Aquatic Resources Delineation Report:

Survey Name: Humboldt County APN 216-271-013-000

APPS 11682

Survey Dates: August September 17, 2018 & April 21, 2021

CALIFORNIA GREEN AVRIES, LLC

Prepared for

Kalifornia Green Akres, LC.

Humboldt County APN 216-271-013-000

NCRWQCB WDID# 1B16571CHUM

CMMLUO APPS #11682

Prepared by

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May 12, 2021

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Summary

On behalf of landowner Kalifornia Green Akres, Claire Brown of Natural Resources Management Corporation conducted an investigation of aquatic resources and wetland delineation on Humboldt County parcel APN 216-271-013-000 on September 17, 2018, and April 21, 2021. The surveys were conducted in accordance with the 1987 Corps of Engineers Wetland Delineation Manual and the 2010 Regional Supplement: Western Mountains, Valleys and Coast Region (Version 2.0)" (USACE, 1987 and 2010).

The purpose of these surveys were to identify and describe aquatic resources in relation to existing and proposed cannabis development. We delineated approximately 0.367 acres of three-parameter wetlands during the surveys, including approximately 0.172 acres of perennial palustrine emergent wetland, 0.045 acres of seasonal palustrine emergent wetland, 0.11 acres of artificial perennial pond, 0.012 acres of seasonal "problem" palustrine emergent wetland, and 0.037 acres of palustrine emergent wetland of unknown seasonal duration. Note that the wetlands delineated and mapped outside of the Study Area (Figures 4-7) were only assessed visually from a distance, and their true extent is unknown. (see Figures 4-7). The Study Area was established in relation to existing and proposed cannabis development and findings only reflect features within the boundaries of the Study Area, and do not reflect any presence or absence of potential Waters outside of the Study Area. See Table 1 for a summary of findings.

Some portions of the pre-existing (pre- January 1, 2016) outdoor cultivation sites located on the parcel are within the 50-foot wetland protection setbacks outlined by the 2015 North Coast Regional Water Quality Control Board's (NCRWQCB) Order No. 2015-0023 (Figure 7). These areas are referred to as "Areas to be Relocated" in Figure 7. These areas are proposed to be removed from their current location and relocated to environmentally superior relocation receiver sites.

Table 1. Summary of Findings

Map ID (Figure 7)	Aquatic Resource Type	Size (Acres)
1	Perennially Saturated Persistent Emergent Palustrine Wetland	0.109
7	Perennially Saturated Persistent Emergent Palustrine Wetland	0.063
4	Perennial Artificial Pond	0.101
2	Seasonally Saturated Persistent Emergent Palustrine Wetland	0.026
5	Seasonally Saturated Persistent Emergent Palustrine Wetland	0.008
3	Seasonally Saturated Persistent Emergent Palustrine Wetland	0.011
8	Seasonally Saturated Persistent Emergent Palustrine Wetland (Problem)	0.012
6	Wetland (Unknown Duration)	0.037

Introduction

The Study Area on Humboldt County APN 216-271-013-000 covers an approximately 3.5-acre area encompassing portions of the project parcel currently being used to grow cannabis. The purpose of this report is to identify and describe aquatic resources in relation to existing and proposed cannabis development.

Location

The Study Area area is located in Humboldt County, California, near the community of Alderpoint. The legal description of the site is T3S, R5E, SEC 27, HB&M; USGS Alderpoint quadrangle. See Figure 1.

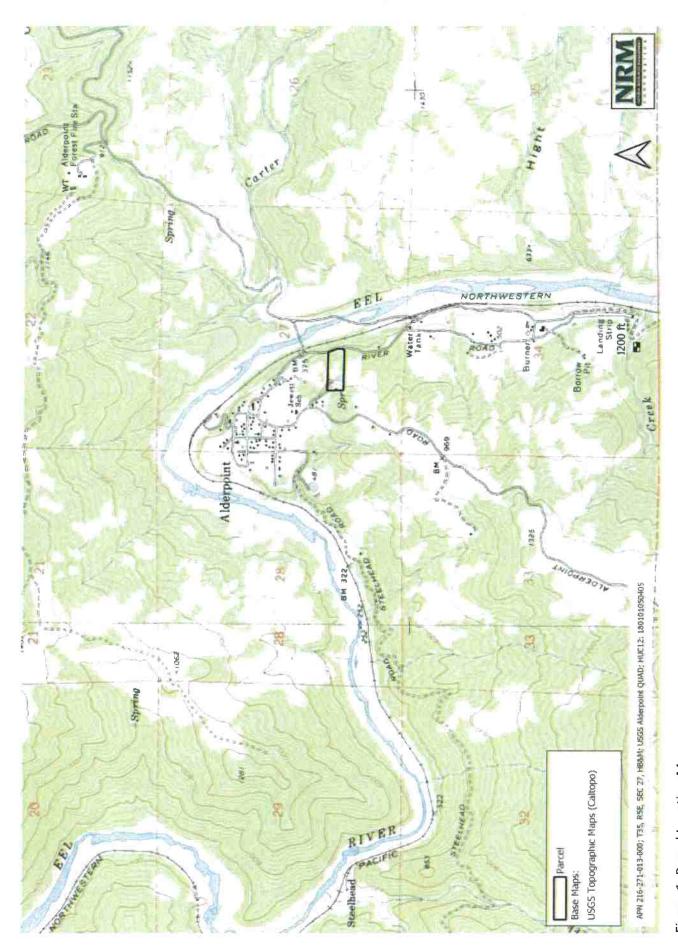


Figure 1. Parcel Location Map.

Aquatic Resources Delineation Report: Humboldt County APN 216-271-013-000

Figure 2. Study Area Overview Map: Orthographic

Aquatic Resources Delineation Report: Humboldt County APN 216-271-013-000

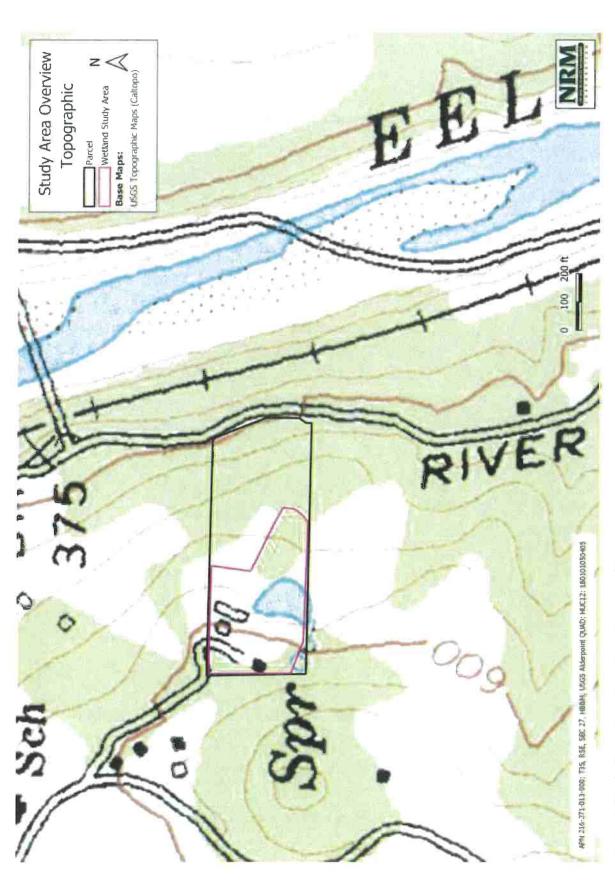


Figure 3. Study Area Overview Map: Topographic

Methods

NRM botanist and wetland scientist Claire Brown conducted field surveys on September 17, 2018, and April 21, 2021. These surveys were conducted in accordance with the three-parameter method of the U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual and the 2010 Regional Supplement: Western Mountains, Valleys and Coast Region (Version 2.0) (USACE, 1987 and 2010). However, the first survey took place well within the dry season when hydrological indicators may not be present or may be difficult to interpret. The second survey took place in what should be the wet season on a typical year, but during drought conditions (accumulated rainfall in preceding months below normal).

