That Are	OBL, FA	CW, or FA	C:	100%		_(A/B)
Sapling/Shrub Stratum (Plot size:)						Workshe	et:			
1						I % Cove			Multiply I	by:	_
2					OBL spec			x1 =	100		_
3					FACW sp	_		x2 =	0		_
4					FAC spec			x3 =	0		_
5					FACU spe	_		x4 =	0		_
	2	0	=Total Cove	r	UPL spec			x5 =	0		_
Herb Stratum (Plot size: 1 me	<u>eter²</u>)	400		ODI	Column T	_		(A)	100		_(B)
1. Juncus xiphioides		100	Y	OBL	Prevale	ence Inde	ex = B/A =		1.0		_
2											
3			· 			-	etation Inc				
4							ice Test is				
5							ice Index is				
6							ogical Adap				ng
7		-	· 				Remarks or			,	
8		400				Problema	atic Hydrop	onytic ve	getation (Explain)
		100	=Total Cove	r	1						
Woody Vine Stratum (Plot size: _)						ic soil and			must	
1					be preser	it, uniess	disturbed	or proble	matic.		
2					Hydrophy	-					
	_		=Total Cove	r	Vegetation				v		
% Bare Ground in Herb Stratum	0	% Cover of	Biotic Crust		Present?	•		Yes	X No	<u> </u>	
Remarks:											

Depth	Matrix		Re	dox Feat	ures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	- Texture	Remarks
0-10	10 YR 3/3	100	00:0: (0.0)		.) 0		Sandy loam	
10+	10 YR 3/2	90	10 YR 3/6	10	С	M	Sandy loam	
10.	10 11(0/2		10 111 0/0		<u> </u>	141	<u>canay loann</u>	-
							_	-
			-				_	
							_	
							_	
							_	
¹ Type: C=C	Concentration, D=Depletion	n, RM=Re	duced Matrix, CS=C	overed or	Coated Sa	nd Grains	s. ² Location: Pl	_=Pore Lining, M=Matrix.
Hydric So	il Indicators: (Applica	able to all	I RRs unless of	herwise i	noted)		Indicators f	for Problematic Hydric Soils ³ :
-	sol (A1)	abic to an		Redox (S5	-			Muck (A9) (LRR C)
	Epipedon (A2)			d Matrix (-			Muck (A10) (LRR B)
	Histic (A3)			-	neral (F1)			ed Vertic (F18)
	ogen Sulfide (A4)			=	atrix (F2)			arent Material (TF2)
	ogen Sullide (A4) ified Layers (A5) (LRR (C)		=		'		
	• , , ,	C)		d Matrix (-		Other	(Explain in Remarks)
	Muck (A9) (LRR D)	- (644)		Dark Surfa		7)		
	eted Below Dark Surfac	e (A11)			urface (F7)		
Thick Dark Surface (A12) Redox Depressio							³ lr	ndicators of hydrophytic vegetation and
	Sandy Mucky Mineral (S1) Vernal Pools (F9)							wetland hydrology must be present,
	ly Gleyed Matrix (S4)							unless disturbed or problematic.
	e Layer (if present):							
Type:								.
Depth (inc	hes):					H	ydric Soil Pres	sent? Yes X No
VDBOL OC	·v							
Wetland F	SY Hydrology Indicators: dicators (minimum of or	ne require	ed; check all that a	pply)				Secondary Indicators (2 or more required)
Wetland F Primary In	lydrology Indicators: dicators (minimum of or	ne require						
Wetland F Primary In Surfa	lydrology Indicators: dicators (minimum of or nce Water (A1)	ne require	Salt Cru	ıst (B11))		<u>s</u>	Water Marks (B1) (Riverine)
Wetland F Primary In Surfa High	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2)	ne require	Salt Cru Biotic C	ıst (B11) rust (B12	•	·)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Wetland F Primary In Surfa High Satu	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3)		Salt Cru Biotic C Aquatic	ıst (B11) rust (B12 Invertebr	ates (B13	-	<u>§</u> - -	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Wetland F Primary In Surfa High Satur	dydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver	rine)	Salt Cru Biotic C Aquatic Hydrog	ist (B11) rust (B12 Invertebr en Sulfide	rates (B13 e Odor (C	1)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Wetland F Primary In Surfa High Satur Wate	dicators: dicators: dicators (minimum of or	rine) onriverine	Salt Cru Biotic C Aquatic Hydrogo X Oxidize	ust (B11) rust (B12 Invertebr en Sulfide d Rhizosp	rates (B13 e Odor (C <i>*</i> oheres alc	1) ong Living		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland F Primary In Surfa High Satur Wate Sedir Drift	dicators: dicators: dicators (minimum of or	rine) onriverine	Salt Cru Biotic C Aquatic Hydrogo X Oxidize Presence	ust (B11) rust (B12 Invertebren Sulfide d Rhizospee of Red	rates (B13 e Odor (C2 oheres ald uced 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) Crayfish Burrows (C8)
Wetland F Primary In Surfa High Satur Wate Sedir Drift	dicators (minimum of or	rine) onriverine erine)	Salt Cru Biotic C Aquatic Hydrogo X Oxidize Preseno Recent	ust (B11) rust (B12) Invertebren Sulfided Rhizospee of Redulton Redu	rates (B13 e Odor (C oheres alo uced Iron uction 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) Saturation Visible on Aerial Imagery (C9)
Wetland F Primary In Surfa High Satur Wate Sedir Drift Surfa	dicators (minimum of or	rine) onriverine erine)	Salt Cru Biotic C Aquatic Hydrogo) X Oxidize Presend Recent B7) Thin Mu	rust (B11) rust (B12) Invertebren Sulfided Rhizospee of Redultron Reducts Reducts Surface	rates (B13 codor (C2 oheres alo uced Iron uction in Toce (C7)	ng Living (C4) illed 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)
Wetland F Primary In Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate	dicators (minimum of or	rine) onriverine erine)	Salt Cru Biotic C Aquatic Hydrogo) X Oxidize Presend Recent B7) Thin Mu	rust (B11) rust (B12) Invertebren Sulfided Rhizospee of Redultron Reducts Reducts Surface	rates (B13 e Odor (C oheres alo uced Iron uction in T	ng Living (C4) illed 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)
Wetland F Primary In Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate	dicators (minimum of or	rine) onriverine orine) Imagery (Salt Cru Biotic C Aquatic Hydroge N Oxidize Presence Recent B7) Thin Mu Other (I	ust (B11) rust (B12) Invertebren Sulfide d Rhizospee of Red Iron Red uck Surfac Explain in	rates (B13 c Odor (C' pheres alc uced Iron uction in T ce (C7) Remarks	ng Living (C4) illed 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)
Wetland F Primary In Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate Field Obse	dicators (minimum of or once Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriver ment Deposits (B2) (Nonriver Cace Soil Cracks (B6) dation Visible on Aerial I er-Stained Leaves (B9) ervations: dater Present? Yes	rine) enriverine erine) Imagery (Salt Cru Biotic C Aquatic Hydrogo No X Oxidize Present Recent Thin Mu Other (I	ust (B11) rust (B12) Invertebren Sulfide d Rhizospee of Red Iron Red uck Surface Explain in	rates (B13 e Odor (C' obheres alo uced Iron uction in T ce (C7) Remarks	ng Living (C4) illed 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)
Wetland F Primary In Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate Field Obse Surface W Water Tab	dicators (minimum of or one Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriver ment Deposits (B2) (Nonriver ce Soil Cracks (B6) dation Visible on Aerial I er-Stained Leaves (B9) ervations: dater Present? Yes	rine) enriverine erine) Imagery (Salt Cru Biotic C Aquatic Hydroge Your Control Hydroge Hydroge Presence Recent Recent Hydroge Presence Recent Cother (But the control No X Depth Depth	rust (B11) rust (B12) Invertebren Sulfide d Rhizospee of Red Iron Reduck Surface Explain in n (inches)	rates (B13 e Odor (C' obheres alo uced Iron uction in T ce (C7) Remarks	ng Living (C4) illed Soil	g Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland F Primary In Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate Field Obs Surface W Water Tab Saturation	dicators (minimum of or	rine) enriverine erine) Imagery (Salt Cru Biotic C Aquatic Hydroge Your Control Hydroge Hydroge Presence Recent Recent Hydroge Presence Recent Cother (But the control No X Depth Depth	ust (B11) rust (B12) Invertebren Sulfide d Rhizospee of Red Iron Red uck Surface Explain in	rates (B13 e Odor (C' obheres alo uced Iron uction in T ce (C7) Remarks	ng Living (C4) illed Soil	g Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland F Primary In Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate Field Obs Surface W Water Tab Saturation (includes of	dicators (minimum of or	rine) enriverine erine) Imagery (Salt Cru Biotic C Aquatic Hydroge No X Oxidize Present Recent Thin Mu Other (B No X Depth No X Depth No X Depth	ust (B11) rust (B12) Invertebren Sulfide d Rhizospee of Redi Iron Redu uck Surface Explain in n (inches) n (inches)	rates (B13 e Odor (C' obheres alo uced Iron uction in T ce (C7) Remarks	ng Living (C4) Filled Soil	g Roots (C3) s (C6) Wetland Hyd	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)
Primary In Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate Field Obs Surface W Water Tab Saturation (includes of	dicators (minimum of or	rine) enriverine erine) Imagery (Salt Cru Biotic C Aquatic Hydroge No X Oxidize Present Recent Thin Mu Other (B No X Depth No X Depth No X Depth	ust (B11) rust (B12) Invertebren Sulfide d Rhizospee of Redi Iron Redu uck Surface Explain in n (inches) n (inches)	rates (B13 e Odor (C' obheres alo uced Iron uction in T ce (C7) Remarks	ng Living (C4) Filled Soil	g Roots (C3) s (C6) Wetland Hyd	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 F Primary In Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate Field Obs Surface W Water Tab Saturation (includes of	dicators (minimum of or	rine) enriverine erine) Imagery (Salt Cru Biotic C Aquatic Hydroge No X Oxidize Present Recent Thin Mu Other (B No X Depth No X Depth No X Depth	ust (B11) rust (B12) Invertebren Sulfide d Rhizospee of Redi Iron Redu uck Surface Explain in n (inches) n (inches)	rates (B13 e Odor (C' obheres alo uced Iron uction in T ce (C7) Remarks	ng Living (C4) Filled Soil	g Roots (C3) s (C6) Wetland Hyd	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 F Primary In Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate Field Obs Surface W Water Tab Saturation (includes cescribe Re	dicators (minimum of or	rine) enriverine erine) Imagery (Salt Cru Biotic C Aquatic Hydroge No X Oxidize Present Recent Thin Mu Other (B No X Depth No X Depth No X Depth	ust (B11) rust (B12) Invertebren Sulfide d Rhizospee of Redi Iron Redu uck Surface Explain in n (inches) n (inches)	rates (B13 e Odor (C' obheres alo uced Iron uction in T ce (C7) Remarks	ng Living (C4) Filled Soil	g Roots (C3) s (C6) Wetland Hyd	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 F Primary In- Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate Field Obs Surface W Water Tab Saturation includes c	dicators (minimum of or	rine) enriverine erine) Imagery (Salt Cru Biotic C Aquatic Hydroge No X Oxidize Present Recent Thin Mu Other (B No X Depth No X Depth No X Depth	ust (B11) rust (B12) Invertebren Sulfide d Rhizospee of Redi Iron Redu uck Surface Explain in n (inches) n (inches)	rates (B13 e Odor (C' obheres alo uced Iron uction in T ce (C7) Remarks	ng Living (C4) Filled Soil	g Roots (C3) s (C6) Wetland Hyd	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland F rimary In Surfa High Satur Wate Sedir Drift Surfa Inunc X Wate ield Observator Tab staturation ncludes coscribe Re	dicators (minimum of or	rine) enriverine erine) Imagery (Salt Cru Biotic C Aquatic Hydroge No X Oxidize Present Recent Thin Mu Other (B No X Depth No X Depth No X Depth	ust (B11) rust (B12) Invertebren Sulfide d Rhizospee of Redi Iron Redu uck Surface Explain in n (inches) n (inches)	rates (B13 e Odor (C' obheres alo uced Iron uction in T ce (C7) Remarks	ng Living (C4) Filled Soil	g Roots (C3) s (C6) Wetland Hyd	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)

Applicant/Owner: Premier Homes Investigator(s): Bonnie Peterson/Madrone Ecological S		CA	Sampling Po	nint: DP-3	
Investigator(s): Bonnie Peterson/Madrone Ecological S			1 3	JIIII. <u>DI -</u> 3	
· · · <u> </u>	ection, Township, Rang	ge: Section 21, Township	11 North, R	ange 7 East	
Landform (hillslope, terrace, etc.): Hillslope Lc	cal relief (concave, conv	vex, none): none		Slope (%):	3
Subregion (LRR): Mediterranean California (LRR C) Lat:		Long:		Datum:	NAD 83
Soil Map Unit Name: (106) and (107) Andregg coarse sandy loam		NWI Classification:			
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X*	No(I	f no, explain i	n Remarks.)
Are Vegetation, Soil, or Hydrology signifi	antly disturbed? Are	e "Normal Circumstances	" present?	Yes X	No
Are Vegetation, Soil, or Hydrology natura	lly problematic? (If n	needed, explain any answ	ers in Rema	ks.)	
SUMMARY OF FINDINGS – Attach site map showing sam	oling point location	ns, transects, impor	tant featu	res, etc.	
Hydrophytic Vegetation Present? Yes No X	he Sampled Area				
Hydric Soil Present? YesNoX	thin a Wetland?	Yes	No X		
Wetland Hydrology Present? YesNo X					
VEGETATION – Use scientific names of plants.					
Absolute Domi	nant Indicator Domi	inance Test worksheet:			
Tree Stratum (Plot size:) % Cover Speci		ber of Dominant Species			
1		Are OBL, FACW, or FAC	:	0	(A)
2.	Total	Number of Dominant			,` '
3.	Speci	ies Across All Strata:		3	(B)
4.	Perce	ent of Dominant Species			. ` '
0 =Total		Are OBL, FACW, or FAC	:	0%	(A/B)
Sapling/Shrub Stratum (Plot size:)		alence Index Worksheet	:		
1		Total % Cover of:		iply by:	-
2		·	1 =	0	-
3		· —	2 =	0	-
4		· —	3 =	0	-
5		· —		40	-
=Total <u>Herb Stratum</u> (Plot size: <u>1 meter</u> ²)		•		150 190	(D)
1. Bromus diandrus	_	mn Totals: 100 (<i>l</i> evalence Index = B/A =	4.9		_(B)
2. Carduus pycnocephalus 15		Evalence index - B/A -	7.0	'	
3. Rubus armeniacus 10		ophytic Vegetation Indi	cators:		
4. Vicia villosa 10 N		Dominance Test is >			
5. Avena barbata 30	UPL	Prevalence Index is	≤3.0 ¹		
6. Cynodon dactylon 25	UPL	Morphological Adapta	ations ¹ (Provi	de supportir	ng
7		data in Remarks or o	n a separate	sheet)	·
8		Problematic Hydroph	ytic Vegetation	on¹ (Explain))
100=Total	Cover				
Woody Vine Stratum (Plot size:) 1		cators of hydric soil and w esent, unless disturbed o			
2	Hydro	ophytic			
=Total	Cover Vege	etation			
% Bare Ground in Herb Stratum 0 % Cover of Biotic C	rust Prese	ent? Y	es	No X	<u> </u>
Remarks:	+				

Profile Des	scription: (Describe t	o the dept	h needed to do	cument t	he indica	tor or o	onfirm the abse	ence of indicators.)			
Depth	Matrix		Re	dox Featu	ures						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	<u> </u>	Remarks		
0-4	10 YR 4/3	99 1	0 YR 4/4	1	С	М	sandy loam				
4-10	10 YR 4/3	<u>55</u> <u>1</u>	0 YR 4/4	45	С	М	sandy loam	<u> </u>			
								<u> </u>			
							<u> </u>	<u> </u>			
							<u> </u>	<u> </u>			
							<u> </u>	<u> </u>			
							<u> </u>	<u> </u>			
¹ Type: C=C	oncentration, D=Depletio	n, RM=Redu	iced Matrix, CS=C	overed or	Coated Sa	and Grai	ns. ² Location: PL	=Pore Lining, M=Matr	X.		
Hydric Soi	I Indicators: (Applica	ble to all L	RRs, unless ot	herwise ı	noted.)		Indicators for	or Problematic Hyd	lric Soils³:		
Histos	sol (A1)		Sandy I	Redox (S5	5)			luck (A9) (LRR C)			
	Epipedon (A2)			d Matrix (-			luck (A10) (LRR B)			
	Histic (A3)			-	neral (F1))		ed Vertic (F18)			
	gen Sulfide (A4)			-	atrix (F2)			arent Material (TF2)			
	fied Layers (A5) (LRR (C)		d Matrix (,		Explain in Remarks)			
	Muck (A9) (LRR D)	-		Dark Surfa	-			,			
	ted Below Dark Surfac	e (A11)			urface (F7	7)					
	Dark Surface (A12)	, ,		Depressio	-	•	³ ln	dicators of hydrophy	rtic vocatation	o and	
	/ Mucky Mineral (S1)	Vernal I	Pools (F9))			wetland hydrology m	•			
Sandy	Gleyed Matrix (S4)							unless disturbed o	•		
Restrictive	Layer (if present):										
Type:											
Depth (inch	nes):						Hydric Soil Pres	ent? Y	es	No	X
Remarks:	<u> </u>		<u> </u>								
11)/0001 00	·										
HYDROLOG	<u>Y</u> ydrology Indicators:										
	dicators (minimum of or	na required	· check all that a	nnly)			S	econdary Indicators	(2 or more re	aquired)	
	ce Water (A1)	ie required		ust (B11)			<u> </u>	Water Marks (B			
	Water Table (A2)			rust (B12	1		_	Sediment Depos			
	ation (A3)			•	ates (B13	3)	_	Drift Deposits (E		•	
	r Marks (B1) (Nonriver	ina)			e Odor (C	•	_	Drainage Patter		,	
	nent Deposits (B2) (No				-	•	ng Roots (C3)	Dry-Season Wa	, ,)	
	Deposits (B3) (Nonrive	-		-	uced Iron	_	ig (00) _	Crayfish Burrow	· ·	•)	
	ce Soil Cracks (B6)	11110)			uction in T			Saturation Visib		magery ((C9)
	ation Visible on Aerial I	magery (R		ick Surfac		i ilica oc		Shallow Aquitar		nagery ((00)
	r-Stained Leaves (B9)	magery (D	•		Remarks	٠)	_	FAC-Neutral Te			
					TCHIAIRS	'/	_		31 (D0)		
Field Obse			lo Y Dorth	(inches)							
Water Tabl				n (inches) n (inches)							
Saturation I				i (inches)			Wetland Hyd	Irology Present?	Yes	No	X
	apillary fringe)		.о <u>х</u> вори	(11101100)	·		- Wolland Hyd	nology i rosciit.		_'``_	
	corded Data (stream ga	uge, monit	oring well, aerial	photos, p	orevious i	nspectio	ons), if available:				
Domarks:											
Remarks:											