At total of 10 wetland investigation plots were subjectively established within the Study Area. Plot placement was intended to identify the extent of wetland features present under current conditions. See Figures 4-5 (Wetland Delineation Maps) for location details. At each sampling plot, vegetation, hydrology, and soils were examined according to USACE delineation protocols.

The three-parameter method identifies a jurisdictional wetland (Waters of the United States) based on the presence of three wetland indicators: hydrophytes (plants adapted to anaerobic conditions resulting from a prolonged inundation with water), hydric soils (reduced soils resulting from a prolonged inundation with water), and wetland hydrology. Per Section 404 of the federal Clean Water Act, USACE is charged with regulating project activities that propose to dredge or fill a wetland resource. Standard USACE data forms for routine wetland determinations were completed for each sampling point and are attached in Appendix C.

Vegetation analysis

Dominant plant species were recorded at each sampling point and each species was assigned an indicator status using The National Wetlands Plant List – Western Mountains, Valleys & Coast (Lichvar et al., 2016). The indicator status assigned to a species designates the probability of that species occurring in a wetland, and are defined as follows:

- OBL= Obligate, almost always is a hydrophyte, rarely in uplands.
- FACW= Facultative Wetland, usually is a hydrophyte but occasionally found in uplands.
- FAC=Facultative, commonly occurs as either a hydrophyte or non-hydrophyte.
- FACU= Facultative Upland, occasionally is a hydrophyte, but usually occurs in uplands.
- UPL=Upland, rarely is a hydrophyte, almost always in uplands.

Species with a wetland indicator of OBL, FACW, and FAC are considered to be typically adapted for life in a wetland. Thus, species with these indicators were used in this wetland determination to decide whether a prevalence of hydrophytic vegetation existed at each sampling point.

Hydrology Analysis

Presence of wetland hydrological primary and/or secondary indicators, as listed in the USACE 1987 Wetland Delineation Manual and the 2010 Regional Supplement for Western Mountains, Valleys and Coast Region (Version 2.0), was noted at each sampling point (USACE, 1987; 2010). Factors influencing wetland hydrology include the frequency, duration, and seasonality of inundation and/or saturation. Primary field indicators of wetland hydrology include visual observation of inundation, saturation within the upper 12 inches of soil, observation of water marks, drift lines, or sediment deposits, and observation of oxidized root-hair channels with living roots still present in the upper 12 inches of soil. Secondary indicators of wetland hydrology include factors such as geomorphic position and the FAC-neutral test (i.e., dropping species rated as FAC from the vegetation analysis). One primary indicator or two secondary indicators must be present at a sampling point for the hydrology to be considered wetland (USACE, 2010).

Soils Analysis

A soil pit was dug at each sampling point to a minimum depth of 12 inches. In each pit, distinct soil layers were noted and measured, and soil texture and color were analyzed. Soil matrix colors and mottle colors were compared to the Munsell soil color chart (2017 edition) for color appearance (hue), strength (chroma), and lightness (value). Soils were considered hydric if they displayed any of the applicable primary indicators listed in the 2018 Natural Resources Conservation Service (NRCS) Field Indicators of Hydric Soils in the United States Version 8.2 (NRCS 2018). USACE data forms are included in Appendix C.

Mapping

The data collection during the plot investigations were extrapolated over the portion of the Survey Area of which they were representative. Plot locations and boundaries were documented in the field by measuring distance and azimuth from reference locations visible in aerial imagery and were marked using a Garmin eTrex 30 GPS unit. These points and measurements were used to generate a map in GIS software.

Existing Conditions:

Historic Land Use

The project area (and Study Area) has been used historically as a cannabis cultivation site, and the entire project footprint has been significantly disturbed and altered. The upper, western portion of the parcel was apparently the site of a historic hotel and brothel, in use since the late-1800's. There is an existing, perennial, artificially retained pond on the parcel,

Hydrology and Topography

The 20-acre project parcel occupies an east-facing slope above the mainstem Eel River. The parcel is between 400 feet and 600 feet in elevation. The mainstem Eel River lies approximately 300 feet downslope to the east.

The site of a pond (described above and in Findings) is depicted as a perennial spring and pond on the USGS topographic quadrangle map (Figure 3). This pond has no apparent stream inlet or outlet and therefore appears to be fed by a spring and possibly by an inlet culvert within a wetland. No other watercourses are mapped on the parcel. The pond is artificially bermed and ringed by a dirt fill access road. The pond drains through a culvert towards the neighboring parcel to the south.

As of April 21st, 2021, the accumulated to-date precipitation of the 2020-2021 water year at the Scotia NWS station was 26.51 inches (NOAA 2021). The "normal" accumulation for that period is 43.69 inches. The to-date accumulated precipitation was therefore approximately 60% of 'normal.' Total precipitation for the months of March and April were exceptionally low. March totals were just barely within one standard deviation of the 30-year mean, but the total rainfall in April was outside of (lower than) three standard deviations of the 30-year mean NOAA 2021).

Vegetation

The Study Area lies within a grassland portion of a regional mosaic of cismontane oak woodland, mixed evergreen forest, and foothill and valley grassland (Holland 1986). However, much of the Study Area is disturbed by both historic and recent agricultural activity. Most of the herbaceous vegetation on-site consists of ruderal, weedy species, with most areas dominated by fennel (Foeniculum vulgare, NL) and/or weedy pasture grasses such as tall fescue (Festuca arundinacea, FAC), harding grass (Phalaris aquatica, FACU) wild oat (Avena barbata, UPL), ripgut brome (Bromus diandrus, NL) and colonial bentgrass (Agrostis capillaris, FAC). The invasive shrub Himalayan blackberry (Rubus armeniacus, FAC) also dominates large areas.

However, the historic pond (described in Findings) and a good portion of the hillslope above the pond is dominated by thick stands of field horsestail *Equisetum arvense*, FACW), with patches of pennyroyal (*Mentha pulegium*, OBL), cattail (*Typha latifolia*, OBL) watercress (*Nasturtium officinale*, OBL) and nutsedge (*Cyperus eragrostis*, FACW). Himalayan blackberry is also dominant in some areas.

<u>Soils</u>

Soils within the Study Area are mapped by the Natural Resources Conservation Service (NRCS) as Map Unit 673—Coolyork-Yorknorth complex, 30 to 50 percent slopes (NRCS 2021) See NRCS soil map in Appendix C. The NRCS describes these soil series as follows:

- "The Coolyork series consists of very deep, moderately well drained soils formed in residuum and colluvium derived from chloritic schist, mudstone and sandstone. Coolyork soils are on mountains and slopes range from 5 to 75 percent. The mean annual precipitation is about 1500 mm and the mean annual air temperature is about 13 degrees C" (NRCS 2020).
- "The Yorknorth series consists of very deep, moderately well drained soils that formed in material weathered from chloritic schist and other sedimentary and metamorphic rocks. Yorknorth soils are on hills and mountains and have slopes of 2 to 50 percent. The mean

annual precipitation is about 1650 millimeters and the mean annual temperature is about 14 degrees C" (NRCS 2021).

Results

As stated above, the purpose of this investigation was to identify the extent of wetland and watercourse features in relation to existing and proposed cannabis cultivation infrastructure and activities. This wetland delineation took place both during the dry season (September 2018) and on during exceptionally dry springtime conditions (April 2021). Therefore, the hydrologic conditions at the site must be considered problematic.

We delineated approximately 0.37 acres of three-parameter wetlands during the surveys, including approximately 0.172 acres of perennial palustrine emergent wetland, 0.045 acres of seasonal palustrine emergent wetland, 0.11 acres of artificial perennial pond, 0.012 acres of seasonal "problem" palustrine emergent wetland, and 0.037 acres of palustrine emergent wetland of unknown seasonal duration. Note that the wetlands delineated and mapped outside of the Study Area (Figures 4-7) were only assessed visually from a distance, and their true extent is unknown.

The delineated wetlands are part of what appears to be a mosaic/complex of seep/spring-fed wetlands occurring along the southern parcel boundary and on the neighboring parcel to the south. These hillside seep/springs appear to occur where subsurface perched water tables/subsurface flow is directed (by breaks in slope or change in soil textures) to surface or near surface level at various points on the hillslope, saturating the upper soil profile and promoting the growth of hydrophytic vegetation. Some areas are perennially saturated, while others dry out seasonally.

See Figures 4-6 for wetland delineation map and wetland map identification (map ID).

Wetlands 1, 2 and 3 (Figure 6) all drain towards the berm ringing the artificial pond (map ID 4). This pond appears to have been built to capture and retain water from one or more of these seep/springs, and is the focal point for a concave portion of the hillslope. A 12" diameter culvert is positioned to inlet water from wetland 1 into the pond at high flows, and a second 12" diameter culvert is positioned to drain high-water pond overflow south onto the neighboring parcel. Wetland 1 is perennially saturated, with a high-water table and saturation within the upper 12 inches even in the dry season, meeting Hydrology Indicators A2 and A3, Geomorphic Position (D2) and Presence of Reduced Iron (C4). Soils within wetland 1 meet Hydric Soil Indicator Redox Dark Surface (F6) and Depleted Matrix (F3). Wetland map ID's 2 and 3 appear to dry out seasonally, at least in some years, and meet Hydric Soil Indicator Redox Dark Surface (F6). Wetland map ID's 1,2, and 3 are each dominated by field horsetail (Equisetum arvense, FAC) and Himalayan blackberry (FAC). This vegetation type is visually distinct from upland portions of the Study Area. Wetland 1 is also characterized by the presence of some wetland obligate plants at lower total cover, such as cattail (Typha latifolia, OBL) and watercress (Nasturtium officinale, OBL). The northern extent of wetland 2 is bounded by an existing dirt-surfaced road. The landform naturally shifts at that point, and it seems

the road is positioned at the natural wetland boundary. Plot 7 defines the upland condition on the other (north)side of the road.

The artificial pond (map ID 4) is characterized by open, standing water throughout the year. During the September 2018 visit, the pond edge was vegetated by a thick ring of cattails (*Typha latifolia*, OBL), but this vegetation had been removed by the time of the April 2021 visit. We assume that a sub-surface seep/spring feeds the pond, maintaining water levels through the dry season.

Wetland map ID 5 appears to be where water originating from hillside seeps/springs in wetlands 1 and 2 continues to drain south of the pond to join another portion of the wetland mosaic on the neighboring parcel to the south, represented by wetland 6. The true extent and seasonality of wetland 6 is unknown due to lack of access. Wetland 6 was identified and characterized by visual observation of surface water and wetland indicator vegetation, such as grey rush and pacific rush (Juncus patens, FACW and Juncus effusus ssp. pacificus, FACW). The mosaic represented by wetland 6 also appears to be fed by additional seep/springs upslope on the neighboring parcel and (seasonally) the overflow culvert outlet draining the south side of the artificial pond. This mosaic drains east toward Wetland 7 and a second artificial pond which exists on the neighboring parcel to the south.

Wetland 7 is a perennially saturated wetland along the north and west side of the neighbor's pond. Only the very northernmost part of the perennial wetland could be accurately mapped, where it crossed the parcel boundary and fence line. This wetland was characterized by a high water table (Hydrology Indicator A2), soil saturation to surface (Hydrology Indicator A3), presence of Hydric Soil Indicator Redox Dark Surface (F6) and dominance by hydrophytic vegetation, Himalayan blackberry (FAC) and pennyroyal (OBL). Across the fence to the south, the vegetation rapidly transitioned to dominance by a robust sedge (*Carex* sp.) and a willow thicket (Salix spp.), with visible surface water, along the edge of the pond.

Wetland 8 (Figure 7) represents a seasonal wetland associated with the boundary of the perennial wetland 7. This wetland is problematic because the presence of a large pile of discarded potting soil made it difficult to investigate, and a compacted roadbed made it difficult to delineate the northern extent. We had to rely on a landform and vegetation transition to define the northern boundary. However, we feel reasonably confident the wetland does not extend further to the north than depicted. This area was characterized by the presence of Hydric Soil Indicator Redox Dark Surface (F6), dominance by pennyroyal (OBL), fiddle dock (*Rumex pulcher*, FAC) and Himalayan blackberry (FAC) and the hydrology indicators Geomorphic Position (D2) and the Fac Neutral Test (D5). Additionally, there was soil saturation in a layer from 6 to 12 inches above a clay layer, indicating the presence of a seasonal perched water table. The depth of this layer would have been 0-6 were it not for the presence of 6 inches of deposited potting soil material on the surface.

See Figures 4-7.

Aquatic Resources Delineation Report: Humboldt County APN 216-271-013-000

Figure 4. Wetland Delineation Overview

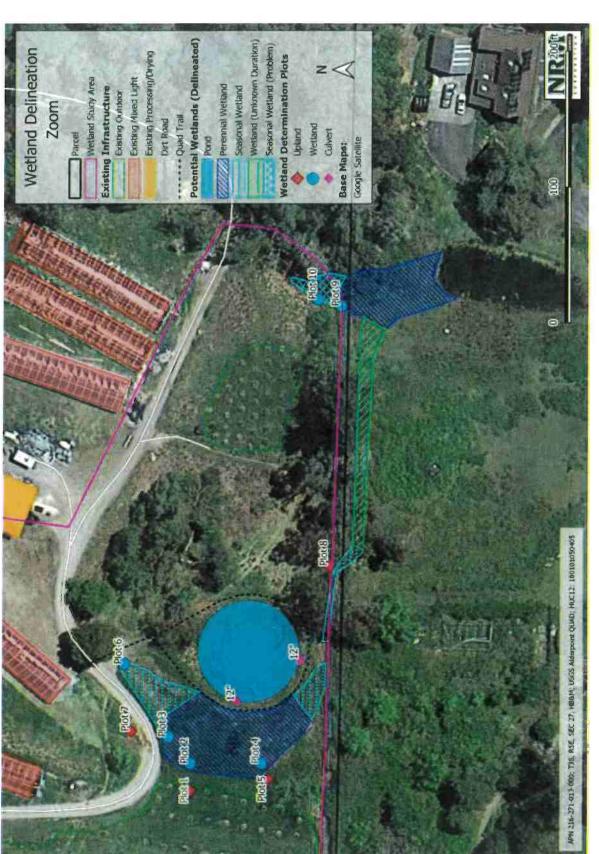


Figure 5. Wetland Delineation Map Zoom View.

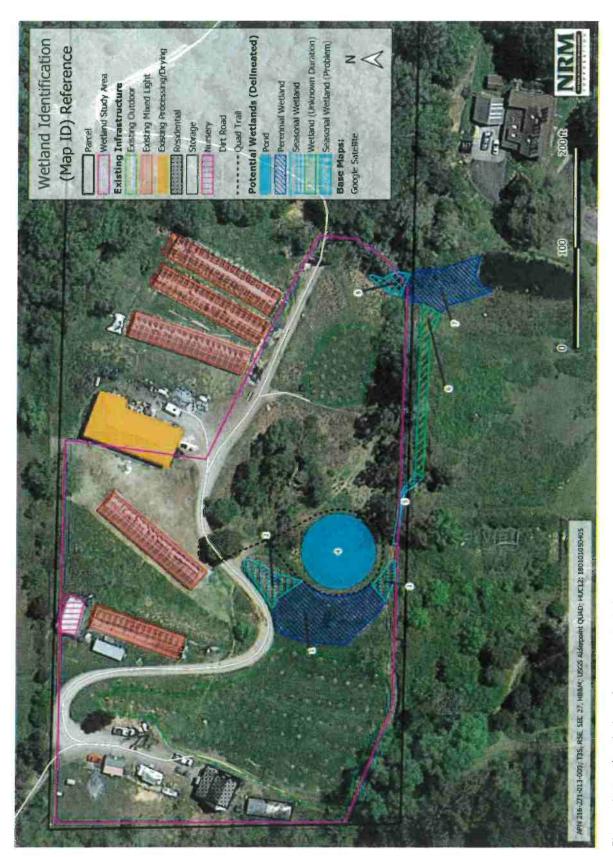


Figure 6. Wetland identification MapID) Reference Map.