Project/Site:	Premier Montaire			City/County:	Loomis/ Pla	acer		Sampling I	Date:	08/23/22
Applicant/Owner:	Premier Homes						CA	Sampling I	Point: DP-	4
Investigator(s):	Bonnie Peterson/M	ladrone Ecological		Section	n, Township,	, Range: <u>Sectio</u>	on 21, Townsh	nip 11 North,	Range 7 Ea	ast
Landform (hillslop	oe, terrace, etc.):	Hillslope		_ Local re	elief (concave	e, convex, none)): none		Slope (%)):3
Subregion (LRR):	Mediterranean Cali	fornia (LRR C)	Lat:			Long	j:		Datur	m: <u>NAD 83</u>
Soil Map Unit Nar	me: <u>(106)</u> and (1	107) Andregg coar	se sandy loa	am		NWI C	lassification:			
Are climatic / hyd	rologic conditions on	the site typical for	r this time of	year?	Yes_	X* No	0	(If no, explair	ı in Remark	(s.)
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "Normal	Circumstance	s" present?	Yes X	No
Are Vegetation	, Soil	, or Hydrology		naturally pro	oblematic?	(If needed, ex	xplain any ans	wers in Rem	arks.)	
SUMMARY O	F FINDINGS – A	ttach site map	showing	sampling	point loc	cations, trans	sects, impo	ortant featu	ıres, etc.	
Hydrophytic Vege	etation Present?	YesN		Is the Sa	ampled Area	а				
Hydric Soil Prese		YesN	o X		a Wetland?	YAS	·	No X	<u> </u>	
Wetland Hydrolo	gy Present?	YesN	o X							
VEGETATION	- Use scientifi	c names of pla	ants.							
			Absolute	Dominant	Indicator	Dominance Te	est workshee	t:		
Tree Stratum	(Plot size:	1	% Cover		Status	Number of Don				
1	`	· · · · · · · · · · · · · · · · · · ·			-	That Are OBL,	•		1	(A)
2						Total Number of	of Dominant			
3.						Species Across			2	(B)
4.						Percent of Dom	ninant Species			_` '
			0	=Total Cove	r	That Are OBL,			50%	(A/B)
	Stratum (Plot size: _)				Prevalence Inc		et:		
1						Total % C		-	ıltiply by:	_
2						OBL species		x1 =	0	_
3						FACW species		x2 = x3 =	120	_
4 5.						FAC species FACU species		x3 = x4 =	0	_
J			0	=Total Cove		UPL species		x5 =	150	_
Herb Stratum	(Plot size: 1 met	ter ²)		Total Gove		Column Totals:	-	(A)	270	(B)
1. Paspalum di			40	Υ	FAC		ndex = B/A =	` '	.9	(-/
	um) miliaceam		30	Υ	UPL	1	-			_
3.						Hydrophytic V	egetation Inc	licators:		
1							nance Test is			
							lence Index is			
							nological Adap			rting
							n Remarks or		,	
8			70			Proble	ematic Hydrop	hytic Vegeta	tion⁺ (Expla	ın)
	tratum (Plot size:	,	70	=Total Cove	r	¹ Indicators of h				
2.						Hydrophytic				
				=Total Cove	r	Vegetation				
% Bare Ground	d in Herb Stratum	30*	% Cover of I	Biotic Crust		Present?		Yes	No	X
Remarks:* Thatcl	າ									

	scription: (Describe	to the depth				or or co	onfirm the absen	ce of indicators.)			
Depth	Matrix			dox Feat			_				
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	_	Remarks		
0-10	10 YR 5/2	100					Sandy loam				
-											
-											
							_				
1 	December 1	- DM-D-du	M-+ 00-0		0410	-1 0:	21				
Type: C=C	Concentration, D=Depletion	on, Rivi=Reduc	ed Matrix, CS=C	overed or	Coated San	a Grain	s. Location: PL=F	Pore Lining, M=Matri	Х.		
Hydric So	il Indicators: (Applica	able to all LF	RRs, unless oth	nerwise	noted.)		Indicators for	Problematic Hyd	ric Soils³:		
Histo	sol (A1)		Sandy R	ledox (S	5)		1 cm Mu	ck (A9) (LRR C)			
Histic	Epipedon (A2)		Stripped	Matrix ((S6)		2 cm Mu	ck (A10) (LRR B)			
Black	(Histic (A3)		Loamy N	/lucky M	ineral (F1)		Reduced	Vertic (F18)			
Hydro	ogen Sulfide (A4)		Loamy (Sleyed M	latrix (F2)		Red Pare	ent Material (TF2)			
Strati	fied Layers (A5) (LRR	C)	Depleted	d Matrix	(F3)		Other (E	xplain in Remarks)			
1 cm	Muck (A9) (LRR D)		Redox D	ark Surf	face (F6)		-				
Deple	eted Below Dark Surfac	ce (A11)	Depleted	d Dark S	surface (F7)						
Thick	Dark Surface (A12)		Redox D	epressi	ons (F8)		³ Indi	cators of hydrophy	tic vegetation	n and	
Sand	y Mucky Mineral (S1)		Vernal F	ools (F9	9)			etland hydrology m	-		
Sand	y Gleyed Matrix (S4)							unless disturbed o	r problematio		
Restrictive	e Layer (if present):										
Type:											
Depth (incl	hes):		_			Н	ydric Soil Preser	nt? Yo	es	No	X
Remarks:											
10/000100											
HYDROLOG											
	lydrology Indicators:	no roquirod:	abook all that ar	י אמי			Soci	aandaru Indiaatara	() or more re	auirod)	
	dicators (minimum of o	ne requirea;						condary Indicators			
	ice Water (A1)		Salt Cru					Water Marks (B			
	Water Table (A2)		Biotic C		•			Sediment Depos			
	ration (A3)	!\			rates (B13)			Drift Deposits (E)	
	er Marks (B1) (Nonrive				e Odor (C1)		Roots (C3)	Drainage Patter		.\	
	ment Deposits (B2) (No	= -			•	•	g Roois (C3)	Dry-Season Wa	=	.)	
	Deposits (B3) (Nonrive ice Soil Cracks (B6)	erine)			duced Iron (duction in Til			Crayfish BurrowSaturation Visible		magan, /	(CO)
	dation Visible on Aerial	Imagan, (D7)				ieu Sui		_		nagery ((09)
		imagery (b7)						Shallow Aquitard			
	er-Stained Leaves (B9)		Other (E	xpiain ir	n Remarks)		_	FAC-Neutral Te	St (D5)		
Field Obse			V 5 "	<i>(</i> '							
	ater Present? Yes			(inches							
	le Present? Yes			(inches			Wetlered	alamı Burası (O	V	NI.	v
Saturation		No	X Depth	(inches)):		wetiand Hydro	ology Present?	Yes	No	Х
	capillary fringe) corded Data (stream ga	auge, monito	ring well, aerial	photos	previous ins	pection	Ins), if available:				
Remarks: No	inundation or saturation	on visable on	aerial imagery.								

Project/Site:	Premier Montaire			City/County:	Loomis/ Pl	acer		Samp	ling Date:		10/07/22
Applicant/Owner:	Premier Homes						CA	Samp	ling Point:	DP-5	
Investigator(s):	Bonnie Peterson/M	ladrone Ecologica		Section	n, Township	, Range: Se	ection 21, Towns	ոip 11 No	orth, Range	∍ 7 East	i
Landform (hillslop	pe, terrace, etc.):	Hillslope		_ Local re	lief (concav	e, convex, no	one): <u>none</u>		Slop	oe (%):	1
Subregion (LRR)	: Mediterranean Cali	fornia (LRR C)	Lat:			L	.ong:			Datum:	NAD 83
Soil Map Unit Na	me: <u>(106)</u> Andre	egg coarse sandy	loam			NW	/I Classification:				
Are climatic / hyd	Irologic conditions or	the site typical fo	r this time of	year?	Yes	X*	No	(If no, ex	oplain in Re	emarks.)
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "Norr	mal Circumstance				
Are Vegetation	, Soil		-				d, explain any ans				
SUMMARY O	F FINDINGS – A					cations, tr	ansects, imp	ortant f	eatures,	etc.	
Hydrophytic Vege		Yes X N		Is the Sa	ampled Are	a	W		v		
Hydric Soil Prese			lo X lo X	within a	a Wetland?		Yes	No	X	_	
Wetland Hydrolo	gy Present? County is in a Seve										
	re dominated by anno										
			Absolute	Dominant	Indicator	Dominance	e Test workshee				
T 01 1	(DL 4 . :-	,	% Cover		Status		Dominant Specie				
	(Plot size:)					BL, FACW, or FA		•		(4)
1								· —	2		_(A)
2							er of Dominant ross All Strata:		•		(D)
3									2		_(B)
4							Dominant Specie				
			0	=Total Cove	r	That Are Of	BL, FACW, or FA	.C:	100%		_(A/B)
	Stratum (Plot size:)					Index Workshe	et:		_	
1						-	% Cover of:	. —	Multiply I	oy:	=
2						OBL specie		x1 =	30		=
3						FACW spec		x2 =	90		-
4						FAC specie		x3 =	30		-
5						FACU spec		x4 =	0		=
		. 2	0	=Total Cove	r	UPL specie		x5 =	0		
	(Plot size: <u>1 m</u>	<u>eter*</u>)			ODI	Column Tot		(A)	150		_(B)
1. Mentha pule	•		30	<u>Y</u>	OBL	Prevalen	ce Index = B/A =		1.8		-
2. Holcus lana			10	N	FAC						
3. Euthamia od			<u>40</u> 5	<u>Y</u>	FACW	l	ic Vegetation In		:		
4. Epilobium d	erisillorum		<u> </u>	<u>N</u>	FACW	l ———	ominance Test is				
							evalence Index is				
6							orphological Ada				ng
7							nta in Remarks or			,	`
8						Pr	oblematic Hydro	onytic ve	getation (Explain))
M - 1-1/2 - 0	, , , , , , , , , , , , , , , , , , ,	,	85	=Total Cove	r	1	.				
4	tratum (Plot size: _	· · · · · · · · · · · · · · · · · · ·					of hydric soil and unless disturbed			must	
								or proble	anauc.		
2						Hydrophyt					
0/ Para Cra	d in Horb Ctrotus	15	% Cover of I	=Total Cove	Ī	Vegetation		Voc	Y 11.		
	d in Herb Stratum	15	70 Cover of I	DIUIIC CTUST		Present?		Yes	X No	<u>'</u>	
Remarks:											

	scription: (Describe	to the depth				or or co	onfirm the absen	ce of indicators.)			
Depth	Matrix			dox Feat			_				
(inches)	Color (moist)		color (moist)	%	Type ¹	Loc ²	Texture	_	Remarks		
0-10	10 YR 3/2	100					Sandy Ioam	_			
								_			
								_			
-								_			
					· —— -		_				
								_			
							_	_			
1 	Name and the Department of the Control of the Contr	DM-D-dua	I M-+-i 00-0		0410	-1 0:	21	D Lisis - M-M-M			
Type: C=C	Concentration, D=Depletion	on, Rivi=Reduce	ed Matrix, CS=C	overed or	Coated San	a Grain	s. Location: PL=F	Pore Lining, M=Matri	Х.		
Hydric So	il Indicators: (Applica	able to all LR	Rs, unless oth	nerwise	noted.)		Indicators for	Problematic Hyd	ric Soils³:		
Histo	sol (A1)		Sandy R	Redox (S	5)		1 cm Mu	ck (A9) (LRR C)			
Histic	Epipedon (A2)		Stripped	Matrix (S6)		2 cm Mu	ck (A10) (LRR B)			
Black	Histic (A3)		Loamy N	Лucky М	ineral (F1)		Reduced	l Vertic (F18)			
Hydro	ogen Sulfide (A4)		Loamy (Gleyed M	1atrix (F2)		Red Pare	ent Material (TF2)			
Strati	fied Layers (A5) (LRR	C)	Depleted	d Matrix	(F3)		Other (E	xplain in Remarks)			
1 cm	Muck (A9) (LRR D)		Redox D	ark Surf	face (F6)		-				
Deple	eted Below Dark Surfac	ce (A11)	Depleted	d Dark S	urface (F7)						
Thick	Dark Surface (A12)		Redox D	epression	ons (F8)		³ Indi	cators of hydrophy	tic vegetation	n and	
Sand	y Mucky Mineral (S1)		Vernal F	ools (F9	9)			etland hydrology m	-		
Sand	y Gleyed Matrix (S4)							unless disturbed o	r problematic	-	
Restrictive	e Layer (if present):										
Type:											
Depth (incl	hes):		_			Н	ydric Soil Preser	nt? Yo	es	No	X
HYDROLOG	SY										
	lydrology Indicators:										
	dicators (minimum of o	ne required; o	check all that ap	oply)			Sec	condary Indicators	(2 or more re	equired)	
Surfa	ce Water (A1)	·	Salt Cru	st (B11)				Water Marks (B	1) (Riverine)		
— High	Water Table (A2)		Biotic Cı	rust (B12	2)			Sediment Depos	sits (B2) (Riv	erine)	
Satur	ration (A3)		Aquatic	Inverteb	rates (B13)			Drift Deposits (B	3) (Riverine)	
Wate	r Marks (B1) (Nonrive	rine)	Hydroge	n Sulfide	e Odor (C1)			Drainage Patter	ns (B10)		
Sedir	nent Deposits (B2) (No	nriverine)	Oxidized	Rhizos	pheres alon	g Livin	g Roots (C3)	Dry-Season Wa	ter Table (C2	2)	
Drift I	Deposits (B3) (Nonrive	erine)	Presence	e of Rec	luced Iron (0	C4)		Crayfish Burrow	s (C8)		
Surfa	ce Soil Cracks (B6)		Recent I	ron Red	uction in Till	led Soi	ls (C6)	Saturation Visibl	e on Aerial Ir	nagery ((C9)
Inund	lation Visible on Aerial	Imagery (B7)	Thin Mu	ck Surfa	ce (C7)			Shallow Aquitard	d (D3)		
Wate	r-Stained Leaves (B9)		Other (E	xplain in	Remarks)			_ FAC-Neutral Tes	st (D5)		
Field Obse	ervations:										
Surface W	ater Present? Yes	No	X Depth	(inches)):						
Water Tab	le Present? Yes	No	X Depth	(inches)):						
Saturation		No No	X Depth	(inches)):		Wetland Hydro	ology Present?	Yes	No_	X
	apillary fringe)						1				
Describe Red	corded Data (stream ga	auge, monitor	ing well, aerial	photos,	previous ins	pection	ns), it available:				
Remarks:											

Project/Site:	Premier Montaire				City/County:	Loomis/ Pla	acer			_ S	Sampling I	Date:		10/07/22
Applicant/Owner:	Premier Homes								CA	_ S	Sampling I	⊃oint:	DP-6	
Investigator(s):	Bonnie Peterson/N	/ladrone E	cological		Section	n, Township	, Range: S	Section	1 21, Towns	- ship 1	I1 North,	Range	7 East	
Landform (hillslop	e, terrace, etc.):	Hillslop	е		Local re	elief (concave	e, convex, r	one):	Concave			Slope	e (%):	0
Subregion (LRR):	Mediterranean Ca	ifornia (LR	RC)	Lat:				Long:					atum: I	NAD 83
Soil Map Unit Nan	ne: (106) Andr	egg coarse	e sandy l	oam				VI Cla	ssification:			_	_	
Are climatic / hydr	ologic conditions o	n the site t	ypical for	this time of	year?	Yes	X*	No		(If r	o, explair	in Rer	narks.)	
Are Vegetation	, Soil	, or Hyd	drology		significantly	disturbed?	Are "No	rmal C	Circumstand	es" p	oresent?	Yes	<u> </u>	No
Are Vegetation	, Soil	, or Hyd	drology		naturally pro	oblematic?	(If neede	d, exp	olain any an	swei	rs in Rem	arks.)		
SUMMARY OF	FINDINGS - A	Attach si	te map	showing	ı sampling	g point lo	cations, t	rans	ects, imp	orta	ınt featı	ıres, (etc.	
Hydrophytic Vege	tation Present?	Yes	ΧN	0										
Hydric Soil Preser		Yes	X N			ampled Area	a	Yes	X	No)			
Wetland Hydrolog		Yes		0	within	a Wetland?					-			
wislizeni var. wisli					,									
VEGETATION	 Use scientif 	ic name	s of pla	ants.										
				Absolute	Dominant	Indicator	Dominand	e Tes	st workshe	et:				
Tree Stratum	(Plot size:)	% Cover	Species?	Status			inant Speci					
1							That Are C	DBL, F	ACW, or F	AC:		3	((A)
2									Dominant					
3							Species A	cross	All Strata:		-	3	((B)
4									nant Specie					
				0	=Total Cove	r	That Are C	BL, F	ACW, or F	AC:	-	100%	((A/B)
0 11 (0) 1	o		,											
Sapling/Shrub :	Stratum (Plot size:)						ex Workshover of:	eet:	M	ıltinly b	ı.r.	
2.					. ———		OBL speci		20	_ x1 =		ıltiply by	<u>/·</u>	
3.					· 		FACW spe		40	_^! = x2 =	-	80		
4					. ———		FAC speci		20	_^_ x3 :		60		
5.					· 		FACU spe		20	 x4 =		80		
				0	=Total Cove	r	UPL speci		0	_··· x5 =		0		
Herb Stratum	(Plot size: 1 me	eter ²)					Column To		100	(A)	-	240		(B)
1. Phytolacca	mericana var. a	mericana	9	10	N	FACU	Prevaler	nce In	dex = B/A =	_ ` <i>′</i> :	2	.4		,
2. Solanum nig	rum			10	N	FACU								
3. Mentha pule				20	Υ	OBL	Hydrophy	tic Ve	getation In	dica	tors:			
4. Xanthium str				20	Y	FAC		omin	ance Test is	s >50)%			
5. Euthamia oc	cidentalis			40	<u> </u>	FACW			ence Index					
									ological Ada					g
7									Remarks o				•	
8							F	roble	matic Hydro	phyt	ic Vegeta	tion' (E	xplain)	
	ratum (Plot size: _			100	=Total Cove	r			dric soil and				nust	
2.					· 		•							
					=Total Cove		Hydrophy Vegetation							
% Bare Ground	I in Herb Stratum	0		% Cover of I	Biotic Crust	10	Present?		Χ	Yes	5	No		
Remarks:					<u> </u>									