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Figure 7. Wetland Protection Setbacks.

References Cited

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Appendix A: Photos



Photo 1. Looking east towards pond. September 2018.

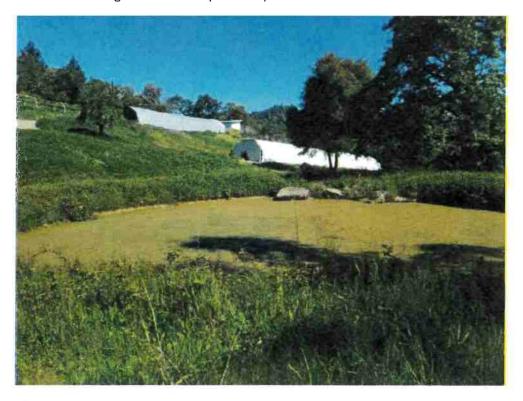


Photo 2. Looking northwest across pond. April 2021

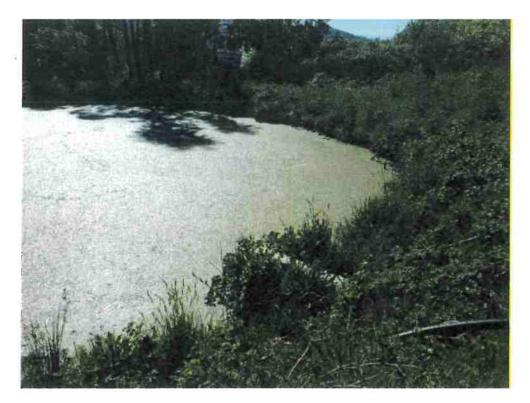


Photo 3. Looking south across pond inlet culvert. April 2021

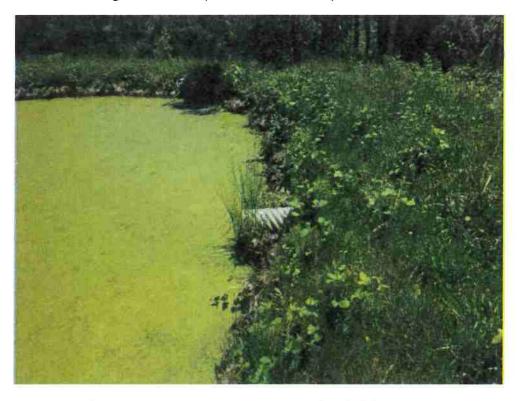


Photo 4. Looking east across pond outlet culvert. April 2021



Photo 5. Looking east at Plot 1. September 2018

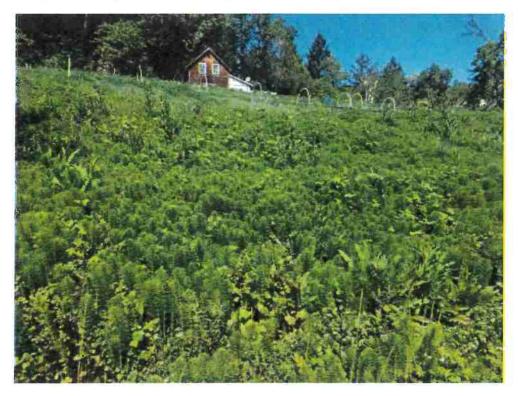


Photo 6. Looking west across wetlands 1, 2, 3. April 2021

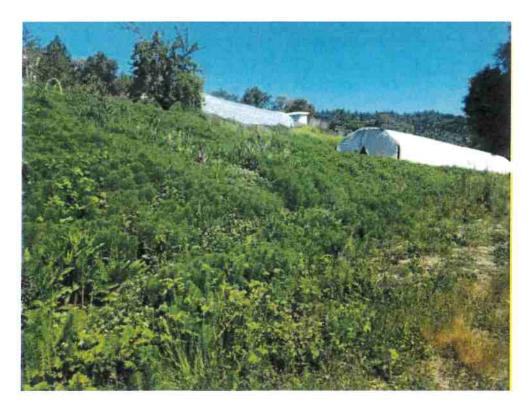


Photo 7. Looking north across Wetland 1 from pond berm. April 2021



Photo 8. Looking south towards wetlands 3 and 5. April 2021



Photo 9. Looking West towards Plot 6. April 2021



Photo 10. Looking west towards Plot 7, which is about 15 feet behind shovel. April 2021

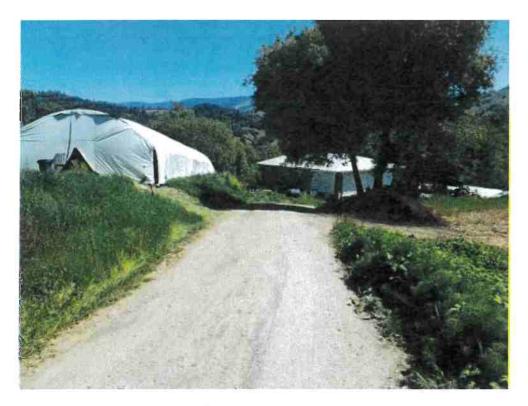


Photo 11. Looking east at road between wetland 2 and cultivation area. April 2021



Photo 12. Looking west at Wetland 5-6 transition. September 2018



Photo 13. Looking weast towards Plot 8, which is in trench. April 2021



Photo 14. Looking east at Plot 8 in trench, at shovel. April 2021



Photo 15. Looking south at Wetland 6 on neighboring parcel. September 2018



Photo 16. Looking south at Wetland 6 on neighboring parcel. September 2018



Photo 17. Looking south at Wetland 7. April 2021



Photo 18. Looking at Plot 9. April 2021

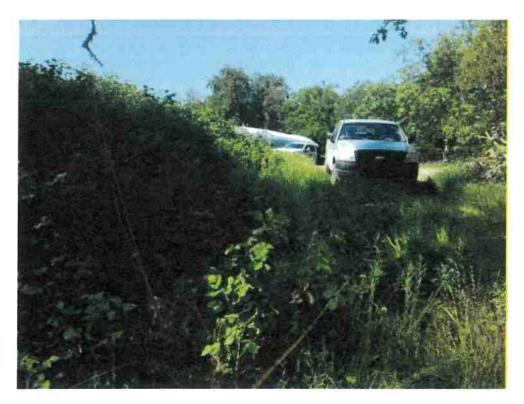


Photo 19. Looking north across Wetland 8. April 2021

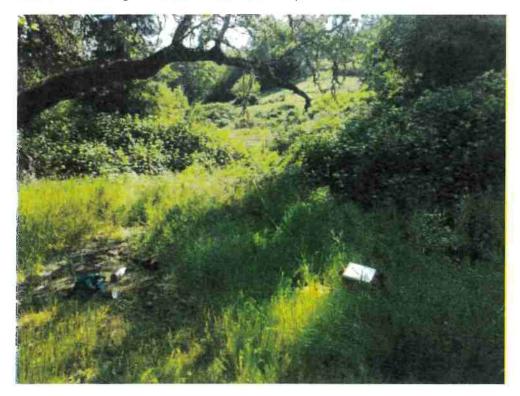
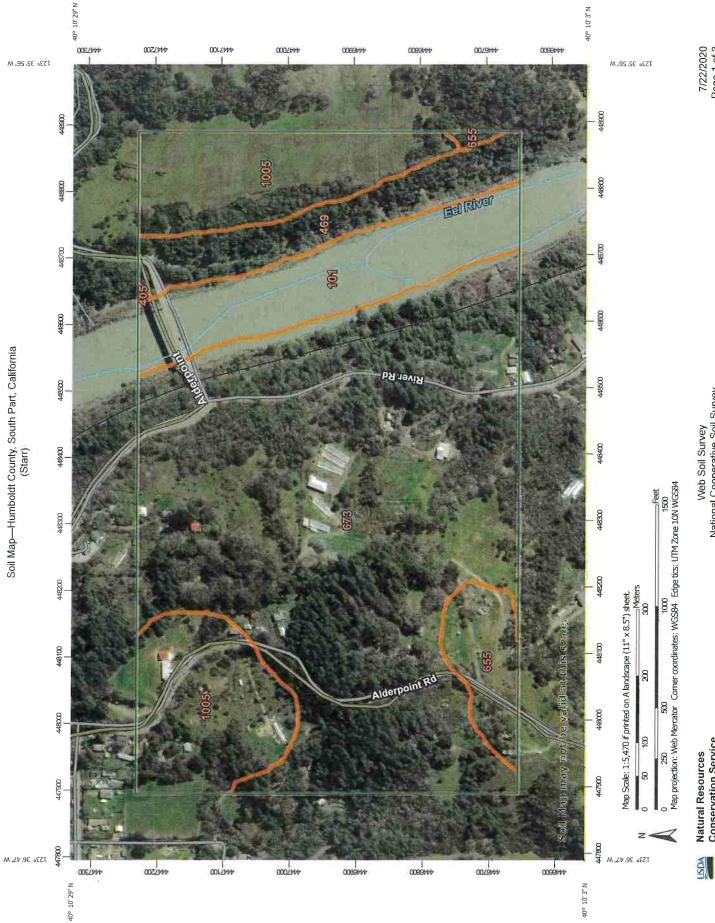


Photo 20. Looking south across Wetland 8 toward Wetland 7. April 2021

Appendix B: Natural Resources Conservation Service (NRCS) Web Soil Survey



Natural Resources Conservation Service

Web Soil Survey National Cooperative Soil Survey

MAP LEGEND

Spoil Area	Stony Spot	Very Stony Spot	Wet Spot	Other	Special Line Features	tures
W	0	8	\$	<	*	Water Features
Area of Interest (AOI)	Area of Interest (AUI)	Soil Man Unit Polynons	Soil Map Unit Lines	Soil Map Unit Points	Special Point Features	Blowout
Area of In	:	Soris	1		Special	(0)



X

Fransportation

Streams and Canals



Gravel Pit

Gravelly Spot





Marsh or swamp

-1

Lava Flow

Landfill

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Interstate Highways Major Roads US Routes Rails Ŧ

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000

Warning: Soil Map may not be valid at this scale.

contrasting soils that could have been shown at a more detailed misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of Enlargement of maps beyond the scale of mapping can cause scale,

Please rely on the bar scale on each map sheet for map measurements. Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Humboldt County, South Part, California Survey Area Data: Version 9, Jun 1, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Date(s) aerial images were photographed: Jul 30, 2014—Nov 6,

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Severely Eroded Spot

0

Slide or Slip

Sinkhole

000

Sodic Spot

Sandy Spot Saline Spot

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
101	Typic Udifluvents-Fluvents complex, 0 to 2 percent slopes	15.2	10.7%
405	Tannin-Wohly-Rockyglen complex, 30 to 50 percent slopes	0.1	0.1%
469	Tannin-Burgsblock-Rockyglen complex, 50 to 75 percent slopes	10.2	7.2%
655	Yorknorth-Witherell complex, 15 to 30 percent slopes	5.9	4.1%
673	Coolyork-Yorknorth complex, 30 to 50 percent slopes	84.2	59.1%
1005	Parkland, dry-Garberville, dry complex, 2 to 9 percent slopes	26.8	18.8%
Totals for Area of Interest		142.5	100.0%

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

Project/Site: APN 216-271-013-00	City/County:	Humbold.	Sampling Date: 9-17-17
Applicant/Owner: Kalifornia Green AKr	-62	Trible of Alberta	State: CA Sampling Point: 1-1627
Investigator(s): Claire Brown			
Landform (hillstope, terrace, etc.): hillstope			
Subrection (I RR): A	Lat: UD	7094056	Long: 123,60728102 Datum: NAD83
Soll Map Unit Name: 673 Coolyork Jorky			
Are climatic / hydrologic conditions on the site typical for the	s time of year? Y		
Are Vegetation, Soil, or Hydrology			'Normal Circumstances" present? YesNo
Are Vegetation Soil, or Hydrology	naturally problem	atio? (If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing san	npling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	X		page of the second of the seco
	X	Is the Sampled	d Area
	<u> </u>	A THE RESERVE AND A STREET AND	nd? Yes No
Remarks: point at very bottom of	Culturation	AME UPILO	pe of "wetter" of pond
	DCA COL	on Delinen	THAT I'M SEAMED ENGINEER OF THE
		SON ISCHINGS	110/\ 1
VEGETATION – Use scientific names of plar		· Water And Co	tantific temperatura (grand in
Tree Stratum (Plot size:		minant Indicator	Dominance Test worksheet:
1			Number of Dominant Spedes That Are OBL, FACW, or FAC: (A)
2.	-		Total Number of Dominant
3			Species Across All Strata: (B)
4			Percent of Dominant Species
Santia of Charles Of Santia (Diet sine)	= To	tal Cover	That Are OBL, FACW, or FAC: 50 (A/B)
Sapling/Shrub Stratum (Plot size:)			Prevalence Index worksheet:
2	21/	(1000 t) (1000 t)	Total % Cover of: Multiply by:
3.	***************************************	· · · · · · · · · · · · · · · · · · ·	OBL species Ox 1 =
4.		158704 5.1	FACW species x 2 =
5. 1 k 665 883 / x x 1 (300 2 - 302 =	Spans of a	en formeren s	FAC speciesx 3 =
and the same of th	= To	tal Cover	FACU speciesx 4 =
Herb Stratum (Plot size: M)	0.0	/ EALT	UPL speciesx 5 =
1. Equise in a venise	98	1 1/6	Column Totals:(A)(B)
2. latigus latifolia		V WL	Prevalence Index = 8/A =
3. <u>10 10</u>	<u>- 1612-30 (1612-172</u> - 1612 (1612-172)	Again Di	Hydrophytic Vegetation Indicators:
5. 1995 (1685 N 1917) (16	LIST WITH THE	in sey Test Mo	1 - Rapid Test for Hydrophytic Vegetation
6. A Registric man as to make a	har retreated	long States	2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0
7. The appoint a second of the	2-100	vit Massari (g. 4)	4 - Morphological Adaptations (Provide
8.		71:	supporting data in Remarks or on a separate
9.			sheet)
10.		19688917	5 - Wetland Non-Vascular Plants ¹
11.		over the trible	Problematic Hydrophylic Vegetation¹ (Explain)
Mandy Vine Stratum (Plat sing)	108 = Tot	al Cover	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: Im) 1. Rubus いいいい	10	Y FACU	The same of the surface of the same of the
2.	: <u> </u>	1/100	Hydrophytic
3	= Tot	al Cover	Vegetation
% Bare Ground in Herb Stratum		a, OUVGI	Present? YesNo _X
Remarks: Vegetation sampled investibility	Ad 110 1 4	out to	I water for the 11
moved recently	wayacks (L'I selle	C NY TO A TRUE MAR SERVE