						. 0. 00.	nfirm the ab		•	
Depth	Matrix			dox Feat		. 2	_			
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-12	10 yr 3/1	100					Sandy loar	<u> </u>		
								<u> </u>		
								<u> </u>		
1- 0.0						<u> </u>	2,			
Type: C=C	Concentration, D=Depletion	on, RM=Reduc	ed Matrix, CS=Co	overed or	Coated San	d Grains.	. Location: I	PL=Pore Lining, M=	Matrix.	
Hydric Soi	il Indicators: (Applica	able to all LF	RRs, unless oth	nerwise	noted.)		Indicators	for Problematic	Hydric Soils ³ :	
Histo	sol (A1)		Sandy R	edox (S	5)		1 cm	Muck (A9) (LRR	C)	
Histic	Epipedon (A2)		Stripped	Matrix (S6)		2 cm	Muck (A10) (LRR	2 B)	
Black	Histic (A3)		Loamy N	/lucky Mi	ineral (F1)		Redu	ced Vertic (F18)		
Hydro	ogen Sulfide (A4)		Loamy C	Sleyed M	latrix (F2)		Red	Parent Material (T	F2)	
	fied Layers (A5) (LRR	C)	Depleted	-				r (Explain in Rema		
1 cm	Muck (A9) (LRR D)				ace (F6)					
	eted Below Dark Surfac	ce (A11)	X Depleted	d Dark S	urface (F7)					
Thick	Dark Surface (A12)		Redox D	epressio	ons (F8)		3	Indicators of hydr	ophytic vegetation and	4
Sand	y Mucky Mineral (S1)		Vernal P	ools (F9	9)			•	gy must be present,	4
Sand	y Gleyed Matrix (S4)							•	ed or problematic.	
Restrictive	e Layer (if present):									
Type:										
Depth (incl	hes):		_			Hv	dric Soil Pre	esent?	Yes X N	0
Remarks:	<u> </u>		_							
1										
Wetland H	lydrology Indicators:									
Wetland H Primary Ind	lydrology Indicators: dicators (minimum of o	ne required;							itors (2 or more requir	ed)
Wetland H Primary Ind Surfa	lydrology Indicators: dicators (minimum of o	ne required;	Salt Cru	st (B11)				Water Mark	s (B1) (Riverine)	•
Wetland H Primary Ind Surfa High	lydrology Indicators: dicators (minimum of on the Water (A1) Water Table (A2)	ne required;	Salt Crus X Biotic Cr	st (B11) ust (B12	2)			Water Mark Sediment D	s (B1) (Riverine) eposits (B2) (Riverin e	•
Primary Ind Surfa High Satur	lydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3)		X Biotic Cr Aquatic	st (B11) rust (B12 Invertebi	2) rates (B13)			Water Mark Sediment D X Drift Deposi	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine)	•
Wetland H Primary Ind Surfa High Satur Wate	lydrology Indicators: dicators (minimum of o ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonrive	rine)	X Biotic Cr Aquatic Hydroge	st (B11) rust (B12 Invertebi	2) rates (B13) e Odor (C1)			Water Mark Sediment D X Drift Deposi Drainage Pa	s (B1) (Riverine) eposits (B2) (Riverine ts (B3) (Riverine) atterns (B10)	•
Wetland H Primary Ind Surfa High Satur Wate Sedin	Industrial	rine) onriverine)	X Biotic Cr Aquatic Hydroge Oxidized	st (B11) rust (B12 Invertebr n Sulfide I Rhizosp	2) rates (B13) e Odor (C1) pheres alon	-	Roots (C3)	Water Mark Sediment D X Drift Deposi Drainage Pa Dry-Season	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10) Water Table (C2)	•
Wetland H Primary Inc Surfa High Satur Wate Sedin	lydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver	rine) onriverine)	X Biotic Cr Aquatic Hydroge Oxidized Presence	st (B11) rust (B12 Inverteb n Sulfide I Rhizos e of Red	2) rates (B13) e Odor (C1) pheres alon luced Iron (0	C4)		Water Mark Sediment D X Drift Deposi Drainage Pa Dry-Season Crayfish Bu	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10) Water Table (C2) rrows (C8)	e)
Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa	dicators (minimum of or dicators (minimum of or dice Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver dice Soil Cracks (B6)	rine) onriverine) erine)	Salt Crue X Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I	st (B11) rust (B12 Invertebren Sulfide I Rhizospe of Red	2) rates (B13) e Odor (C1) pheres along luced Iron (0 uction in Till	C4)		Water Mark Sediment D X Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation \	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Image	e)
Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa	dicators (minimum of one Water (A1) Water Table (A2) Fation (A3) Fat Marks (B1) (Nonriverment Deposits (B2) (Nonriverment Solid Cracks (B6) Mation Visible on Aerial	rine) onriverine) erine)	X Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mu	st (B11) rust (B12) Invertebra n Sulfide I Rhizospe of Red ron Red	2) rates (B13) e Odor (C1) pheres alone luced Iron (0 uction in Till ce (C7)	C4)		Water Mark Sediment D X Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation \ Shallow Aqu	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Image	e)
Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa X Inund	dicators (minimum of or	rine) onriverine) erine)	X Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mu	st (B11) rust (B12) Invertebra n Sulfide I Rhizospe of Red ron Red	2) rates (B13) e Odor (C1) pheres along luced Iron (0 uction in Till	C4)		Water Mark Sediment D X Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation \	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Image	e)
Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa X Inund Wate	dicators (minimum of once Water (A1) Water Table (A2) Fration (A3) Fr Marks (B1) (Nonriversity (B2) (Nonriversity (B3)) Deposits (B3) (Nonriversity (B6)) Detail Cracks (B6) Detail Cracks (B6) Detail Cracks (B9)	rine) onriverine) erine) Imagery (B7)	Salt Crue X 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	rates (B13) e Odor (C1) pheres along luced Iron (Cuction in Till ce (C7) n Remarks)	C4)		Water Mark Sediment D X Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation \ Shallow Aqu	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Image	e)
Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa X Inund Wate Field Obse	dicators (minimum of once Water (A1) Water Table (A2) Fation (A3) Fation (A3) Fation (A3) Fation (B1) (Nonriversity (B2) (Nonriversity (B3)) Fation Visible on Aerial Fation Visible on Aerial Fation Cleaves (B9) Fation Stater Present? Yes	rine) priverine) erine) Imagery (B7)	Salt Crue X Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mue Other (E	st (B11) rust (B12 Invertebren Sulfide I Rhizospe of Red ron Red ck Surfa (inches)	rates (B13) control (B13) cont	C4)		Water Mark Sediment D X Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation \ Shallow Aqu	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Image	e)
Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa X Inund Wate Field Obse Surface W Water Tab	Industry Ind	rine) porriverine) erine) Imagery (B7)	Salt Crue X Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mue Other (E	st (B11) rust (B12) Invertebren Sulfide I Rhizospe of Red ron Red ck Surfa (inches) (inches)	rates (B13) c Odor (C1) pheres along luced Iron (Cuction in Till ce (C7) Remarks)	C4)	s (C6)	Water Mark Sediment D X Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation \ Shallow Aqu FAC-Neutra	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Image uitard (D3) al Test (D5)	ery (C9)
Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa X Inund Wate Field Obse Surface W Water Tab Saturation	dicators (minimum of once Water (A1) Water Table (A2) Fation (A3) Fation (A3) Fation (B1) (Nonriver ment Deposits (B2) (Nonriver ment Deposits (B6) (Nonriver ment Deposits (B6)) Fation Visible on Aerial fation Visible on Aerial fation Visible on Aerial fations: Fatined Leaves (B9) Fervations: Fatined Present? Fatined Vestions (Persent) Fatined Vestions (Persent) Fatined Vestions (Persent) Fatined Vestions (Persent)	rine) porriverine) erine) Imagery (B7)	Salt Crue X Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mue Other (E	st (B11) rust (B12 Invertebren Sulfide I Rhizospe of Red ron Red ck Surfa (inches)	rates (B13) c Odor (C1) pheres along luced Iron (Cuction in Till ce (C7) Remarks)	C4)	s (C6)	Water Mark Sediment D X Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation \ Shallow Aqu	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Image uitard (D3) al Test (D5)	ery (C9)
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Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa X Inund Wate Field Obse Surface W Water Tab Saturation (includes c Describe Red	dicators (minimum of once Water (A1) Water Table (A2) Fation (A3) Fation (A3) Fation (B1) (Nonriver ment Deposits (B2) (Nonriver ment Deposits (B6) (Nonriver ment Deposits (B6)) Fation Visible on Aerial fations: Fations: The Present? The Present? The Present? The Present? The Present of Vestapillary fringe on the present of the prese	rine) pnriverine) erine) Imagery (B7)	Salt Crue X Biotic Cr Aquatic Hydroge Oxidized Presenc Recent I Thin Mue Other (E	st (B11) rust (B12) Inverteble In Sulfide I Rhizosp e of Red ron Red ck Surfact xyplain in (inches) (inches)	rates (B13) e Odor (C1) pheres along luced Iron (Cuction in Till ce (C7) n Remarks) :	C4) led Soils	s (C6) Wetland H	Water Mark Sediment D X Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation \ Shallow Aqu FAC-Neutra	s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10) Water Table (C2) rrows (C8) /isible on Aerial Image uitard (D3) al Test (D5)	ery (C9)

Project/Site:	Premier Montaire			City/County:	Loomis/ Pl	acer			San	npling Date	e:	10/07/22
Applicant/Owner:	Premier Homes						(CA	San	npling Poir	nt: <u>DP-</u>	7
Investigator(s):	Bonnie Peterson/I	Madrone Ecoloς	jical	Section	n, Township	, Range: Se	ection	21, Towns	hip 11	North, Rar	nge 7 Ea	ast
Landform (hillslop	e, terrace, etc.):	Hillslope		Local re	lief (concav	e, convex, no	one): (Concave		S	lope (%):0
Subregion (LRR):	Mediterranean Ca	ılifornia (LRR C)) Lat:			L	ong:				Datur	m: NAD 83
Soil Map Unit Nan	ne: (106) Andr	regg coarse san	ıdy loam			NW	/I Clas	sification:				
Are climatic / hydr	rologic conditions o	n the site typica	I for this time of	year?	Yes	X*	No		(If no,	explain in	Remark	(s.)
Are Vegetation	, Soil	, or Hydrolo	gy	significantly	disturbed?	Are "Norr	mal Ci	rcumstanc	es" pre	sent? Y	es X	No
Are Vegetation	, Soil	, or Hydrolo	gy	naturally pro	oblematic?	(If needed	d, expl	ain any an	swers i	n Remarks	s.)	
SUMMARY OF	FINDINGS -	Attach site n	nap showinເ	ı sampling	point lo	cations, tr	anse	cts, imp	ortan	t feature	s, etc.	ı
Hydrophytic Vege	tation Present?	Yes X	No									
Hydric Soil Preser		Yes X	No		ampled Are		Yes	X	No			
Wetland Hydrolog	y Present?	Yes X	No	within a	a Wetland?		_		_			
Remarks:*Placer	County is in a Seve	∍re Drought, wh	ich is typical of	ecent rain ye	ears. Point is	s located in s	eason	al wetland	SW-3.			
VEGETATION	- Use scientif	fic names of	plants.									
			Absolute	Dominant	Indicator	Dominance						
Tree Stratum	(Plot size:)	% Cover	Species?	Status	Number of						
1						That Are Of		•	٠C: _	1		(A)
2						Total Numb						
3						Species Ac	ross A	iii Strata:	_	1		(B)
4			0	=Total Cove	r	Percent of I That Are Of		•		100	1%	(A/B)
Conling/Chrub	Stratum (Diat aiza:	. \				Drovolonos	Indo	v Worksh				
5apiing/Snrub s	Stratum (Plot size:)				Prevalence Total 9			eet:	Multip	ly by:	
2.						OBL specie		20	x1 =	20		_
3.						FACW spec	_	0	x2 =	0		_
4.						FAC specie	_	80	x3 =	24	0	_
5.						FACU spec	_	0	x4 =	0		_
			0	=Total Cove	r	UPL specie	es –	0	x5 =	0		_
Herb Stratum	(Plot size:1 me	eter ²)				Column Tot	tals:	100	(A)	26	0	(B)
1. Holcus lanar	nthus		80	Y	FAC	Prevalen	ce Ind	ex = B/A =		2.6		<u></u>
2. Juncus xiphi	oides		20	N	OBL							
3						Hydrophyti	ic Veg	jetation In	dicato	rs:		
4								nce Test is				
5								nce Index				
6										s¹ (Provide		rting
7										separate sl		
8				=Total Cove		Pr	robiem	iatic Hydro	pnytic	Vegetation	(Expla	in)
4	ratum (Plot size: _			=Total Cove	,	¹ Indicators of be present,					յy must	
2.						Hydrophyti	ic					
% Bare Ground	d in Herb Stratum		% Cover of	=Total Cove	r	Vegetation Present?			Yes	Х	No	
	a iii i ioib Giiatuiii			DIONO OI USL		1 16361111			103_			
Remarks:												