Profile Des	cription: (Describe	to the dep	th need	ed to docun	nent the	indicator	or confir	m the a	bsence of	indicators.)	
Depth	Matrix				Features		. 7	8 211		_	
(inches)	Color (moist)	%		r (moist)	%	Type ¹	Loc²	Tex	ture	Rem	arks
9 - 10	7.5XR 4/4	97	7.57	1R5/8		<u>C</u>	PL	"Cla	yloan		
				11	2	_C_	\mathcal{M}				
							-	1			
1-22	7.5YR3/4	. 47	7-5	YP5/1	<u> </u>	<u>C</u>	<u>M</u>	(1)	ayloan		
			-					8			
	oncentration, D=Dep						d Sand G	rains.		n: PL=Pore Lin	
	Indicators: (Applic	able to all				ed.)		ır		or Problematic	Hydric Soils
Histosol		3		dy Redox (S				\ <u></u>		ıck (A10) ent Material (TF	:21
	pipedon (A2) istic (A3)			ped Matrix (ny Mucky Mi		\ (except	MIRA1)	, c		ent Material (17 allow Dark Surfa	•
	en Sulfide (A4)	15		ny Gleyed N			ment ()	=		xplain in Remar	
	d Below Dark Surface	∍ (A11)		eted Matrix		,		_			,
Thick Da	ark Surface (A12)	9	Red	ox Dark Surf	ace (F6)			3		f hydrophytic ve	
	Aucky Mineral (S1)			eted Dark S		7)				ydrology must b	•
	Gleyed Matrix (S4)		Redo	ox Depression	ons (F8)				unless dis	sturbed or proble	ematic.
	Layer (if present):										
Type:				•			15				\
		1	_	•		- 3-0	****	Hydr	ic Soil Pre	sent? Yes	NoX
Type: Depth (ind Remarks:	ches):	1	_				-	Hydr	ic Soil Pre	sent? Yes	NoX
Type: Depth (inc Remarks:	ches):	*						Hydr	ic Soil Pre	sent? Yes _	NoX
Type: Depth (ind Remarks: YDROLO Vetland Hyd	ches):	ne required	: check a					Hydr		sent? Yes	
Type: Depth (inc Remarks: YDROLO Vetland Hyd rimary Indic	ches):	ne required				es (B9) (ex	cept	Hydr	Secondary		r more require
Type: Depth (inc Remarks: YDROLO Vetland Hyd rimary Indic _Surface	oches):	ne required		Il that apply)	ed Leave		cept	Hydr	Secondary Water	y indicators (2 or	r more require
Type: Depth (inc Remarks: YDROLO Vetland Hyd rimary Indic _Surface	ches):	ne required		II that apply) Water-Stain	ed Leave , 2, 4A, a		cept	Hydr	Secondarı Water 4A	v indicators (2 or -Stained Leaves , and 4B) age Patterns (B1	r more required (B9) (MLRA
Type: Depth (ind Remarks: YDROLO Vetland Hyd Inimary IndicSurfaceHigh WaSaturaticWater M	order (A1) ster Table (A2) on (A3) larks (B1)	ne required	_	II that apply) Water-Stain MLRA 1 Salt Crust (E Aquatic (nve	ed Leave , 2, 4A, a 311) ertebrates	nd 4B)	cept	Hydr	Secondary Water 4A Draina	v indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta	r more required s (B9) (MLRA :
Type: Depth (ind Remarks: YDROLO Vetland Hyd rimary IndicSurfaceHigh WaSaturaticWater MSedimen	drology Indicators: cators (minimum of or Water (A1) ster Table (A2) on (A3) larks (B1)	ne required		II that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S	ed Leave , 2, 4A, a : 311) ertebrates ulfide Od	(B13) for (C1)			Secondarı Water 4A Draina Dry-Sa	y indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A	r more requires s (B9) (MLRA 1 10) ble (C2) Aerial Imagery
Type: Depth (ind Remarks: YDROLO Vetland Hyd Inimary IndiceSurfaceHigh WaSaturatioWater MSedimenDrift Dep	drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3)	ne required		II that apply) Water-Stain MLRA 1 Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rhiz	ed Leave , 2, 4A, a 311) ertebrates ulfide Od zosphere	nd 4B) (B13) for (C1) s along Liv	ing Roots		Secondary Water 4A Draina Dry-Satura Geon	y indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A norphic Position	r more required s (B9) (MLRA 1 10) ble (C2) Aerial Imagery (D2)
Type: Depth (ind Remarks: YDROLO Vetland Hyd rimary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Algal Ma	drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4)	ne required		II that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rhiz Presence of	ed Leave , 2, 4A, a 311) ertebrates ulfide Od zospheres	or (B13) for (C1) s along Liv d Iron (C4)	ing Roots	s (C3)	Secondary Water 4A Draina Dry-Sa Satura Geon Shallo	y indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A norphic Position w Aquitard (D3)	r more required s (B9) (MLRA 1 10) ble (C2) Aerial Imagery (D2)
Type: Depth (ind Remarks: YDROLO Vetland Hyd Primary Indic High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep	drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) losits (B5)	ne required		II that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S Dxidized Rhiz Presence of Recent Iron	ed Leave , 2, 4A, at 311) entebrates ulfide Od cospheres Reduced	s (B13) for (C1) s along Liv d Iron (C4) in in Tilled	ing Roots Soils (C6	s (C3)	Secondary Water 4A Draina Dry-Si Satura Geon Shallo	y Indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A norphic Position w Aquitard (D3) Neutral Test (D5	r more required 6 (B9) (MLRA 1 10) ble (C2) Aerial Imagery (D2)
Type: Depth (ind Remarks: YDROLO Vetland Hyd rimary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Surface	drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) losits (B5) Soil Cracks (B6)			II that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S Dxidized Rhiz Presence of Recent Iron Stunted or S	ed Leave , 2, 4A, a B11) entebrates ulfide Od zospheres Reduced Reductio	ind 4B) is (B13) for (C1) is along Liv d Iron (C4) in in Tilled Plants (D1)	ing Roots Soils (C6	s (C3)	Secondary Water 4A Draina Dry-Sa Satura Geon Shallo FAC-	y indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A norphic Position w Aquitard (D3) Neutral Test (D5 d Ant Mounds (D	r more required s (B9) (MLRA 10) ble (C2) Aerial Imagery (D2) 5)
Type:	drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) darks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) cosits (B5) Soil Cracks (B6) on Visible on Aerial In	nagery (B7		II that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S Dxidized Rhiz Presence of Recent Iron	ed Leave , 2, 4A, a B11) entebrates ulfide Od zospheres Reduced Reductio	ind 4B) is (B13) for (C1) is along Liv d Iron (C4) in in Tilled Plants (D1)	ing Roots Soils (C6	s (C3)	Secondary Water 4A Draina Dry-Sa Satura Geon Shallo FAC-	y Indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A norphic Position w Aquitard (D3) Neutral Test (D5	r more required s (B9) (MLRA 10) ble (C2) Aerial Imagery (D2) 5)
Type: Depth (ind Remarks: YDROLO Vetland Hyd Inimary Indic Surface High Wa Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep Surface : Inundatio Sparsely	drology Indicators: cators (minimum of or Water (A1) ster Table (A2) on (A3) larks (B1) nt Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial In	nagery (B7		II that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S Dxidized Rhiz Presence of Recent Iron Stunted or S	ed Leave , 2, 4A, a B11) entebrates ulfide Od zospheres Reduced Reductio	ind 4B) is (B13) for (C1) is along Liv d Iron (C4) in in Tilled Plants (D1)	ing Roots Soils (C6	s (C3)	Secondary Water 4A Draina Dry-Sa Satura Geon Shallo FAC-	y indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A norphic Position w Aquitard (D3) Neutral Test (D5 d Ant Mounds (D	r more required s (B9) (MLRA 10) ble (C2) Aerial Imagery (D2) 5)
Type:	drology Indicators: cators (minimum of or Water (A1) ster Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial In v Vegetated Concave vations:	nagery (B7 Surface (B		II that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S Dxidized Rhiz Presence of Recent Iron Stunted or S Other (Expla	ed Leave , 2, 4A, a 311) ertebrates ulfide Od zosphere: Reduced Reductio Stressed F	nd 4B) (B13) or (C1) s along Liv d Iron (C4) in in Tilled Plants (D1 marks)	ing Roots Soils (C6) (LRR A)	s (C3)	Secondary Water 4A Draina Dry-Sa Satura Geon Shallo FAC-	y indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A norphic Position w Aquitard (D3) Neutral Test (D5 d Ant Mounds (D	r more required s (B9) (MLRA 10) ble (C2) Aerial Imagery (D2) 5)
Type: Depth (income line) Permarks: YDROLO Vetland Hydrimary Indicome line Saturaticome line Algal Ma Iron Dep Surface line Inundaticome line Sparsely ield Observantace Water Water Marcome line Sparsely ield Observantace Water Marcome line	drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) cosits (B5) Soil Cracks (B6) on Visible on Aerial In a Vegetated Concave vations: er Present?	nagery (B7 Surface (B		Il that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S oxidized Rhiz Presence of Recent Iron Stunted or S Other (Expla	ed Leave , 2, 4A, a 311) artebrates ulfide Od zosphere: Reduceo Reductio Stressed F ain in Ren	nd 4B) s (B13) or (C1) s along Liv d Iron (C4) in in Tilled Plants (D1 narks)	ing Roots Soils (C6) (LRR A)	s (C3)	Secondary Water 4A Draina Dry-Sa Satura Geon Shallo FAC- Raisee	y indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A norphic Position w Aquitard (D3) Neutral Test (D5 d Ant Mounds (E Heave Hummoc	r more required s (B9) (MLRA 1 10) ble (C2) Aerial Imagery (D2) 5) 06) (LRR A) ks (D7)
Type:	drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) on Deposits (B2) osits (B3) at or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial In vegetated Concave vations: er Present? Yes	nagery (B7 Surface (B esNo		Il that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rhiz Presence of Recent Iron Stunted or S Other (Expla	ed Leavee, 2, 4A, a 311) Intebrates ulfide Od zosphere: Reduced Reductio Stressed Fain in Rerunes):	nd 4B) s (B13) or (C1) s along Liv d Iron (C4) n in Tilled Plants (D1 narks)	ing Roots Soils (C6) (LRR A)	s (C3)	Secondary Water 4A Draina Dry-Sa Satura Geon Shallo FAC- Raisee	y indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A norphic Position w Aquitard (D3) Neutral Test (D5 d Ant Mounds (E Heave Hummoc	r more required s (B9) (MLRA 1 10) ble (C2) Aerial Imagery (D2) 5) 06) (LRR A) ks (D7)
Type:	ches):	nagery (B7 Surface (B esNo esNo		Il that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rhiz Presence of Recent Iron Stunted or S Other (Explain Depth (inch Depth (inch	ed Leavee, 2, 4A, a 311) ertebrates ulfide Od zosphere: Reduceo Reductio Stressed Fain in Rer	nd 4B) s (B13) sor (C1) s along Liv d Iron (C4) in in Tilled Plants (D1 narks)	Soils (C6) (LRR A)	s (C3)	Secondary Water 4A Draina Dry-Satura Geon Shallo FAC- Raisea Frost-	y indicators (2 or -Stained Leaves , and 4B) age Patterns (B1 eason Water Ta ation Visible on A norphic Position w Aquitard (D3) Neutral Test (D5 d Ant Mounds (D	r more required s (B9) (MLRA 1 10) ble (C2) Aerial Imagery (D2) 5) 06) (LRR A) ks (D7)
Type:	ches):	nagery (B7 Surface (B esNo esNo gauge, mor		Il that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S Dxidized Rhiz Presence of Recent Iron Stunted or S Other (Explain Depth (inch Depth (inch Depth (inch	ed Leavee , 2, 4A, a 311) Intebrates ulfide Od zosphere: Reduceo Reductio Stressed F ain in Rer nes): nes): nes): notos, pre	nd 4B) s (B13) or (C1) s along Liv d Iron (C4) n in Tilled Plants (D1 narks)	Soils (C6) (LRR A) Wetla	s (C3)	Secondary Water 4A Draina Dry-Si Satura Geon Shallo FAC- Raised Frost-	y indicators (2 or -Stained Leaves, and 4B) age Patterns (B1 eason Water Ta ation Visible on Anorphic Position w Aquitard (D3) Neutral Test (D5 d Ant Mounds (EHeave Hummoc	r more required s (B9) (MLRA 1 10) ble (C2) Aerial Imagery (D2) 5) 06) (LRR A) ks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region 216-271-013-00 Applicant/Owner: Kalifornia Green Akres Sampling Point: Claire Brown Investigator(s): _ Section, Township, Range; _ Landform (hillslope, terrace, etc.): Willslope Local relief (concave, convex, none): Con Cave Slope (%): Lat: 40.17094049 Long: -123,60721126 Subregion (LRR): Datum: NAD 83 Coolyerk - Yorknorth NWI classification: Soll Map Unit Name: ___ Are climatic / hydrologic conditions on the site typical for this time of year? Yes ___X__ No _____ (If no, explain in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X __ No Is the Sampled Area Yes X Hydric Soil Present? No within a Wetland? Yes X No. Wetland Hydrology Present? ownibed of VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet; Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: Total % Cover of: **OBL** species **FACW** species FAC species **FACU** species = Total Cover **UPL** species Herb Stratum (Plot size: Column Totals: Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test Is >50% 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size: Hydrophytic Vegetation Yes X__ No____ Present? = Total Cover % Bare Ground in Herb Stratum