/· · ·	0 · · · · · ·	~ /	0			. n				_		
(inches)	Color (moist)	<u>%</u>	Color (m	noist) %	Type ¹	Loc ²	Texture			Rema	arks	
0-4	10 yr 3/2	100	F 1/0				Sandy loai	<u>m</u>				
4-12	10 yr 4/1	95	5 yr 4/6		5 <u>C</u>	<u>M</u>	Sand					
							_					
							_					
		· 	-					 -				
							_					
¹ Type: C=C	Concentration, D=Depletion	on, RM=Re	duced Matr	ix, CS=Covere	d or Coated	Sand Grain	s. ² Location: I	PL=Pore l	ining, M=Mat	rix.		
Hydric Soi	il Indicators: (Applica	able to al	I LRRs, ur	nless otherw	ise noted.)		Indicators	for Pro	blematic Hy	dric Soils	s ³ :	
	sol (A1)			Sandy Redox	(S5)		1 cm	Muck (A	9) (LRR C)			
Histic	Epipedon (A2)			Stripped Mat	rix (S6)		2 cm	Muck (A	10) (LRR B)			
Black	(Histic (A3)			Loamy Muck		•	Redu	iced Vert	ic (F18)			
	ogen Sulfide (A4)			Loamy Gleye	•	2)			aterial (TF2)			
	fied Layers (A5) (LRR	C)		Depleted Ma			Othe	r (Explair	n in Remarks	()		
	Muck (A9) (LRR D)	/* · · · ·		Redox Dark								
	eted Below Dark Surface	ce (A11)		Depleted Day	-	-7)						
	Dark Surface (A12)			Redox Depre	, ,		3		s of hydroph			
	y Mucky Mineral (S1)			Vernal Pools	(F9)				d hydrology i			
	y Gleyed Matrix (S4) e Layer (if present):							unies	s disturbed	or bropieri	iialic.	
Resulctive												
_	o Layor (ii procent).											
							Lukia Oali Bu		,	/aa V		N.a.
Depth (inch						F	lydric Soil Pre	esent?		⁄es <u>X</u>	·	No
Depth (incl	hes):					ŀ	lydric Soil Pre	esent?		/es X		No
Depth (inclemants:	hes):					F	lydric Soil Pre	esent?		/es <u>X</u>		No
Depth (inchemarks: YDROLOG Wetland H	hes): SY lydrology Indicators:	ne require	ed; check a	all that apply)		F	lydric Soil Pre					
Depth (inchemarks: YDROLOG Wetland H Primary Inc	hes):	ne require			11)	F	lydric Soil Pre	Seconda	ary Indicators	s (2 or mo	ore requ	
Depth (inchemarks: YDROLOG Wetland H Primary Inc	hes): SY Sydrology Indicators: dicators (minimum of o	ne require		all that apply) Salt Crust (B Biotic Crust (<u> </u>	lydric Soil Pre	Seconda Wa	ary Indicators	s (2 or mo 31) (River	ore requ	uired)
Primary Inc. Surfa High	hes): SY Iydrology Indicators: dicators (minimum of orace Water (A1)	ne require		Salt Crust (B	B12)		lydric Soil Pre	Seconda Wa	ary Indicators ater Marks (E	s (2 or mo 31) (River ssits (B2)	ore requ rine) (Riveri	uired)
YDROLOG Wetland H Primary Inc Surfa High Satur	hes): SY Iydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2)		_	Salt Crust (B Biotic Crust (B12) tebrates (B	13)	lydric Soil Pre	Seconda Wa Se Dri	ary Indicators ater Marks (E diment Depo	s (2 or mo 31) (River ssits (B2) B3) (Rive	ore requ rine) (Riveri erine)	uired)
YDROLOG Wetland H Primary Inc Surfa High Satur Wate	hes): Alydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3)	rine)		Salt Crust (B Biotic Crust (Aquatic Inver	B12) tebrates (B ² lfide Odor (13) C1)		Seconda Wa Se Dri	ary Indicators ater Marks (E diment Depo ft Deposits (s (2 or mo 31) (River ssits (B2) B3) (Rive rns (B10)	ore requ rine) (Riveri erine)	uired)
YDROLOG Wetland H Primary Ind Surfa High Satur Wate Sedir Drift I	hes): Iydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriverment Deposits (B2) (Nonriverment Deposits (B3) (Non	rine) onriverine		Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi. Presence of	B12) tebrates (B ² Ifide Odor (0 zospheres a Reduced Iro	I3) C1) Iong Livin n (C4)	g Roots (C3)	Seconda — Wa — Se — Dri — Dr. — Dr.	ary Indicators ater Marks (E diment Depo ft Deposits (ainage Patte y-Season Wa ayfish Burrov	s (2 or mo 31) (River ssits (B2) B3) (Rive rns (B10) ater Table vs (C8)	ore requirine) (Riverine)	uired)
YDROLOG Wetland H Primary Inc Surfa High Satur Wate Sedin Drift I	hes): Indicators: Indicators: Idicators (minimum of or	rine) onriverine erine)		Salt Crust (B Biotic Crust (Aquatic Invertigen Su Oxidized Rhit Presence of Recent Iron I	B12) tebrates (B ² Ifide Odor (6 zospheres a Reduced Iro Reduction in	I3) C1) Iong Livin n (C4)	g Roots (C3)	Seconda Wa Se Dri Dra Cra Sa	ary Indicators ater Marks (E diment Depo ft Deposits (ainage Patte y-Season Wa ayfish Burrov turation Visit	s (2 or mo 31) (River sits (B2) B3) (Rive rns (B10) ater Table vs (C8) ole on Aer	ore requirine) (Riverine)	uired)
Primary Inc Satur Wate Sedir Drift I Surfa Inund	hes): Iydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriverse (B2)) The ment Deposits (B2) (Nonriverse (B3)) The Soil Cracks (B6) Station Visible on Aerial	rine) onriverine erine)	X 	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron I Thin Muck Si	B12) tebrates (B' lfide Odor (G' zospheres a Reduced Iro Reduction in urface (C7)	I3) C1) long Livin n (C4) Tilled Soi	g Roots (C3)	Seconda Wa Se Dri Dri Cra Sa Sh	ary Indicators ater Marks (E diment Depo ft Deposits (ainage Patte y-Season Wa ayfish Burrov turation Visik allow Aquita	s (2 or mo 31) (River sits (B2) B3) (Rive rns (B10) ater Table vs (C8) ble on Aer rd (D3)	ore requirine) (Riverine)	uired)
YDROLOG Wetland H Primary Inc Surfa High Satur Wate Sedir Drift I Surfa	hes): Indicators: Indicators: Idicators (minimum of or	rine) onriverine erine)	X 	Salt Crust (B Biotic Crust (Aquatic Invertigen Su Oxidized Rhit Presence of Recent Iron I	B12) tebrates (B' lfide Odor (G' zospheres a Reduced Iro Reduction in urface (C7)	I3) C1) long Livin n (C4) Tilled Soi	g Roots (C3)	Seconda Wa Se Dri Dri Cra Sa Sh	ary Indicators ater Marks (E diment Depo ft Deposits (ainage Patte y-Season Wa ayfish Burrov turation Visit	s (2 or mo 31) (River sits (B2) B3) (Rive rns (B10) ater Table vs (C8) ble on Aer rd (D3)	ore requirine) (Riverine)	uired)
YDROLOG Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa Inund X Wate	hes): Indicators: Indicators: Idicators (minimum of or	rine) onriverine erine)	B7)	Salt Crust (B Biotic Crust (Aquatic Invertigation of the Crust (Presence of Recent Iron Form Muck State (Explain)	B12) tebrates (B' lfide Odor (G' zospheres a Reduced Iro Reduction in urface (C7) n in Remark	I3) C1) long Livin n (C4) Tilled Soi	g Roots (C3)	Seconda Wa Se Dri Dri Cra Sa Sh	ary Indicators ater Marks (E diment Depo ft Deposits (ainage Patte y-Season Wa ayfish Burrov turation Visik allow Aquita	s (2 or mo 31) (River sits (B2) B3) (Rive rns (B10) ater Table vs (C8) ble on Aer rd (D3)	ore requirine) (Riverine)	uired)
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YDROLOG Wetland H Primary Ind Satur Wate Sedir Drift I Surfa Inund X Wate Field Obse Surface W Water Tab	hes): Ilydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriverse (B2)) Indicators (B3) (Nonriverse (B4)) Indicators (B4) Indicators (B6) Indicators	rine) porriverine erine) Imagery (B7)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi Presence of Recent Iron I Thin Muck So Other (Explai	B12) tebrates (B' lfide Odor (Cospheres and Reduced Iron Reduction in urface (C7) n in Remark nes):	I3) C1) long Livin n (C4) Tilled Soi	g Roots (C3)	Seconda Wa Se Dri Dra Cra Sa Sh FA	ary Indicators ater Marks (E diment Depo ft Deposits (ainage Patte y-Season Wa ayfish Burrov turation Visit allow Aquita C-Neutral Te	s (2 or mo 31) (River ssits (B2) B3) (Rive rns (B10) ater Table vs (C8) ble on Aer rd (D3) est (D5)	ore requirine) (Riverine) e (C2) rial Ima	ne)
Surfa High Satur Wate Sedin Drift I Surfa Inund X Wate Field Obse Surface W Water Tab Saturation	hes): Ilydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriverment Deposits (B2) (Nonriverment Deposits (B3) (Nonriverment Soil Cracks (B6) dation Visible on Aerial or-Stained Leaves (B9) ervations: ater Present? Yes le Present? Yes Present? Yes	rine) porriverine erine) Imagery (B7)	Salt Crust (B Biotic Crust (Aquatic Invertigen Su Oxidized Rhit Presence of Recent Iron F Thin Muck St Other (Explain	B12) tebrates (B' lfide Odor (Cospheres and Reduced Iron Reduction in urface (C7) n in Remark nes):	I3) C1) long Livin n (C4) Tilled Soi	g Roots (C3)	Seconda Wa Se Dri Dra Cra Sa Sh FA	ary Indicators ater Marks (E diment Depo ft Deposits (ainage Patte y-Season Wa ayfish Burrov turation Visit allow Aquita C-Neutral Te	s (2 or mo 31) (River sits (B2) B3) (Rive rns (B10) ater Table vs (C8) ble on Aer rd (D3) est (D5)	ore requirine) (Riverine) e (C2) rial Ima	uired)
YDROLOG Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa Inund X Wate Field Obse Surface W Water Tab Saturation (includes c	hes): Ilydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriverment Deposits (B2) (Nonriverment Deposits (B3) (Nonriverment Soil Cracks (B6) dation Visible on Aerial or-Stained Leaves (B9) ervations: ater Present? Yes le Present? Yes rapillary fringe)	rine) pnriverine erine) Imagery (No X No X No X	Salt Crust (B Biotic Crust (Aquatic Invertigen Su Oxidized Rhi Presence of Recent Iron F Thin Muck Si Other (Explain Depth (inclain)	B12) tebrates (B* lfide Odor (Cospheres and Reduced Iron Reduction in urface (C7) n in Remark nes): nes):	I3) C1) long Livin n (C4) Tilled Soi	g Roots (C3) lls (C6) Wetland H	Seconda Wasses Dri Dri Cri Sa Sh FA	ary Indicators ater Marks (E diment Depo ft Deposits (ainage Patte y-Season Wa ayfish Burrov turation Visit allow Aquita C-Neutral Te	s (2 or mo 31) (River sits (B2) B3) (Rive rns (B10) ater Table vs (C8) ble on Aer rd (D3) est (D5)	ore requirine) (Riverine) e (C2) rial Ima	ne)
YDROLOG Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa Inund X Wate Field Obse Surface W Water Tab Saturation (includes c	hes): Ilydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriverment Deposits (B2) (Nonriverment Deposits (B3) (Nonriverment Soil Cracks (B6) dation Visible on Aerial or-Stained Leaves (B9) ervations: ater Present? Yes le Present? Yes Present? Yes	rine) pnriverine erine) Imagery (No X No X No X	Salt Crust (B Biotic Crust (Aquatic Invertigen Su Oxidized Rhi Presence of Recent Iron F Thin Muck Si Other (Explain Depth (inclain)	B12) tebrates (B* lfide Odor (Cospheres and Reduced Iron Reduction in urface (C7) n in Remark nes): nes):	I3) C1) long Livin n (C4) Tilled Soi	g Roots (C3) lls (C6) Wetland H	Seconda Wasses Dri Dri Cri Sa Sh FA	ary Indicators ater Marks (E diment Depo ft Deposits (ainage Patte y-Season Wa ayfish Burrov turation Visit allow Aquita C-Neutral Te	s (2 or mo 31) (River sits (B2) B3) (Rive rns (B10) ater Table vs (C8) ble on Aer rd (D3) est (D5)	ore requirine) (Riverine) e (C2) rial Ima	ne)
YDROLOG Wetland H Primary Ind Surfa High Satur Wate Sedin Drift I Surfa Inund X Wate Field Obse Surface W Water Tab Saturation (includes c	hes): Ilydrology Indicators: dicators (minimum of orace Water (A1) Water Table (A2) ration (A3) or Marks (B1) (Nonriverment Deposits (B2) (Nonriverment Deposits (B3) (Nonriverment Soil Cracks (B6) dation Visible on Aerial or-Stained Leaves (B9) ervations: ater Present? Yes le Present? Yes rapillary fringe)	rine) pnriverine erine) Imagery (No X No X No X	Salt Crust (B Biotic Crust (Aquatic Invertigen Su Oxidized Rhi Presence of Recent Iron F Thin Muck Si Other (Explain Depth (inclain)	B12) tebrates (B* lfide Odor (Cospheres and Reduced Iron Reduction in urface (C7) n in Remark nes): nes):	I3) C1) long Livin n (C4) Tilled Soi	g Roots (C3) lls (C6) Wetland H	Seconda Wasses Dri Dri Cri Sa Sh FA	ary Indicators ater Marks (E diment Depo ft Deposits (ainage Patte y-Season Wa ayfish Burrov turation Visit allow Aquita C-Neutral Te	s (2 or mo 31) (River sits (B2) B3) (Rive rns (B10) ater Table vs (C8) ble on Aer rd (D3) est (D5)	ore requirine) (Riverine) e (C2) rial Ima	ne)

Project/Site:	Premier Montaire				City/County:	Loomis/ PI	acer			Sampling I	Date:	08/23/22
Applicant/Owner:	Premier Homes								CA	Sampling I	Point: DF	·-8
Investigator(s):	Bonnie Peterson/M	adrone Ec	ological		Section	n, Township	, Range:	Section	21, Town	ship 11 North,	Range 7 E	ast
Landform (hillslop		Hillslope			Local re	lief (concav	e, convex	, none):	noneX		Slope (%	6): O
Subregion (LRR):	Mediterranean Cali	fornia (LRF	R C)	Lat:	_			Long:			Datu	um: NAD 83
Soil Map Unit Nar				se sandy loa	am			NWI Clas	ssification	•	_	
Are climatic / hydr	ologic conditions on	the site ty	pical for	r this time of	year?	Yes	X*	No		(If no, explain	ı in Remai	rks.)
	, Soil				-	disturbed?		-		ces" present?		•
Are Vegetation	, Soil									nswers in Rem		
	F FINDINGS - A						,				,	;.
Hydrophytic Vege	tation Present?	Yes	ΧN	0								
Hydric Soil Presei			X N			ampled Are	а	Yes	Х	No		
Wetland Hydrolog			Х N		within a	a Wetland?		-				
	County is in a Sever				ecent rain ve	are						
VEGETATION	- Use scientifi	c names	of pla	ants.								
				Absolute	Dominant	Indicator	Domina	nca Tas	t workshe	oot:		
T 01 1	(DL 1 :-		,	% Cover	Species?	Status			nant Spec			
· · · · · · · · · · · · · · · · · · ·	(Plot size:		_)						ACW, or F		•	(4)
1									•		3	(A)
2									Dominant		_	(D)
3							Species	ACIOSS F	All Strata:		3	(B)
4									nant Speci			
				0	=Total Cove	r	inat Are	OBL, FA	ACW, or F	-AC:	100%	(A/B)
0 11 (01 1	O (D :		,									
	Stratum (Plot size: _		_)						x Worksh		10. 1 1	
1								al % Cov			ıltiply by:	
2							OBL spe	-	10	x1 =	10	
3							FACW s	· _	60	_x2 =	120	
4							FAC spe	-	0	x3 =	0	
5							FACU s	-	0	x4 =	0	
		2 .		0	=Total Cove	r	UPL spe	-	0	x5 =	0	
Herb Stratum	,	<u>ter²</u>)				E 4 O 1 4 /	Column	-	70	_(A)	130	(B)
1. Euthamia oc				20	<u>Y</u>	FACW	Preva	lence Inc	lex = B/A	=1	.9	
2. Mentha pule	•			<u>10</u> 20	N	OBL						
3. Gnaphalium	•			20	<u>Y</u> Y	FACW		•	_	ndicators:		
4. Juncus baltio	cus				<u> </u>	FACW	<u>X</u>		ince Test i			
5							<u>X</u>		nce Index			
										aptations ¹ (Pro		orting
										or on a separat		1.1.1
8				70				Problen	natic Hydr	ophytic Vegeta	tion (Expi	ain)
4	ratum (Plot size:			70	=Total Cove	r				d wetland hydroed or problemat		t
2.							Hydropl					
·					=Total Cove		Vegetat					
% Bare Ground	d in Herb Stratum			% Cover of I		30	Present			Yes X	No	
Remarks:												
. ionano.												

inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Re	emarks	
)-12	10 yr 3/1	100					Sandy loam	1			
Гуре: С=С	oncentration, D=Depletio	n, RM=Redu	ced Matrix, CS=0	Covered or	Coated Sar	nd Grains.	² Location: P	L=Pore Lining,	M=Matrix.		
lydric So	I Indicators: (Applica	able to all L	.RRs, unless of	herwise	noted.)		Indicators	for Problema	ntic Hydric S	Soils ³ :	
	sol (A1)			Redox (S	-			Muck (A9) (LF			
	Epipedon (A2)			d Matrix (-			Muck (A10) (L	•		
	Histic (A3)			•	ineral (F1)			ced Vertic (F1	-		
	ogen Sulfide (A4)	C \		-	latrix (F2)			Parent Materia	` '		
	fied Layers (A5) (LRR (()		ed Matrix (. ,		Other	(Explain in R	emarks)		
	Muck (A9) (LRR D) eted Below Dark Surfac	o (A11)		Dark Surf	ace (F6) urface (F7)						
	Dark Surface (A12)	e (ATT)		Depression			3.				
	y Mucky Mineral (S1)			Pools (F9	, ,		٦	ndicators of h wetland hydi		•	
	y Gleyed Matrix (S4)				,				urbed or prol		ι,
octrictiv	. I /!£										
esu ictiv	Layer (if present):										
	e Layer (if present):										
ype: epth (incl						Ну	dric Soil Pre	sent?	Yes_	x	No
ype: epth (incl			_			Ну	dric Soil Pre	sent?	Yes_	x	No
ype: Depth (incl	nes):Y					Hy	dric Soil Pre	sent?	Yes_	<u>x</u>	No
Depth (included) Depth (included)	nes): Y ydrology Indicators:	ne required:	check all that a	(Vlagi		Ну					
ype: Depth (incl marks: DROLOG Vetland H	Y ydrology Indicators:	ne required				Ну		Secondary Inc	dicators (2 on	r more rec	
DROLOG Vetland Herimary Industria	Y ydrology Indicators: dicators (minimum of orce Water (A1)	ne required:	Salt Cr	ust (B11)	2)	Hy		Secondary Inc	dicators (2 or arks (B1) (R	more rec	quired)
DROLOG Vetland H Surfa High	Y ydrology Indicators:	ne required;	X Biotic C	ust (B11) Crust (B12	2) rates (B13)			Secondary Inc Water M	dicators (2 on	r more rec iverine) B2) (Rive	quired)
DROLOG Vetland H rimary Ind Surfa High Satur	Y ydrology Indicators: dicators (minimum of or one Water (A1) Water Table (A2)	·	X Biotic C	ust (B11) Crust (B12 Invertebr	-			Secondary Inc Water M Sedimer Drift Dep	dicators (2 or arks (B1) (R at Deposits (B	more rediverine) B2) (Rive	quired)
pype:epth (included) parks: DROLOG /etland H rimary Included Surfa High Satur Wate	Y ydrology Indicators: dicators (minimum of or	rine)	X Biotic C Aquatic	ust (B11) Crust (B12 Invertebren Sulfide	rates (B13)			Secondary Ind Water M Sedimer Drift Der	dicators (2 or larks (B1) (R nt Deposits (B posits (B3) (F	more reciverine) B2) (RiveRiverine)	quired)
DROLOG Vetland H Grimary Ind Surfa High Satur Wate Sedir	y ydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver	rine) nriverine)	X Biotic (Aquatic Hydrog Oxidize	ust (B11) Crust (B12 Invertebren Sulfide d Rhizosp	rates (B13) e Odor (C1)) ng Living		Secondary Ind Water M Sedimer Drift Dep Drainago Dry-Sea Crayfish	dicators (2 or larks (B1) (R at Deposits (B posits (B3) (F e Patterns (B son Water Ta Burrows (C8	more red iverine) B2) (Rive Riverine) B10) able (C2)	quired)
DROLOG DROLOG Vetland H Primary Inc Surfa High Satur Wate Sedir Drift I Surfa	y ydrology 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)	rine) nriverine) rine)	X Biotic C Aquatic Hydrog Oxidize Presen Recent	ust (B11) Crust (B12) Invertebren Sulfider d Rhizospice of Red	rates (B13) e Odor (C1) pheres alor luced Iron (uction in Til	ng Living (C4)	Roots (C3)	Secondary Inc Water M Sedimer Drift Dep Drainago Dry-Sea Crayfish Saturatio	dicators (2 or larks (B1) (R at Deposits (B posits (B3) (F e Patterns (B son Water Ta Burrows (C8 on Visible on	more receiverine) B2) (Rive Riverine) B10) B10) B10 (C2) B1) Aerial Im	quired)
DROLOG Jetland H rimary Ind Satur Wate Sedir Drift I Surfa	y ydrology 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) ation Visible on Aerial	rine) nriverine) rine)	X Biotic C Aquatic Hydrog Oxidize Presen Recent Thin Mo	ust (B11) Crust (B12) Invertebren Sulfider A Rhizospore of Red Iron Reduck Surface	rates (B13) e Odor (C1) pheres alor luced Iron (uction in Til ce (C7)	ng Living (C4)	Roots (C3)	Secondary Ind Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatio	dicators (2 or arks (B1) (R at Deposits (B posits (B3) (F e Patterns (B son Water Ta Burrows (C8 on Visible on Aquitard (D3	r more rec iverine) B2) (Rive Riverine) B10) able (C2) B) Aerial Im	quired)
DROLOG Vetland H rimary Ind Satur Wate Sedir Drift I Surfa	y ydrology 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)	rine) nriverine) rine)	X Biotic C Aquatic Hydrog Oxidize Presen Recent Thin Mo	ust (B11) Crust (B12) Invertebren Sulfider A Rhizospore of Red Iron Reduck Surface	rates (B13) e Odor (C1) pheres alor luced Iron (uction in Til	ng Living (C4)	Roots (C3)	Secondary Ind Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatio	dicators (2 or larks (B1) (R at Deposits (B posits (B3) (F e Patterns (B son Water Ta Burrows (C8 on Visible on	r more rec iverine) B2) (Rive Riverine) B10) able (C2) B) Aerial Im	quired)
DROLOG Wetland H Grimary Inc Surfa High Satur Wate Sedir Drift I Surfa X Inunc	y ydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9)	rine) nriverine) rine) Imagery (B	Salt Cri X Biotic C Aquatic Hydrog Oxidize Presen Recent Thin Mo Other (ust (B11) Crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Reduck Surface	rates (B13) e Odor (C1) pheres alor luced Iron (uction in Til ce (C7) Remarks)	ng Living (C4)	Roots (C3)	Secondary Ind Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatio	dicators (2 or arks (B1) (R at Deposits (B posits (B3) (F e Patterns (B son Water Ta Burrows (C8 on Visible on Aquitard (D3	r more rec iverine) B2) (Rive Riverine) B10) able (C2) B) Aerial Im	quired)
Depth (inclemants: DROLOG Vetland H Primary Inc Surfa High Satur Wate Sedir Drift I Surfa X Inunc Wate Surfae Wate	y ydrology Indicators: dicators (minimum of orce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriverent Deposits (B2) (Nonriverent Deposits (B3) (Nonriverent Oracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes	rine) nriverine) rrine) Imagery (B	Salt Cri X Biotic C Aquatic Hydrog Oxidize Presen Recent Thin Mi Other (ust (B11) Crust (B12) Invertebren Sulfider d Rhizospace of Red Iron Reduck Surface Explain in	rates (B13) e Odor (C1) pheres alor luced Iron (uction in Til ce (C7) Remarks)	ng Living (C4)	Roots (C3)	Secondary Ind Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatio	dicators (2 or arks (B1) (R at Deposits (B posits (B3) (F e Patterns (B son Water Ta Burrows (C8 on Visible on Aquitard (D3	r more rec iverine) B2) (Rive Riverine) B10) able (C2) B) Aerial Im	quired)
DROLOG Wetland H Primary Inc Satur Wate Sedir Drift I Surfa X Inunc Wate Surface W Vater Tab	y ydrology Indicators: dicators (minimum of orce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (Nonriver ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes	rine) nriverine) erine) Imagery (B	Salt Cri X	ust (B11) Crust (B12) Invertebren Sulfider Ind Rhizospice of Red Iron Reduck Surface Explain in In (inches)	rates (B13) e Odor (C1) pheres alor luced Iron (uction in Til ce (C7) I Remarks) :	ng Living (C4)	Roots (C3)	Secondary Ind Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatio Shallow FAC-Ne	dicators (2 or larks (B1) (R at Deposits (B posits (B3) (F e Patterns (B son Water Ta Burrows (C8 on Visible on Aquitard (D3 utral Test (D8	more reciverine) B2) (Rive Riverine) B10) B10) B10) Aerial Im B)	quired) rine) agery (C9
DROLOG Wetland H Primary Inc Satur Wate Sedir Surfa X Inunc Wate Surface W Vater Tab Saturation	y ydrology Indicators: dicators (minimum of or ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonrive ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes Present? Yes	rine) nriverine) erine) Imagery (B	Salt Cri X	ust (B11) Crust (B12) Invertebren Sulfider d Rhizospace of Red Iron Reduck Surface Explain in	rates (B13) e Odor (C1) pheres alor luced Iron (uction in Til ce (C7) I Remarks) :	ng Living (C4)	Roots (C3)	Secondary Ind Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatio	dicators (2 or larks (B1) (R at Deposits (B posits (B3) (F e Patterns (B son Water Ta Burrows (C8 on Visible on Aquitard (D3 utral Test (D8	r more rec iverine) B2) (Rive Riverine) B10) able (C2) B) Aerial Im	quired) rine) agery (C9
DROLOG Wetland H Primary Inc Satur Wate Sedir Drift I Surfa X Inunc Wate ield Observators	y ydrology Indicators: dicators (minimum of orce Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonriver ment Deposits (B2) (Nonriver ce Soil Cracks (B6) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes	rine) nriverine) erine) Imagery (B	Salt Cri X Biotic C Aquatic Hydrog Oxidize Presen Recent Thin Mi Other (ust (B11) Crust (B12) Invertebren Sulfide Ind Rhizospece of Red Iron Reduck Surface Explain in In (inches) In (inches)	rates (B13) e Odor (C1) pheres alor luced Iron (uction in Til ce (C7) Remarks)	ng Living C4) lled Soils	Roots (C3)	Secondary Ind Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow FAC-Ne	dicators (2 or larks (B1) (R at Deposits (B posits (B3) (F e Patterns (B son Water Ta Burrows (C8 on Visible on Aquitard (D3 utral Test (D8	more reciverine) B2) (Rive Riverine) B10) B10) B10) Aerial Im B)	quired) rine) agery (C9
DROLOG Wetland H Primary Inc Satur Wate Sedir Drift I Surfa X Inunc Wate ield Observators	y ydrology 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) ation Visible on Aerial r-Stained Leaves (B9) ervations: ater Present? Yes e Present? Yes present? Yes apillary fringe)	rine) nriverine) erine) Imagery (Bi	Salt Cri X Biotic C Aquatic Hydrog Oxidize Presen Recent Thin Mi Other (ust (B11) Crust (B12) Invertebren Sulfide Ind Rhizospece of Red Iron Reduck Surface Explain in In (inches) In (inches)	rates (B13) e Odor (C1) pheres alor luced Iron (uction in Til ce (C7) Remarks)	ng Living C4) lled Soils	Roots (C3)	Secondary Ind Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow FAC-Ne	dicators (2 or larks (B1) (R at Deposits (B posits (B3) (F e Patterns (B son Water Ta Burrows (C8 on Visible on Aquitard (D3 utral Test (D8	more reciverine) B2) (Rive Riverine) B10) B10) B10) Aerial Im B)	quired) rine) agery (C9

Project/Site:	Premier Montaire				City/County:	Loomis/ Pla	acer		Sa	ampling Da	ate:	08/2	23/22
Applicant/Owner:	Premier Homes							CA	Sa	mpling Po	oint: <u>D</u> F	>_9	
Investigator(s):	Bonnie Peterson/M	Madrone E	cological		Section	n, Township,	Range: Sec	tion 21, Towns	ship 11	North, R	ange 7 E	East	
Landform (hillslop	e, terrace, etc.):	Hillslop	е		_ Local re	elief (concave	e, convex, non	e): Concave			Slope (%):	0
Subregion (LRR):	Mediterranean Ca	lifornia (LF	RR C)	_ Lat:			Loi	ng:			Dat	um: <u>NAD 8</u>	33
Soil Map Unit Nar	me: <u>(106)</u> Andr	egg coars	e sandy lo	oam			NWI	Classification:					
Are climatic / hydr	rologic conditions o	n the site t	ypical for	this time of	year?	Yes_	X*	No	_(If no	, explain i	in Rema	rks.)	
Are Vegetation	, Soil	, or Hy	drology		significantly	disturbed?	Are "Norma	al Circumstand	es" pro	esent?	Yes	X No _	
Are Vegetation	, Soil	, or Hy	drology		naturally pro	oblematic?	(If needed,	explain any ar	iswers	in Remar	rks.)		
SUMMARY OF	F FINDINGS –	Attach s	ite map	showing	ı sampling	point loc	cations, trai	nsects, imp	ortan	nt featu	res, etc	c.	
Hydrophytic Vege	tation Present?	Yes	No	X	L. d. O								
Hydric Soil Presei	nt?	Yes	X No	0		ampled Area a Wetland?	a Yo	es	No	X			
Wetland Hydrolog	y Present?	Yes	X No	0	· · · · · · · · · · · · · · · · · · ·	a Woulding.							
WEGETATION	- Use scientif	ic name	s of nla	ints									
VEGETATION	- USE SCIENTIN	ic manne	5 OI PIA		D :	1. 1	Dominonos	Test workshe	-4.				
T 0, ,	(D) ()		,	Absolute % Cover	Dominant Species?	Indicator Status		ominant Speci					
	(Plot size:)					, FACW, or F				(4)	
1								of Dominant	-		1	(A)	
3				-			Species Acro				2	(B)	
Δ				-			•	ominant Specie	_			(D)	
				0	=Total Cove			., FACW, or F		5	50%	(A/B)	
C li / Ch h	Ctt (DI-t-:		,			-	Danielanas		4-				
Sapling/Snrub :	Stratum (Plot size:)					ndex Worksh Cover of:	eet:	Mult	tiply by:		
2.				-			OBL species		 x1 =	IVIUIL	0		
3.							FACW species		 x2 =		10		
4.				-			FAC species		 x3 =		120		
5.							FACU specie		x4 =		120		
•				0	=Total Cove		UPL species		x5 =		75		
Herb Stratum	(Plot size: <u>1 me</u>	eter ²)					Column Total	s: 90	(A)		325	(B)	
1. Dittrichia gra	veolens			10	N	UPL	Prevalence	Index = B/A =	=	3.6	,		
2. Euphorbia m	naculata			10	N	UPL							
3. Paspalum di				40	Y	FAC	Hydrophytic	Vegetation Ir	ıdicato	ors:			
4. Cynodon da				30	Y	FACU		ninance Test is					
5. Euthamia oc	cidentalis			5	N	FACW		valence Index					
								phological Ada				orting	
								in Remarks o		•	. '		
8							Prol	olematic Hydro	phytic	Vegetation	on' (Exp	lain)	
	ratum (Plot size: _			95	=Total Cove	r		hydric soil and				st	
2.							Hydrophytic						
% Baro Groups	d in Harb Stratum				=Total Cove	r 5	Vegetation		Voc		No	Y	
	d in Herb Stratum			/o Cover of	Biotic Crust	<u>ິ</u>	Present?		Yes		No	<u> </u>	
Remarks:													

	scription: (Describe	to the depth				or or c	onfirm the ab	sence of indicat	ors.)	
Depth	Matrix			dox Feat		. 1	_			
(inches)	Color (moist)		color (moist)	%	Type ¹	Loc ²	_		Remarks	
0-12	10 yr 3/1	100			· —— ·		Sandy Ioa	<u> </u>		
							_			
-										
							_			
							_			
1 _{Type: C=C}	Concentration, D=Depletion	DM-Poduo	ad Matrix, CS=C	avered or	Coatod San	d Grain	² Location:	PL=Pore Lining, M=	-Matrix	
туре. С-С	oncentration, D-Depletic	iii, Kivi–Keduce	ed Matrix, C3-Ct	overed of	Coaled San	iu Graii	is. Location.	FL-Fore Liming, IM-	-iviatrix.	
Hydric Soi	il Indicators: (Applica	able to all LR	Rs, unless oth	nerwise	noted.)		Indicators	for Problemation	: Hydric Soils³:	
Histo	sol (A1)		Sandy R	edox (S	5)		1 cm	Muck (A9) (LRR	C)	
Histic	Epipedon (A2)		Stripped	Matrix (S6)		2 cm	Muck (A10) (LRI	R B)	
Black	Histic (A3)		Loamy N	/lucky M	ineral (F1)		Redu	iced Vertic (F18)		
Hydro	ogen Sulfide (A4)		Loamy C	Sleyed M	1atrix (F2)		Red	Parent Material (⁻	ΓF2)	
Strati	fied Layers (A5) (LRR	C)	Depleted	d Matrix	(F3)		Othe	r (Explain in Rem	arks)	
1 cm	Muck (A9) (LRR D)		Redox D	ark Surf	face (F6)					
Deple	eted Below Dark Surfac	e (A11)	X Depleted	d Dark S	urface (F7)					
Thick	Dark Surface (A12)		Redox D	epression	ons (F8)		3	Indicators of hvd	rophytic vegetatior	n and
Sand	y Mucky Mineral (S1)		Vernal F	ools (F9	9)			•	ogy must be prese	
Sand	y Gleyed Matrix (S4)							unless disturb	oed or problematic	
Restrictive	e Layer (if present):									
Type:			_							
Depth (inch	hes):					H	lydric Soil Pro	esent?	Yes X	No
HYDROLOG										
	lydrology Indicators:									
	dicators (minimum of o	ne required; o							ators (2 or more re	
	ce Water (A1)		Salt Cru	, ,					ks (B1) (Riverine)	
	Water Table (A2)		X Biotic Cr	-	•				Deposits (B2) (Rive	· ·
	ration (A3)				rates (B13)				sits (B3) (Riverine)
	r Marks (B1) (Nonrive	· ·			e Odor (C1)				atterns (B10)	
	ment Deposits (B2) (No	· ·				_	g Roots (C3)		n Water Table (C2)
	Deposits (B3) (Nonrive	erine)			luced Iron (urrows (C8)	
	ce Soil Cracks (B6)				uction in Til	led So	ils (C6)		Visible on Aerial Ir	nagery (C9)
	lation Visible on Aerial	Imagery (B7)	Thin Mu						uitard (D3)	
Wate	r-Stained Leaves (B9)		Other (E	xplain in	Remarks)			FAC-Neutr	al Test (D5)	
Field Obse										
	ater Present? Yes			(inches)						
	le Present? Yes			(inches)			West and the		V V	Ma
Saturation		No	X Depth	(inches)):		vvetiand H	ydrology Presen	it? Yes X	No
	apillary fringe) corded Data (stream ga	auge, monitor	ing well. aerial	photos.	previous ins	spectio	I ns), if available	 e:		
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				-		
Remarks:										

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site:	Premier Montaire			City/County:	Loomis/ Pl	acer		S	ampling D	ate: _		10/07/22
Applicant/Owner:	Premier Homes						CA	S	ampling P	oint: D	P-10	
Investigator(s):	Bonnie Peterson/M	adrone Ecologica	l	Section	n, Township	, Range: Se	ection 21, To	ownship 1	1 North, R	tange 7	East	
Landform (hillslop	oe, terrace, etc.):	Hillslope		_ Local re	lief (concav	e, convex, no	one): <u>Conca</u>	ive		Slope ((%):	0
Subregion (LRR):	Mediterranean Cali	fornia (LRR C)	Lat:			L	.ong:			Da	tum: NA	4D 83
Soil Map Unit Nar	me: <u>(106)</u> Andre	gg coarse sandy	loam			NW	/I Classificat	tion:				
Are climatic / hyd	rologic conditions on	the site typical for	r this time of	year?	Yes_	X*	No	(If n	o, explain	in Rema	arks.)	
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "Norr	mal Circums	stances" p	resent?	Yes _	X No	ວ
Are Vegetation	, Soil	_, or Hydrology		naturally pro	oblematic?	(If needed	d, explain an	ny answer	s in Rema	rks.)		
SUMMARY O	F FINDINGS - A	ttach site mar	showing	sampling	point lo	cations, tra	ansects, i	importa	nt featu	res, el	t c .	
Hydrophytic Vege	etation Present?	Yes N	lo X									
Hydric Soil Prese		Yes N	lo X		ampled Are a Wetland?		Yes	No	X			
Wetland Hydrolog	gy Present?	Yes X N	lo	WILIIII	a wellanu :							
Wetland indicator	County is in a Sever is limited to water sta	ined leaves. No c	clear drainag									
VEGETATION	- Use scientific	c names of pia	ants.			T						
			Absolute	Dominant	Indicator	Dominance	e Test work	sheet:				
Tree Stratum	(Plot size:1 met	er2)	% Cover	Species?	Status	Number of I						
1. Quercus wis	lizeni		100	Υ	UPL	That Are Of	BL, FACW,	or FAC:		0	(A	.)
2						Total Numb						
3						Species Acı	ross All Stra	ata:		1	(B)
4						Percent of D						
			100	=Total Cove	r	That Are Of	BL, FACW,	or FAC:		0%	(A	/B)
	Stratum (Plot size: _)				Prevalence						
1						-	% Cover of:			tiply by:		
2						OBL specie	-			0		
3						FACW species	_			0		
4						FAC specie FACU speci				0		
5			0	=Total Cove		UPL specie				0 500		
Herh Stratum	(Plot size: 1 met	er ²		- Total Covel	_	Column Tot				500 500	(B	:\
1. None	(1 lot 3ize: <u>1 lilet</u>	<u>) </u>					ce Index = E		5.0		(D	,
2.			-			Trovalorio	oo maax E					
3.			-			Hydrophyti	ic Vegetatio	on Indica	tors:			
4.		_					ominance Te					
5.						Pr	evalence In	dexis ≤3	.0 ¹			
6.						Mo	orphological	l Adaptati	ons¹ (Prov	ide sup	portina	
7.							ata in Remar					
8.						Pr	oblematic H	lydrophyti	c Vegetati	on¹ (Ex	plain)	
			0	=Total Cove	r							
1	ratum (Plot size:	,				¹ Indicators of be present,					ıst	
2						Hydrophyti	ic					
				=Total Cove	r	Vegetation	ı					
% Bare Ground	d in Herb Stratum		% Cover of I	Biotic Crust		Present?		Yes	i	No_	X	
Remarks:												

SOIL Sampling Point: DP-10

Depth	Matrix		P.	dox Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0-8	10 yr 3/2	100	Color (Inoist)		Туре	LUC	Sandy loam		Remarks
	10 yr 0/2	100	_				Carray loans	_	
					· —— ·			_	
					· —— ·				
					· —— ·			_	
					· —— ·			_	
					· —— ·			_	
					· —— ·				
Type: C=Co	ncentration, D=Depleti	on, RM=Red	duced Matrix, CS=C	overed or	Coated San	d Grains.	² Location: PL=I	Pore Lining, M=Matri	x.
Hydric Soil	Indicators: (Applic	able to all	I RRs unless of	horwisa	noted)		Indicators for	r Problematic Hyd	ric Soils ³ :
Histoso		able to all		Redox (S	-			ick (A9) (LRR C)	iic dolla .
	Epipedon (A2)			d Matrix (-			ick (A10) (LRR B)	
	Histic (A3)			-	ineral (F1)			d Vertic (F18)	
	gen Sulfide (A4)			-	latrix (F2)			ent Material (TF2)	
	ed Layers (A5) (LRR	(C)		ed Matrix (xplain in Remarks)	
	fuck (A9) (LRR D)	-,		Dark Surf			31161 (E		
	ed Below Dark Surfa	ce (A11)			urface (F7)				
	Dark Surface (A12)	00 (7111)		Depressio			3		
	Mucky Mineral (S1)			Pools (F9	, ,			icators of hydrophy etland hydrology m	-
	Gleyed Matrix (S4)			00.0 (1 0	·)			unless disturbed o	
	Layer (if present):								
	Layer (ii present).								
Γ a									
Depth (inche	es): k oak roots at 8"		_			Ну	dric Soil Presei	nt? Yo	es No <u></u>
Depth (inche						Ну	dric Soil Presei	nt? Yo	es No <u> </u>
Depth (inche	k oak roots at 8"					Ну	dric Soil Presei	nt? Yo	es No
Depth (incher emarks:Thick DROLOGY Wetland Hy	k oak roots at 8"					Ну			
Depth (incher marks:Thick DROLOGY Wetland Hy Primary India	drology Indicators:					Ну		condary Indicators	(2 or more required)
Depth (inchest marks:Thick DROLOGY Wetland Hy Primary India Surface	drology Indicators: cators (minimum of c		Salt Cru	ust (B11)		Ну		condary Indicators Water Marks (B	(2 or more required) 1) (Riverine)
Depth (inchestance) Depth (in	drology Indicators: cators (minimum of of the Water (A1) //ater Table (A2)		Salt Cru Biotic C	ust (B11) Crust (B12	2)	Ну		condary Indicators Water Marks (B Sediment Depos	(2 or more required) 1) (Riverine) sits (B2) (Riverine)
*Depth (inchest) **TOROLOGY **Netland Hy **Primary India **Surface **High W Satura	drology Indicators: cators (minimum of ce Water (A1) /ater Table (A2) tion (A3)	one require	Salt Cru Biotic C Aquatic	ust (B11) Crust (B12 Invertebr	2) rates (B13)	Ну		condary Indicators Water Marks (B Sediment Depos Drift Deposits (B	(2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine)
**Depth (inchest) **Primary India **Surface High W Satura **Water	drology Indicators: cators (minimum of ce Water (A1) //ater Table (A2) tion (A3) Marks (B1) (Nonrive	one require	Salt Cru Biotic C Aquatic Hydrog	ust (B11) Crust (B12 Invertebren Sulfide	2) rates (B13) e Odor (C1)		<u>Se</u>	condary Indicators Water Marks (B Sediment Depos Drift Deposits (B Drainage Patterr	(2 or more required) 1) (Riverine) sits (B2) (Riverine) 13) (Riverine) ns (B10)
Depth (inchest property) DROLOGY Wetland Hy Primary India Surface High W Satura Water Sedime	drology Indicators: cators (minimum of of the Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N	one required erine) onriverine)	Salt Cru Biotic C Aquatic Hydrog Oxidize	ust (B11) Crust (B12 Invertebren Sulfide d Rhizosp	2) rates (B13) e Odor (C1) pheres alon	g Living	<u>Se</u>	condary Indicators Water Marks (Boundary Sediment Deposed Drift Deposits (Boundary Drainage Pattern Dry-Season Water	(2 or more required) 1) (Riverine) sits (B2) (Riverine) 3) (Riverine) ns (B10) ter Table (C2)
OPPTH (inchest property) OPPTH (inchest pro	drology Indicators: cators (minimum of of the Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive the Paposits (B2) (Nonrive the Paposits (B3) (Nonriv	one required erine) onriverine)	Salt Cru Biotic C Aquatic Hydrog Oxidize Presen	ust (B11) Crust (B12 Invertebren Sulfide d Rhizospoe of Red	2) rates (B13) e Odor (C1) pheres alon luced Iron (g Living C4)	Ser ————————————————————————————————————	condary Indicators Water Marks (Boundary Sediment Deposed Drift Deposits (Boundary Season Water Dry-Season Water Crayfish Burrows	(2 or more required) 1) (Riverine) sits (B2) (Riverine) 13) (Riverine) ns (B10) ter Table (C2) s (C8)
CDROLOGY Wetland Hy Primary India Surface High W Satura Water Sedime Drift De	drology Indicators: cators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (Nonrive e Soil Cracks (B6)	erine) onriverine) erine)	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent	ust (B11) Crust (B12) Invertebren Sulfided Rhizospice of Red Iron Red	2) rates (B13) e Odor (C1) pheres alon luced Iron (uction in Til	g Living C4)	Ser ————————————————————————————————————	condary Indicators Water Marks (B' Sediment Depos Drift Deposits (B Drainage Patterr Dry-Season Wat Crayfish Burrows	(2 or more required) 1) (Riverine) sits (B2) (Riverine) 13) (Riverine) ns (B10) ter Table (C2) s (C8) e on Aerial Imagery (CS
Depth (inchest marks:Thick mar	drology Indicators: cators (minimum of ce Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aeria	erine) conriverine) erine) limagery (E	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu	ust (B11) Crust (B12) Invertebren Sulfider d Rhizospice of Redrich Redrich Ruck Surface	2) rates (B13) e Odor (C1) pheres alon luced Iron (uction in Til ce (C7)	g Living C4)	Ser ————————————————————————————————————	condary Indicators Water Marks (Boundary Deposed Drift Deposits (Boundary Dry-Season Water	(2 or more required) 1) (Riverine) sits (B2) (Riverine) s3) (Riverine) ns (B10) ter Table (C2) s (C8) e on Aerial Imagery (CS
Pepth (inchest per	drology Indicators: cators (minimum of ce Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (Norrive esoil Cracks (B6) tion Visible on Aeria Stained Leaves (B9)	erine) conriverine) erine) limagery (E	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu	ust (B11) Crust (B12) Invertebren Sulfider d Rhizospice of Redrich Redrich Ruck Surface	2) rates (B13) e Odor (C1) pheres alon luced Iron (uction in Til	g Living C4)	Ser ————————————————————————————————————	condary Indicators Water Marks (B' Sediment Depos Drift Deposits (B Drainage Patterr Dry-Season Wat Crayfish Burrows	(2 or more required) 1) (Riverine) sits (B2) (Riverine) s3) (Riverine) ns (B10) ter Table (C2) s (C8) e on Aerial Imagery (CS
CDROLOGY Wetland Hy Primary India Surface High W Satura Water Sedime Drift De Surface Inunda X Water-	drology Indicators: cators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (Nonrive e Soil Cracks (B6) tion Visible on Aerial Stained Leaves (B9) vations:	erine) onriverine) erine)	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu Other (I	ust (B11) Crust (B12) Invertebren Sulfide d Rhizosp ce of Red Iron Red uck Surface	rates (B13) e Odor (C1) pheres alon luced Iron (uction in Til ce (C7) n Remarks)	g Living C4)	Ser ————————————————————————————————————	condary Indicators Water Marks (Boundary Deposed Drift Deposits (Boundary Dry-Season Water	(2 or more required) 1) (Riverine) sits (B2) (Riverine) s3) (Riverine) ns (B10) ter Table (C2) s (C8) e on Aerial Imagery (CS
YDROLOGY Wetland Hy Primary Indi Surface High W Satura Water Sedime Drift De Surface Inunda X Water- Field Obser	drology Indicators: cators (minimum of of the Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive the Barrier (B3) (Nonrive the Soil Cracks (B6) tion Visible on Aerial Stained Leaves (B9) tvations: ter Present? Ye	erine) confiverine) erine) Imagery (E	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Thin Mu Other (I	ust (B11) Crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Reduck Surface Explain in	rates (B13) c Odor (C1) pheres alon luced Iron (uction in Til ce (C7) n Remarks)	g Living C4)	Ser ————————————————————————————————————	condary Indicators Water Marks (Boundary Deposed Drift Deposits (Boundary Dry-Season Water	(2 or more required) 1) (Riverine) sits (B2) (Riverine) s3) (Riverine) ns (B10) ter Table (C2) s (C8) e on Aerial Imagery (CS
YDROLOGY Wetland Hy Primary Indi Surface High W Satura Water Sedime Drift De Surface Inunda X Water- Field Obser Surface Wat Water Table	drology Indicators: cators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial Stained Leaves (B9) vations: ter Present? Ye	erine) conriverine) erine) I Imagery (E	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Recent Other (I	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Redruck Surface Explain in (inches)	rates (B13) c Odor (C1) pheres alon luced Iron (uction in Til ce (C7) n Remarks)	g Living C4)	Roots (C3)	condary Indicators Water Marks (Book Sediment Deposition of Deposition of Control of Co	(2 or more required) (1) (Riverine) (3) (Riverine) (3) (Riverine) (3) (Riverine) (4) (B10) (5) (C2) (6) (C8) (7) (C8) (8) (C8) (9) (C9) (9
YDROLOGY Wetland Hy Primary Indi Surface High W Satura' Water Sedime Drift De Surface Inunda X Water- Field Obser Surface Water	drology Indicators: cators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aeria Stained Leaves (B9) rvations: ter Present? Ye Present? Ye resent? Ye	erine) conriverine) erine) I Imagery (E	Salt Cru Biotic C Aquatic Hydrog Oxidize Present Recent Recent Other (I	ust (B11) Crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Reduck Surface Explain in	rates (B13) c Odor (C1) pheres alon luced Iron (uction in Til ce (C7) n Remarks)	g Living C4)	Roots (C3)	condary Indicators Water Marks (Boundary Deposed Drift Deposits (Boundary Dry-Season Water	(2 or more required) 1) (Riverine) sits (B2) (Riverine) s3) (Riverine) ns (B10) ter Table (C2) s (C8) e on Aerial Imagery (CS
YDROLOGY Wetland Hy Primary India Surface High W Satura Water Sedime Drift De Surface Inunda X Water- Field Obser Surface Water Water Table Saturation P (includes ca	drology Indicators: cators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial Stained Leaves (B9) vations: ter Present? Ye Present? Ye pillary fringe)	erine) conriverine) erine) I Imagery (E	Salt Cri Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Reduck Surface Explain in (inches) in (inches)	e Odor (C1) pheres alon luced Iron (i uction in Til ce (C7) i Remarks)	g Living C4) led Soils	Roots (C3)	condary Indicators Water Marks (Book Sediment Deposition of Deposition of Control of Co	(2 or more required) (1) (Riverine) (3) (Riverine) (3) (Riverine) (3) (Riverine) (4) (B10) (5) (C2) (6) (C8) (7) (C8) (8) (C8) (9) (C9) (9
YDROLOGY Wetland Hy Primary Indi Surface High W Saturar Water Sedime Drift De Surface Inunda X Water- Field Obser Surface Water	drology Indicators: cators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aeria Stained Leaves (B9) rvations: ter Present? Ye Present? Ye resent? Ye	erine) conriverine) erine) I Imagery (E	Salt Cri Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Reduck Surface Explain in (inches) in (inches)	e Odor (C1) pheres alon luced Iron (i uction in Til ce (C7) i Remarks)	g Living C4) led Soils	Roots (C3)	condary Indicators Water Marks (Book Sediment Deposition of Deposition of Control of Co	(2 or more required) (1) (Riverine) (3) (Riverine) (3) (Riverine) (3) (Riverine) (4) (B10) (5) (C2) (6) (C8) (7) (C8) (8) (C8) (9) (C9) (9
Primary India Surface High W Satura: Water Sedime Drift De Surface Inunda X Water- Field Obser Surface Wat Water Table Saturation P (includes calescribe Reco	drology Indicators: cators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial Stained Leaves (B9) vations: ter Present? Ye Present? Ye pillary fringe)	erine) conriverine) erine) I Imagery (E	Salt Cri Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Reduck Surface Explain in (inches) in (inches)	e Odor (C1) pheres alon luced Iron (i uction in Til ce (C7) i Remarks)	g Living C4) led Soils	Roots (C3)	condary Indicators Water Marks (Book Sediment Deposition of Deposition of Control of Co	(2 or more required) (1) (Riverine) (3) (Riverine) (3) (Riverine) (3) (Riverine) (4) (B10) (5) (C2) (6) (C8) (7) (C8) (8) (C8) (9) (C9) (9
YDROLOGY Wetland Hy Primary Indi Surface High W Saturar Water Sedime Drift De Surface Inunda X Water- Field Obser Surface Water	drology Indicators: cators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial Stained Leaves (B9) vations: ter Present? Ye Present? Ye pillary fringe)	erine) conriverine) erine) I Imagery (E	Salt Cri Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Reduck Surface Explain in (inches) in (inches)	e Odor (C1) pheres alon luced Iron (i uction in Til ce (C7) i Remarks)	g Living C4) led Soils	Roots (C3)	condary Indicators Water Marks (Book Sediment Deposition of Deposition of Control of Co	(2 or more required) (1) (Riverine) (3) (Riverine) (3) (Riverine) (3) (Riverine) (4) (B10) (5) (C2) (6) (C8) (7) (C8) (8) (C8) (9) (C9) (9
Primary India Surface High W Satura: Water Sedime Drift De Surface Inunda X Water- Field Obser Surface Wat Water Table Saturation P (includes calescribe Reco	drology Indicators: cators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial Stained Leaves (B9) vations: ter Present? Ye Present? Ye pillary fringe)	erine) conriverine) erine) I Imagery (E	Salt Cri Biotic C	ust (B11) crust (B12) Invertebren Sulfide d Rhizospice of Red Iron Reduck Surface Explain in (inches) in (inches)	e Odor (C1) pheres alon luced Iron (i uction in Til ce (C7) i Remarks)	g Living C4) led Soils	Roots (C3)	condary Indicators Water Marks (Book Sediment Deposition of Deposition of Control of Co	(2 or more required) (1) (Riverine) (3) (Riverine) (3) (Riverine) (3) (Riverine) (4) (B10) (5) (C2) (6) (C8) (7) (C8) (8) (C8) (9) (C9) (9

WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: P	Premier Montaire			City/County:	Loomis/ Pl	lacer		Sampling D	ate:	10/07/22
Applicant/Owner: P	remier Homes					C	Α 5	Sampling P	oint: DP-1	1
Investigator(s): B	Bonnie Peterson/Ma	adrone Ecolog	ical	Section	n, Township	, Range: Section 2	1, Township	11 North, R	ange 7 Eas	t
Landform (hillslope,	terrace, etc.):	Hillslope		_ Local re	elief (concav	e, convex, none): no	one		Slope (%):	2
Subregion (LRR): <u>M</u>	lediterranean Calif	ornia (LRR C)	Lat:			Long:			Datum	: NAD 83
Soil Map Unit Name	e: <u>(106)</u> and (1	07) Andregg o	oarse sandy loa	ım		NWI Class	sification:			
Are climatic / hydrol	-			year?	Yes	X* No			in Remarks	•
	, Soil			significantly		Are "Normal Circ	cumstances"	present?	Yes X	_No
Are Vegetation	, Soil	_, or Hydrolog		naturally pro	oblematic?	(If needed, expla	in any answe	rs in Rema	rks.)	
SUMMARY OF	FINDINGS - A	ttach site r	nap showinເ	g samplin	g point lo	cations, transe	cts, import	tant featu	ıres, etc.	
Hydrophytic Vegeta	tion Present?	Yes X	No							
Hydric Soil Present?		Yes X	No		ampled Are	YAS	X N	o		
Wetland Hydrology	Present?	Yes X	No	Within	a Wetland?					
northern edge of se	ep. The second s			ecent rain ye	ears. Locate	d in seep S-1. Hima	ilayan biackbe	erry and Will	ow located	along
VEGETATION -	- Use scientific	c names of	plants.							
			Absolute	Dominant	Indicator	Dominance Test v	worksheet:			
Tree Stratum (F	Plot size:)	% Cover	Species?	Status	Number of Domina				
1			_			That Are OBL, FA	CW, or FAC:		1	(A)
2.						Total Number of D	ominant	·		-
3.						Species Across All	Strata:		1	(B)
4						Percent of Domina	nt Species			
			0	=Total Cove	r	That Are OBL, FAC	CW, or FAC:	1	00%	_(A/B)
Sapling/Shrub St	ratum (Plot size: _)				Prevalence Index	Worksheet:			
1.						Total % Cove	er of:	Mult	iply by:	
2.						OBL species	20 x1	=	20	_
3.			_			FACW species	70 x2	= -	140	_
4.			_			FAC species	10 x3	=	30	_
5.						FACU species	0 x4	=	0	_
_			0	=Total Cove	r	UPL species	0 x5	=	0	-
Herb Stratum (I	Plot size: <u>1 met</u>	<u>er²</u>)				Column Totals:	100 (A)		190	(B)
1. Juncus balticu	IS		70	Y	FACW	Prevalence Inde	x = B/A =	1.9)	_
2. Juncus xiphio	ides		20	N	OBL					
3. <i>Holcus lanatu</i>	S		10	N	FAC	Hydrophytic Vege	etation Indica	ators:		
4			_			X Dominan	ce Test is >50	0%		
5						X Prevalence	ce Index is ≤	3.0 ¹		
6							gical Adaptat			ng
7						data in R	emarks or on	a separate	sheet)	
8			_			Problema	atic Hydrophy	tic Vegetati	on¹ (Explain	1)
			100	=Total Cove	r					
	tum (Plot size:)				¹ Indicators of hydri				
1			_			be present, unless	disturbed or	problematic	.	
2						Hydrophytic				
~ 5		•		=Total Cove		Vegetation		v		
% Bare Ground in	n Herb Stratum	0	_ % Cover of E	Biotic Crust	0	Present?	Ye	s	No	
Remarks:* Thatch										

SOIL Sampling Point: DP-11

	Matrix		Re	dox Feat	tures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
)-12	10 yr 3/1	100	, ,				Sandy loam	
					· ——			
	- ·	· —— —	_					
	· · · · · · · · · · · · · · · · · · ·							_
	· · · · · · · · · · · · · · · · · · ·							_
	·	· — —			· ——		-	_
	·	· — —			· ——		-	_
		· -					-	_
Type: C=0	Concentration, D=Depletio	on, RM=Reduc	ed Matrix, CS=Co	overed or	Coated San	d Grains.	² Location: PL=F	Pore Lining, M=Matrix.
ludala Ca	il luulineteun. (Auntin	-bl- 4II I	DDl4				ludiostono fo	n Buchlamatia Hadria Caila ³ .
-	oil Indicators: (Applica	able to all L			-			r Problematic Hydric Soils ³ :
	osol (A1)			Redox (S				uck (A9) (LRR C)
	c Epipedon (A2)			Matrix (uck (A10) (LRR B)
	k Histic (A3)			-	ineral (F1)			d Vertic (F18)
	ogen Sulfide (A4)			-	fatrix (F2)			rent Material (TF2)
	ified Layers (A5) (LRR	C)		d Matrix			Other (E	Explain in Remarks)
	Muck (A9) (LRR D)		Redox [Dark Surf	face (F6)			
	eted Below Dark Surfac	ce (A11)			urface (F7)		
	k Dark Surface (A12)			Depression	, ,		³ Inc	licators of hydrophytic vegetation and
Sand	dy Mucky Mineral (S1)		Vernal F	Pools (F9	9)			vetland hydrology must be present,
Sand	ly Gleyed Matrix (S4)							unless disturbed or problematic.
Restrictiv	e Layer (if present):							
уре:								
epth (inc	hes):					Hy	dric Soil Prese	nt? Yes X No
marks:								
DROLOG	SY.							
Vetland I	Hydrology Indicators:	ne required:	check all that ar	oply)			Se	econdary Indicators (2 or more required)
Vetland I rimary In	Hydrology Indicators: dicators (minimum of or	ne required;					Se	econdary Indicators (2 or more required) Water Marks (B1) (Riverine)
Vetland I rimary In Surfa	Hydrology Indicators: dicators (minimum of or ace Water (A1)	ne required; «	Salt Cru	ıst (B11)			Se	Water Marks (B1) (Riverine)
Vetland I Primary In Surfa High	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2)	ne required;	Salt Cru Biotic C	ıst (B11) rust (B12	2)		Se	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Vetland I Primary In Surfa High Satu	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3)		Salt Cru Biotic C Aquatic	rust (B11) rust (B12 Inverteb	2) rates (B13)		Se	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Vetland I Primary In Surfa High Satu X	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonrivel	rine)	Salt Cru Biotic C Aquatic Hydroge	ist (B11) rust (B12 Inverteb en Sulfide	2) rates (B13) e Odor (C1)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Vetland H Primary In Surfa High Satu X Wate Sedii	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonrivel ment Deposits (B2) (No	rine) onriverine)	Salt Cru Biotic C Aquatic Hydroge Oxidized	ist (B11) rust (B12 Inverteb en Sulfide d Rhizos	2) rates (B13) e Odor (C1 pheres aloi) ng Living	Se	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
Vetland I Primary In Surfa High Satu X Wate Sedii Drift	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonrivel ment Deposits (B2) (No Deposits (B3) (Nonrive	rine) onriverine)	Salt Cru Biotic C Aquatic Hydroge Oxidized	ist (B11) rust (B12 Inverteb en Sulfide d Rhizos ce of Rec	2) rates (B13) e Odor (C1 pheres alor duced Iron) ng 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 I Primary In Surfa High Satu X Wate Sedi Drift Surfa	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonrivel ment Deposits (B2) (No Deposits (B3) (Nonrive ace Soil Cracks (B6)	rine) onriverine) erine)	Salt Cru Biotic C Aquatic Hydroge Oxidizer Presenc	ust (B11) rust (B12) Inverteb en Sulfide d Rhizos ee of Rec	2) rates (B13) e Odor (C1 pheres alor duced Iron o) ng 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) Saturation Visible on Aerial Imagery (C8)
Vetland I Primary In Surfa High Satu X Wate Sedi Drift Surfa	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial	rine) onriverine) erine) Imagery (B7)	Salt Cru Biotic C Aquatic Hydroge Oxidizer Presenc Recent Thin Mu	ust (B11) rust (B12) Inverteben Sulfided Rhizos ee of Red Iron Red lick Surfa	2) rates (B13) e Odor (C1) pheres alor duced Iron (duction in Ti ace (C7)) ng Living (C4) lled Soils	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 (CS) Shallow Aquitard (D3)
Vetland I Primary In Surfa High Satu X Wate Sedii Drift Surfa	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonrivel ment Deposits (B2) (No Deposits (B3) (Nonrive ace Soil Cracks (B6)	rine) onriverine) erine) Imagery (B7)	Salt Cru Biotic C Aquatic Hydroge Oxidizer Presenc Recent Thin Mu	ust (B11) rust (B12) Inverteben Sulfided Rhizos ee of Red Iron Red lick Surfa	2) rates (B13) e Odor (C1 pheres alor duced Iron o) ng Living (C4) lled Soils	Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Wetland I Primary In Surfa High Satu X Wate Sedi Drift Inund Wate	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial	rine) onriverine) erine) Imagery (B7)	Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent Thin Mu Other (E	rust (B11) rust (B12 Inverteb en Sulfide d Rhizos ee of Rec Iron Red ack Surfa	rates (B13) e Odor (C1) pheres alor duced Iron of uction in Ti uce (C7) n Remarks)) ng Living (C4) lled Soils	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)
Netland Primary In	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: Vater Present? Yes	rine) pnriverine) prine) Imagery (B7)	Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent Thin Mu Other (E	ist (B11) rust (B12) Inverteb en Sulfide d Rhizos ee of Rec Iron Red ick Surfa Explain in	rates (B13) e Odor (C1) pheres alor duced Iron ouction in Trace (C7) n Remarks)) ng Living (C4) lled Soils	Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Vetland I Primary In Surfa High Satu X Wate Sedi Drift Surfa Inune Wate Field Obs Gurface W Vater Tak	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: Vater Present? Yes	rine) pnriverine) prine) Imagery (B7) S No	Salt Cru	sst (B11) rust (B12) Inverteb en Sulfide d Rhizos ee of Rec Iron Red ack Surfa Explain in i (inches)	rates (B13) e Odor (C1) pheres aloi duced Iron i uction in Ti ce (C7) n Remarks)) ng Living (C4) lled Soils	Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland I Primary In Surfa High Satu X Wate Sedii Drift Surfa Inune Wate Field Obs Surface W Vater Tak Saturation	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: //dater Present? Yes Present? Yes	rine) pnriverine) prine) Imagery (B7) S No	Salt Cru	ist (B11) rust (B12) Inverteb en Sulfide d Rhizos ee of Rec Iron Red ick Surfa Explain in	rates (B13) e Odor (C1) pheres aloi duced Iron i uction in Ti ce (C7) n Remarks)) ng Living (C4) lled Soils	Roots (C3)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Vetland I Primary In Surfa High Satu X Wate Sedii Drift Surfa Inune Wate Field Obs Surface W Water Tab Saturation includes of	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: Vater Present? Ves Present? Yes capillary fringe)	rine) pnriverine) erine) Imagery (B7) S No. S No.	Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent Thin Mu Other (E	ist (B11) rust (B12) Inverteb en Sulfide d Rhizosi ee of Rec Iron Red ack Surfa explain in in (inches) in (inches)	rates (B13) rates (B13) e Odor (C1) pheres alor duced Iron fuction in Trace (C7) in Remarks) :) ng Living (C4) Illed Soils	Roots (C3) s (C6) X Wetland Hydr	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 I Primary In Surfa High Satu X Wate Sedii Drift Surfa Inune Wate Field Obs Surface W Water Tab Saturation Sincludes of	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: //dater Present? Yes Present? Yes	rine) pnriverine) erine) Imagery (B7) S No. S No.	Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent Thin Mu Other (E	ist (B11) rust (B12) Inverteb en Sulfide d Rhizosi ee of Rec Iron Red ack Surfa explain in in (inches) in (inches)	rates (B13) rates (B13) e Odor (C1) pheres alor duced Iron fuction in Trace (C7) in Remarks) :) ng Living (C4) Illed Soils	Roots (C3) s (C6) X Wetland Hydr	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)
Primary In Surfa High Satu X Wate Sedii Drift Surfa Inune Wate Field Obs Surface W Water Tat Saturation (includes coscribe Re	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: Vater Present? Ves Present? Yes capillary fringe)	rine) pnriverine) erine) Imagery (B7) S No. S No.	Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent Thin Mu Other (E	ist (B11) rust (B12) Inverteb en Sulfide d Rhizosi ee of Rec Iron Red ack Surfa explain in in (inches) in (inches)	rates (B13) rates (B13) e Odor (C1) pheres alor duced Iron fuction in Trace (C7) in Remarks) :) ng Living (C4) Illed Soils	Roots (C3) s (C6) X Wetland Hydr	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 I Primary In Surfa High Satu X Wate Sedii Drift Surfa Inune Wate Field Obs Surface W Water Tab Saturation (includes o	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: Vater Present? Ves Present? Yes capillary fringe)	rine) pnriverine) erine) Imagery (B7) S No. S No.	Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent Thin Mu Other (E	ist (B11) rust (B12) Inverteb en Sulfide d Rhizosi ee of Rec Iron Red ack Surfa explain in in (inches) in (inches)	rates (B13) rates (B13) e Odor (C1) pheres alor duced Iron fuction in Trace (C7) in Remarks) :) ng Living (C4) Illed Soils	Roots (C3) s (C6) X Wetland Hydr	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland I Primary In Surfa High Satu X Wate Sedii Drift Surfa Inund Wate Field Obs Surface W Vater Tat Saturation includes o	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: Vater Present? Ves Present? Yes capillary fringe)	rine) pnriverine) erine) Imagery (B7) S No. S No.	Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent Thin Mu Other (E	ist (B11) rust (B12) Inverteb en Sulfide d Rhizosi ee of Rec Iron Red ack Surfa explain in in (inches) in (inches)	rates (B13) rates (B13) e Odor (C1) pheres alor duced Iron fuction in Trace (C7) in Remarks) :) ng Living (C4) Illed Soils	Roots (C3) s (C6) X Wetland Hydr	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland I Primary In Surfa High Satu X Wate Sedii Drift Surfa Inune Wate Surface W Vater Tat Saturation includes of	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: Vater Present? Ves Present? Yes capillary fringe)	rine) pnriverine) erine) Imagery (B7) S No. S No.	Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent Thin Mu Other (E	ist (B11) rust (B12) Inverteb en Sulfide d Rhizosi ee of Rec Iron Red ack Surfa explain in in (inches) in (inches)	rates (B13) rates (B13) e Odor (C1) pheres alor duced Iron fuction in Trace (C7) in Remarks) :) ng Living (C4) Illed Soils	Roots (C3) s (C6) X Wetland Hydr	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland I rrimary In Surfa High Satu X Wate Sedii Drift Surfa Inund Wate ield Obs urface W Vater Tab aturation ncludes o	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: Vater Present? Ves Present? Yes capillary fringe)	rine) pnriverine) erine) Imagery (B7) S No. S No.	Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent Thin Mu Other (E	ist (B11) rust (B12) Inverteb en Sulfide d Rhizos ee of Rec Iron Red ack Surfa explain in (inches) (inches)	rates (B13) rates (B13) e Odor (C1) pheres alor duced Iron fuction in Trace (C7) in Remarks) :) ng Living (C4) Illed Soils	Roots (C3) s (C6) X Wetland Hydr	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland I rrimary In Surfa High Satu X Wate Sedii Drift Surfa Inund Wate ield Obs urface W Vater Tab aturation ncludes o	Hydrology Indicators: dicators (minimum of or ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) (Nonriver ment Deposits (B2) (No Deposits (B3) (Nonriver ace Soil Cracks (B6) dation Visible on Aerial er-Stained Leaves (B9) ervations: Vater Present? Ves Present? Yes capillary fringe)	rine) pnriverine) erine) Imagery (B7) S No. S No.	Salt Cru Biotic C Aquatic Hydroge Oxidized Presenc Recent Thin Mu Other (E	ist (B11) rust (B12) Inverteb en Sulfide d Rhizos ee of Rec Iron Red ack Surfa explain in (inches) (inches)	rates (B13) rates (B13) e Odor (C1) pheres alor duced Iron fuction in Trace (C7) in Remarks) :) ng Living (C4) Illed Soils	Roots (C3) s (C6) X Wetland Hydr	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Shallow Aquitard (D3) FAC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region

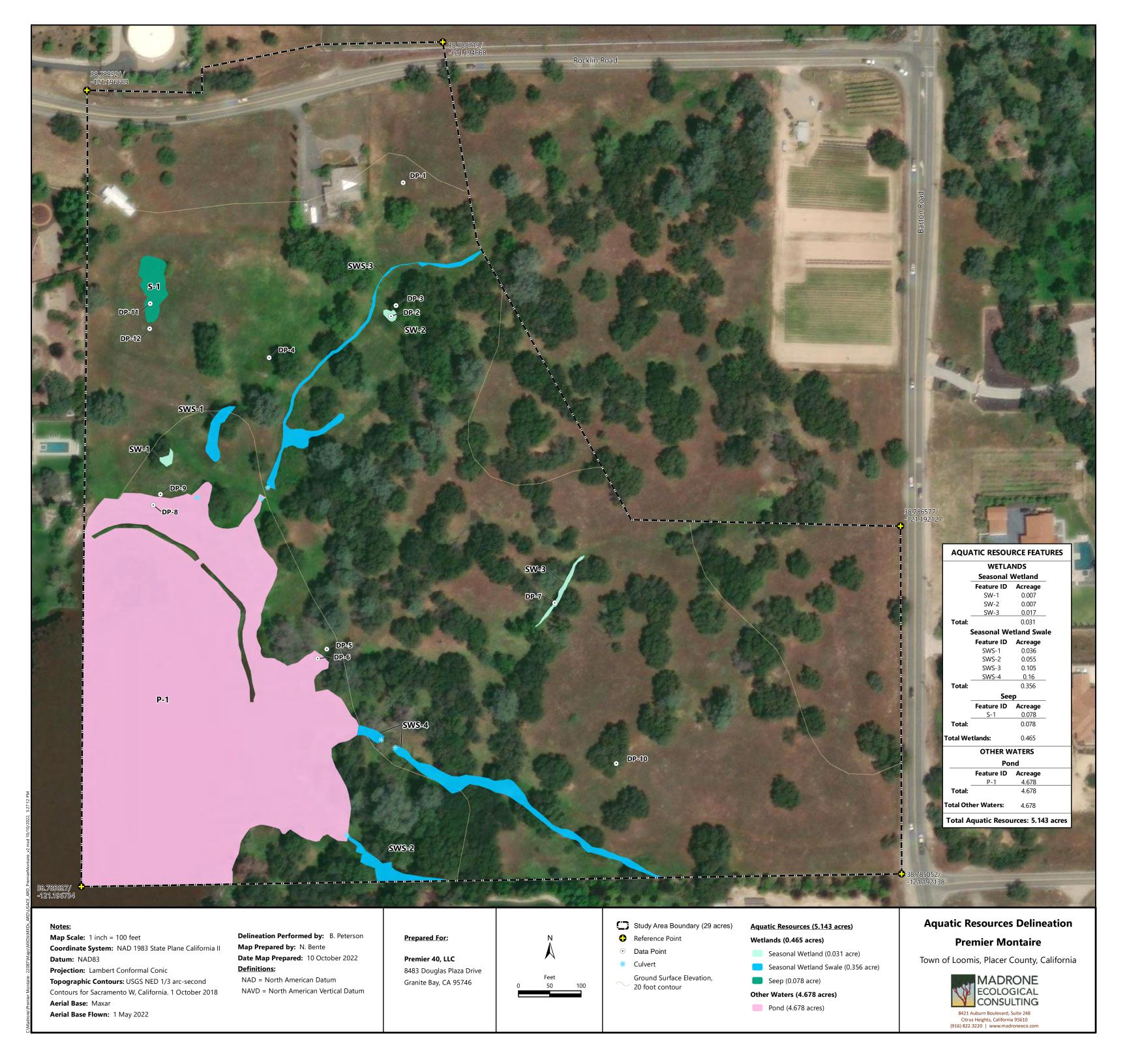
Project/Site:	Premier Montaire			City/County:	Loomis/ PI	acer		Sampling	Date:	10/07/22
Applicant/Owner:	Premier Homes						CA	Sampling	Point: DP-	12
Investigator(s):	Bonnie Peterson/Ma	adrone Ecological		Section	ո, Township	, Range:	Section 21, Townsh	nip 11 North,	Range 7 Ea	ıst
Landform (hillslop	e, terrace, etc.):	Hillslope		_	•		none): none		Slope (%)):2
Subregion (LRR):	Mediterranean Calif	fornia (LRR C)	Lat:				Long:		Datur	n: <u>NAD 83</u>
Soil Map Unit Nar		07) Andregg coar					NWI Classification:			
	rologic conditions on				Yes_			(If no, explair		,
	, Soil						ormal Circumstance	-		No
Are Vegetation	, Soil	, or Hydrology		naturally pro	oblematic?	(If need	ded, explain any ans	wers in Rem	arks.)	
SUMMARY O	F FINDINGS – A	ttach site ma	o showing	g sampling	g point lo	cations	, transects, imp	ortant feat	tures, etc	
Hydrophytic Vege	etation Present?	Yes N	o X							
Hydric Soil Prese		Yes N			ampled Are a Wetland?		Yes	No X	(
Wetland Hydrolog	gy Present?	Yes N	o X	within a	i wettand?					
Remarks:*Placer	County is in a Sever	e Drought which i	is typical of r	ecent rain ve	ars Locate	d on gentl	e slone south of see	n		
VEGETATION	I – Use scientifi	c names of pla	ants.							
			Absolute	Dominant	Indicator	Dominar	nce Test workshee	t:		
Tree Stratum	(Plot size:)	% Cover		Status		of Dominant Specie			
1.	(1 101 3120.	/					OBL, FACW, or FA		0	(A)
2.						Total Nu	mber of Dominant			_` '
3.						Species	Across All Strata:		2	(B)
4.						Percent (of Dominant Species	<u></u>		_
			0	=Total Cove	r	That Are	OBL, FACW, or FA	C:	0%	(A/B)
Sapling/Shrub	Stratum (Plot size: _)					nce Index Workshe			
1						-	al % Cover of:		ultiply by:	_
2						OBL spe		x1 =	0	_
3						FACW s		x2 =	0	_
5.						FAC spe FACU sp		x3 = x4 =	30 40	_
J			0	=Total Cove		UPL spe		x5 =	400	_
Herh Stratum	(Plot size:1 met	rer ²)		- Total Cove	,	Column ⁻		(A)	470	(B)
1. Paspalum d)	10	N	FAC		ence Index = B/A =	•	l.7	_(5)
	um) miliaceam		10	N	UPL					_
3. Elymus capi			15	N	UPL	Hydroph	ytic Vegetation Inc	licators:		
4. Avena barba	ata		35	Y	UPL		Dominance Test is	>50%		
5. Bromus horo	deacus		20	Y	UPL		Prevalence Index is	≤3.0 ¹		
6. Festuca per	ennis		10	N	FACU		Morphological Adap	otations ¹ (Pro	vide suppor	ting
7							data in Remarks or	on a separat	e sheet)	-
8							Problematic Hydrop	hytic Vegeta	tion ¹ (Expla	in)
Woody Vine St	tratum (Plot size:)	100	=Total Cove	ſ		rs of hydric soil and nt, unless disturbed	•	٠,	
2.						Hydroph	vtic			
% Bare Ground	d in Herb Stratum	0	% Cover of E	=Total Cove Biotic Crust	r 0	Vegetati Present	on	Yes	No	X
Remarks:* Thatch	า			-						

SOIL Sampling Point: DP-12

DROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) 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) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Water Table Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches):	epth	Matrix			Red	dox Feat	ures							
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. *Location: PL=Pore Lining, M=Matrix. 1	nches) Col	or (moist)	%	Color (n	noist)	%	Type ¹	Loc ²	Textu	re		Remar	ks	
lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosot (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histosot (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depited Matrix (F2) Red Parent Material (TF2) Tom 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) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Intestrictive Layer (if present): ype: Secondary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Surface (A12) Biotic Crust (B12) Settlement Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drianage Patterns (B10) Settlement Deposits (B3) (Nonriverine) Presence of Reduced fron (C4) Craffish Burrows (C8) Surface Soll Cracks (B6) Recent fron Reduction in Tilled Solis (C6) Saturation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Adjurator (D5) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Scribe Recorded Data (stream gauge, monitoring well, serial photos, previous inspections), if available:	-8 <u>10 yr 3</u>	/2	100						Sandy loa	am				
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 1 om Muck (A9) (LRR C) Histosol (A1) Surface (A2) Stripped Matrix (S6) 2 om 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) Depieted Matrix (F2) Red Parent Material (TF2) 1 om 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 Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Surface Water (A1) Salt Crust (B11) Water Table (A2) Sittle (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Dranage 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) Shaltow Mater Able (A2) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Shaltow Mater Table (C2) Think Despensity (S8) Nonriverine) Presence of Reduced Iron (C4) Shaltow Mater Table (C2) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Shaltow Application (C4) Shaltow Application (C4) Shaltow Application (C4) Shaltow Application (C4) Shaltow Application (C5) Shaltow Application (C6) Shaltow														
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histosol (A2) Stripped Matrix (S6) Black Histis (A3) Loamy Mucky, Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyded Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Red Parent Material (TF2) Other (Explain in Remarks) 1 om Muck (A9) (LRR D) Reduzed Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyded Matrix (F2) Red Parent Material (TF2) Other (Explain in Remarks) 1 om Muck (A9) (LRR D) Red Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyded Matrix (S4) Sandy Gleyded Matrix (S4) Sestrictive Layer (If present): ype: epth (inches): ype: epth (inches): Surface Water (A1) Salt Crust (B11) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) (Nonriverine) Presence of Reduced In Tinin Muck Surface (S6) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) 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) Wettand Hydrology Present? Yes No Loepth (inches): Alter Table Present? Yes No Z Depth (inches): Alter Table Recorded Data (stream gauge, monitoring well, serial photos, previous inspections), if available:														
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 1 om Muck (A9) (LRR C) Histosol (A1) Surface (A2) Stripped Matrix (S6) 2 om 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) Depieted Matrix (F2) Red Parent Material (TF2) 1 om 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 Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Surface Water (A1) Salt Crust (B11) Water Table (A2) Sittle (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Dranage 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) Shaltow Mater Able (A2) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Shaltow Mater Table (C2) Think Despensity (S8) Nonriverine) Presence of Reduced Iron (C4) Shaltow Mater Table (C2) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Shaltow Application (C4) Shaltow Application (C4) Shaltow Application (C4) Shaltow Application (C4) Shaltow Application (C5) Shaltow Application (C6) Shaltow														
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histosol (A2) Stripped Matrix (S6) Black Histis (A3) Loamy Mucky, Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Red Parent Material (TF2) Other (Explain in Remarks) 1 om Muck (A9) (LRR D) Reduzed Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Other (Explain in Remarks) 1 om Muck (A9) (LRR D) Red Reduzed Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) 1 om Muck (A9) (LRR D) Red Parent Material (TF2) Other (Explain in Remarks) 1 om Muck (A9) (LRR D) Peleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sestrictive Layer (if present): **pre:**														
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 1 om Muck (A9) (LRR C) Histosol (A1) Surface (A2) Stripped Matrix (S6) 2 om 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) Depieted Matrix (F2) Red Parent Material (TF2) 1 om 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 Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Surface Water (A1) Salt Crust (B11) Water Table (A2) Sittle (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Dranage 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) Shaltow Mater Able (A2) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Shaltow Mater Table (C2) Think Despensity (S8) Nonriverine) Presence of Reduced Iron (C4) Shaltow Mater Table (C2) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Shaltow Application (C4) Shaltow Application (C4) Shaltow Application (C4) Shaltow Application (C4) Shaltow Application (C5) Shaltow Application (C6) Shaltow							·							
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Attachment B

Aquatic Resources Delineation



Attachment C

Plant Species Observed within the Study Area

Species Name	Common Name	Wetland Rating*
Epilobium ciliatum subsp. ciliatum	Slender willowherb	UPL
Chlorogalum pomeridianum var. pomeridianum	Common soap plant	UPL
Alisma triviale	Northern water plantain	OBL
Toxicodendron diversilobum	Western poison oak	FACU
Ambrosia trifida	Giant ragweed	FAC
Baccharis pilularis subsp. pilularis	Coyote brush	UPL
Carduus pycnocephalus subsp. pycnocephalus	Italian thistle	UPL
Centaurea solstitialis	Yellow star-thistle	UPL
Centromadia fitchii	Fitch's spikeweed	FACU
Cichorium intybus	Chicory	FACU
Dittrichia graveolens	Stinkwort	UPL
Erigeron canadensis	Horseweed	FACU
Euthamia occidentalis	Western goldenrod	FACW
Gnaphalium palustre	Western marsh cudweed	FACW
Holocarpha virgata subsp. virgata	Slender tarweed	UPL
Hypochaeris glabra	Smooth cat's-ear	UPL
Lactuca serriola	Prickly lettuce	FACU
Madia elegans	Common madia	UPL
Silybum marianum	Milk thistle	UPL
Sonchus asper subsp. asper	Prickly sow thistle	FAC
Tragopogon porrifolius	Salsify	UPL
Xanthium strumarium	Cocklebur	FAC
Azolla microphylla	Mexican mosquito fern	OBL
Amsinckia menziesii	Common fiddleneck	UPL
Brassica nigra	Black mustard	UPL
Raphanus sativus	Radish	UPL
Silene gallica	Small-flower catchfly	UPL
Spergula arvensis	Corn spurrey	UPL
Spergularia rubra	Red sand-spurrey	FAC
Convolvulus arvensis	Bindweed	UPL
Cyperus eragrostis	Tall nutsedge	FACW
Eleocharis macrostachya	Creeping spikerush	OBL
Croton setiger	Turkey-mullein	UPL
Euphorbia maculata	Spotted spurge	UPL
Acmispon americanus var. americanus	Spanish lotus	UPL
Trifolium hirtum	Rose clover	UPL
Vicia villosa subsp. varia	Winter vetch	UPL
Quercus lobata	Valley oak	FACU
Quercus wislizeni var. wislizeni	Interior live oak	UPL
Zeltnera muehlenbergii	Monterey centaury	FAC
Erodium botrys	Filaree	FACU
Geranium dissectum	Cut-leaf geranium	UPL
Geranium molle	Soft geranium	UPL
Hypericum perforatum subsp. perforatum	Klamathweed	FACU

Attachment C. Page 1 of 3

Species Name	Common Name	Wetland Rating*
Juncus balticus	Baltic rush	FACW
Juncus bufonius	Toad rush	FACW
Juncus xiphioides	Iris-leaved rush	OBL
Mentha pulegium	Pennyroyal	OBL
Lythrum hyssopifolia	Hyssop loosestrife	OBL
Abutilon theophrasti	Velvet-leaf	UPL
Ficus carica	Edible fig	FACU
Ligustrum species	Privet	UPL
Ludwigia peploides	Water primrose	OBL
Phytolacca americana var. americana	Pokeweed	FAC
Pinus sabiniana	Gray, ghost, or foothill pine	UPL
Plantago lanceolata	English plantain	FAC
Agrostis avenacea	Pacific bent grass	UPL
Aira caryophyllea	Silver hair grass	FACU
Avena barbata	Slender wild oat	UPL
Avena fatua	Wild oat	UPL
Briza minor	Annual quaking grass	FAC
Bromus diandrus	Ripgut grass	UPL
Bromus hordeaceus	Soft chess	FACU
Crypsis schoenoides	Swamp prickle grass	FACW
Cynodon dactylon	Bermuda grass	FACU
Cynosurus echinatus	Bristly dogtail grass	UPL
Digitaria sanguinalis	Hairy crab grass	FACU
Echinochloa crus-galli	Barnyard grass	FACW
Elymus caput-medusae	Medusa head	UPL
Festuca arundinacea	Tall fescue	UPL
Festuca bromoides	Brome fescue	FACU
Festuca myuros	Rattail sixweeks grass	FACU
Festuca perennis	Rye grass	FAC
Glyceria declinata	Low manna grass	FACW
Holcus lanatus	Common velvet grass	FAC
Hordeum marinum subsp. gussoneanum	Mediterranean barley	FAC
Hordeum murinum subsp. murinum		UPL
Paspalum dilatatum	Dallis grass	FAC
Phalaris paradoxa	Hood canary grass	FAC
Poa annua	Annual blue grass	FAC
Polypogon monspeliensis	Annual rabbitfoot grass	FACW
Sorghum halepense	Johnson grass	FACU
Stipa miliacea var. miliacea	Smilo grass	UPL
Polygonum aviculare	Knotweed, knotgrass	FAC
Polygonum aviculare subsp. depressum	Prostrate knotweed	FAC
Rumex acetosella	Sheep sorrel	FACU
Rumex conglomeratus	Cluster dock	FACW
Rumex crispus	Curly dock	FAC

Attachment C. Page 2 of 3

Premier Montaire
Plant Species Observed 23 August and 7 October 2022

Species Name	Common Name	Wetland Rating*
Rumex pulcher	Fiddle dock	FAC
Prunus dulcis	Almond	UPL
Rubus armeniacus	Armenian blackberry	FAC
Galium aparine	Goose grass	FACU
Populus fremontii subsp. fremontii	Fremont cottonwood	FAC
Salix exigua	Sandbar willow	FACW
Salix gooddingii	Goodding's black willow	FACW
Salix lasiolepis	Arroyo willow	FACW
Verbascum blattaria	Moth mullein	UPL
Dichelostemma multiflorum	Wild hyacinth	UPL
Typha angustifolia	Narrow-leaved cattail	OBL

^{*} Arid West Rating from the U.S. Army Corps of Engineers 2022. National Wetland Plant List, version 3.4, http://wetlandplants.usace.army.mil/, U.S. Army Corps of Engineer Research and Development Center Cold Regions Research and Engineering Laboratory, Hanover, NH

Attachment D

Representative Site Photographs



Data Point DP-1, Representative upland facing north towards Rocklin Road, 23 August 2022



Data Point DP-2, In seasonal wetland SW-2 facing north, 23 August 2022



Data Point DP-3, North of seasonal wetland SW-2 facing north, 23 August 2022



Data Point DP-4, North of stockpile/berm, 23 August 2022



Data Point DP-5, east of the perennial pond facing east, 7 October 2022



Data Point DP-6, within the wetland fringe of the perennial pond facing west, 7 October 2022



Data Point DP-7, In seasonal wetland SW-3 facing southwest, 7 October 2022



Data Point DP-8, northern wetland fringe of the perennial pond facing south, 23 August 2022



Data Point DP-8, northern wetland fringe of the perennial pond facing southeast, 23 August 2022



Data point DP-9, just north of pond and adjacent wetlands facing southwest, 23 August 2022

Representative Site Photos 23 August and 7 October 2022



Data Point DP-10, Upland depression under an oak, 7 October 2022



Data Point DP-11, In seep S-1 facing north, 7 October 2022



Data Point DP-12, South of seep S-1 facing south, 7 October 2022



Seasonal wetland swale SWS-2 boundary with perennial pond (P-1), 7 October 2022



Typical uplland in northeastern portion of the Study Area, 7 October 2022

Attachment E

Aquatic Resources Excel Spreadsheet

Waters_Name	State	Cowardin_Code	HGM_Code	Meas_Type	Amount	Units	Waters_Type	Latitude	Longitude	Local_Waterway
SW-1	CALIFORNIA	PEM	A	\rea	0.007	ACRE	DELINEATE	38.78689979	-121.1962312	
SW-2	CALIFORNIA	PEM	Д	∖rea	0.007	ACRE	DELINEATE	38.7875234	-121.1949758	
SW-3	CALIFORNIA	PEM	Д	∖rea	0.017	ACRE	DELINEATE	38.78631003	-121.1940289	
SWS-1	CALIFORNIA	PEM	Д	∖rea	0.036	ACRE	DELINEATE	38.78701291	-121.1959539	
SWS-2	CALIFORNIA	PEM	Д	∖rea	0.055	ACRE	DELINEATE	38.78509669	-121.1950221	
SWS-3	CALIFORNIA	PEM	Д	∖rea	0.105	ACRE	DELINEATE	38.78721228	-121.1953024	
SWS-4	CALIFORNIA	PEM	Д	∖rea	0.16	ACRE	DELINEATE	38.78541149	-121.1944142	
S-1	CALIFORNIA	PEM	Д	∖rea	0.078	ACRE	DELINEATE	38.78766289	-121.1963036	
P-1	CALIFORNIA	L1	Д	∖rea	4.678	ACRE	DELINEATE	38.78582926	-121.1960985	

Attachment F

Request for Aquatic Resource Verification or Jurisdictional Determination 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 lo	cation map)
Choose one:	Choose one product:	
I own the review area		Aquatic Resources Delineation Verification
I hold an easement or development rights over the review a	ea I am requesting an	Approved JD
I lease the review area	I am requesting a P	Preliminary JD
I plan to purchase the review area		ditional information to inform my decision
I am an agent/consultant acting on behalf of the requestor	about which prod	luct 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 wou	ld be designed to avoid all aquatic
resources.	4.	
I intend to construct/develop a project or perform activities in resources determined to be waters of the U.S.	this review area which wou	id be designed to avoid those aquatic
	this review area which may	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 this review area which may	require authorization from the Corps, this
I intend to construct/develop a project or perform activities in	a navigable water of the LL	S 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.	ido indicatod that an aquatio	Toodardo domination vollination le
I intend to contest jurisdiction over particular aquatic resource	es and request the Corps co	onfirm that these aquatic resources are or
are not waters of the U.S.		- γ .
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		tent 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/A	rticle/651327/updated-map-and-drawing-
standards/)		
Aquatic Resources Delineation Report, if available, consiste	nt with the Sacramento Distr	rict'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		
affirmation that you possess the requisite property rights for th	s request on the subject pro	perty.
*Signature:	Date:	
Name: Com	pany name.	-
Address:	Pa, manno	
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.