Remarks:

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٠,	e	w	6500	
	6	7	10.4	
	51	١ĸ	5.44.5	

Profile Desc Depth (Inches)	ription: (Describe to t		100		79.0		Sampling Point:
		the depth needed to do	cument the li	idicator	or confirm	the absence	
(Inches)	Matrix		ledox Features				~
<u>U-16</u>	Color (moist)	% Color (molst)	%	Type ¹	Loc2	<u>Texture</u>	Remarks
	7518 7/1	10 K 10		C	PL.	Sandi	
77.12			4	_C_	\mathcal{M}_{-}	_clost	loam
201	1542 3/1	7.57R 1/16	, 3	C	A-	1. 1	
7	110 110	1000	- 4		A.A.	V	
Hydric Soil I	, ,	on, RM=Reduced Matrix e to all LRRs, unless o Sandy Redo Stripped Ma	therwise note ox (S5)	or Coate	d Sand Gr	Indicate 2 cr	cation: PL=Pore Lining, M=Matrix. ors for Problematic Hydric Soils ³ : m Muck (A10) d Parent Material (TF2)
Black His	olpedon (A2)		ky Mineral (F1) (evcent	MIRA 1		y Shailow Dark Surface (TF12)
_	en Sulfide (A4)		ed Matrix (F2)		illerion 1)		er (Explain in Remarks)
	d Below Dark Surface (A					-	
	ark Surface (A12)	X Redox Dark	Surface (F6)				ors of hydrophytic vegetation and
	lucky Mineral (S1)		ark Surface (F	7)			nd hydrology must be present,
	Bleyed Matrix (S4)	Redox Depr	ressions (F8)			unles	s disturbed or problematic.
Restrictive L	_ayer (If present):						
Туре:							· · · · · · · · · · · · · · · · · · ·
Depth (inc	ches):					Hydric Soil	Present? Yes X No No
		Matrix chan					
YDROLO	GY						
Wetland Hyd	drology Indicators:						
	ators (minimum of one	required; check all that a	apply)			Seco	ndary Indicators (2 or more required)
	Water (A1)		Stained Leave	s (B9) (e	xcept	v	Vater-Stained Leaves (B9) (MLRA 1, 2,
	iter Table (A2)		RA 1, 2, 4A, ar				4A, and 4B)
			ust (B11)			0	rainage Patterns (B10)
High Wat		Aquation	c Invertebrates	(B13)		V	ry-Season Water Table (C2)
High Wat	arks (B1)					<u> 4</u> L	Ty-Caason Water Table (CL)
High Wat Saturatio Water Ma			en Sulfide Ode				
High Wat Saturatio Water Ma Sediment	nt Deposits (B2)	Hydrog	gen Sulfide Ode	or (C1)	Living Roo	S	
High Wat Saturatio Water Ma Sediment Drift Dep		Hydrog X Oxidize	gen Sulfide Ode	or (C1) es along		S ts (C3) G	aturation Visible on Aerlal Imagery (C9
High Waf Saturatio Water Ma Sediment Drift Depo	nt Deposits (B2) posits (B3) nt or Crust (B4)	— Hydrog ★ Oxidize ★ Presen	gen Sulfide Ode ed Rhizosphere	or (C1) es along I Iron (C4)	S ts (C3) S S	aturation Visible on Aerlal Imagery (C9 Seomorphic Position (D2)
High Waf Saturatio Water Ma Sediment Drift Depo	nt Deposits (B2) posits (B3)	Hydrog X Oxidize X Presen Recent	gen Sulfide Ode ed Rhizosphere nce of Reduced	or (C1) es along I Iron (C4 n In Tille	i) d Soils (C6	S ts (C3) S S) F	aturation Visible on Aerial Imagery (C9 Seomorphic Position (D2) shallow Aquitard (D3)
High Wai Saturatio Water Ma Sediment Drift Depo Algal Mai Iron Depo Surface S	nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	— Hydrog X Oxidize X Presen — Recent — Stunted	gen Sulfide Ode ed Rhizosphere nce of Reduced t Iron Reductlo	or (C1) es along i Iron (C4 n In Tilled Plants (D	i) d Soils (C6	S ts (C3) S S) F	aturation Visible on Aerial Imagery (C9 Seomorphic Position (D2) Shallow Aquitard (D3) AC-Neutral Test (D5)
High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Depa Surface S Inundatio	nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	Hydrog X Oxidize X Presen — Recent — Stunted gery (B7) — Other (gen Sulfide Odo ed Rhizosphero nce of Reduced t Iron Reductlo d or Stressed F	or (C1) es along i Iron (C4 n In Tilled Plants (D	i) d Soils (C6	S ts (C3) S S) F	aturation Visible on Aerial Imagery (C9 Seomorphic Position (D2) Shallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A)
High Wai Saturatio Water Ma Sedimeni Drift Depo Algal Mai Iron Depo Surface S Inundatio Sparsely	nt Deposits (B2) posits (B3) nt or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Imag	Hydrog X Oxidize X Presen — Recent — Stunted gery (B7) — Other (gen Sulfide Odo ed Rhizosphero nce of Reduced t Iron Reductlo d or Stressed F	or (C1) es along i Iron (C4 n In Tilled Plants (D	i) d Soils (C6	S ts (C3) S S) F	aturation Visible on Aerial Imagery (C9 Seomorphic Position (D2) shallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A)
High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Depa Surface S Inundatio Sparsely Field Observ	nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Imag v Vegetated Concave Su vations: er Present? Yes	Hydrog Oxidize Present Recent Stunter Other (urface (B8)	gen Sulfide Odd ed Rhizospherd noe of Reduced t Iron Reductio d or Stressed F (Explain in Ren (inches):	or (C1) es along I Iron (C4 n in Tilled Plants (D narks)	d Soils (C6 1) (LRR A)	S ts (C3) S S) F	aturation Visible on Aerial Imagery (C9 Seomorphic Position (D2) shallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A)
High Water May Sediment Drift Depo Algal Mater Surface Surface Surface Surface Surface Surface Surface Water Material Control	nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Imag v Vegetated Concave Su vations: er Present? Yes	Hydrog Oxidize Present Recent Stunter Other (urface (B8)	gen Sulfide Odd ed Rhizospherd noe of Reduced t Iron Reductio d or Stressed F (Explain in Ren (inches):	or (C1) es along I Iron (C4 n in Tilled Plants (D narks)	d Soils (C6 1) (LRR A)	ts (C3) S S) F F	taturation Visible on Aerial Imagery (C9 Seomorphic Position (D2) challow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
High Water May Saturation Water May Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Field Observ Surface Water Water Table F Saturation Pre	nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Image v Vegetated Concave Suvations: er Present? Present? Yes Present? Yes	Hydrog Oxidize Present Recent Stunted gery (B7) Other (gen Sulfide Odded Rhizosphere of Reduced tiron Reduction dor Stressed F(Explain in Renuction (inches):	or (C1) es along I Iron (C4 n in Tilled Plants (D narks)	d Soils (C6 1) (LRR A)	ts (C3) S S) F F	aturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) AC-Neutral Test (D5) Staised Ant Mounds (D6) (LRR A)
High Water May Sediment Drift Depo Algal Mater Tron Depo Surface Sediment Sparsely Field Observ Surface Water Table Football Saturation Profile Cludes capillation Staturation Profile Cludes capillation Saturation Profile Saturation Profile Saturation Profile Saturation Profile Saturation Staturation Profile Saturation Profile Saturation Profile Saturation Saturation Staturation Saturation Satu	nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Image v Vegetated Concave Suvations: er Present? Present? Yes Present? Yes	Hydrog	gen Sulfide Ode ed Rhizosphere nee of Reduced t Iron Reductlo d or Stressed F (Explain in Ren (Inches): (Inches):	or (C1) es along il Iron (C4 n in Tille Plants (D narks)	t) 1 Soils (C6 1) (LRR A) Wetla	ts (C3) S S F F	taturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) AC-Neutral Test (D5) Staised Ant Mounds (D6) (LRR A) Trost-Heave Hummocks (D7)
High Water May Sediment Drift Depo Algal Mater Tron Depo Surface Sediment Sparsely Field Observ Surface Water Table Football Saturation Profile Cludes capillation Staturation Profile Cludes capillation Saturation Profile Saturation Profile Saturation Profile Saturation Profile Saturation Staturation Profile Saturation Profile Saturation Profile Saturation Saturation Staturation Saturation Satu	nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Image vegetated Concave Su vations: er Present? Yes	Hydrog	gen Sulfide Odded Rhizosphero noe of Reduced t Iron Reductio d or Stressed F (Explain in Ren (Inches): (Inches):	or (C1) es along il Iron (C4 n in Tille Plants (D narks)	t) 1 Soils (C6 1) (LRR A) Wetla	ts (C3) S S F F	taturation Visible on Aerial Imagery (C9 Seomorphic Position (D2) challow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)

WETLAND DETERMINATION	DATA FORM - Western Mo	ountains, Valleys, and Coast Region
Project/Site: APN 216-271-013-6		CALL LANGE OF THE COLUMN COLUM
Applicant/Owner: KALIFOTAIA Green AK	The Control of the Co	mater of the control
		State: Sampling Point: Sampling Point Poin
Investigator(s): ClairC Brown	Section, Township, F	Range:
Landform (hillstope, terrace, etc.): Willstope.		
Subregion (LRR):		Long: -123 , 607 14074 Datum: NA 08
Soll Map Unit Name: 673		NWI classification: R 508F
Are climatic / hydrologic conditions on the site typical fo		(If no, explain in Remarks.)
Are Vegetation $ extstyle extstyle$	significantly disturbed? Ar	e "Normal Circumstances" present? Yes X No
Are Vegetation, Soll, or Hydrology	naturally problematic? (If	needed, explain any answers in Remarks.)
_	7</th <th>locations, transects, important features, etc.</th>	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	ACRES OF THE PROPERTY OF THE P	AND THE RESERVE OF THE PARTY OF
Hydric Soll Present?	No Is the Sampl	ed Area
Wetland Hydrology Present? Yes X	No within a Wet	land? Yes No
Remarks: Point almosts, o-1		1
LOWY WORD CARE	and the transfer of the We	
	×	ero A. J. – ele morrer e Tagazolia
VEGETATION – Use scientific names of p	lants.	Indignal Annual State Communication
STATE OF THE PERSON NAMED IN	Absolute Dominant Indicato	
Tree Stratum (Plot size:)	% Cover Species? Status	- Number of Dominant Species
1		That Are OBL, FACW, or FAC:
2		Total Number of Dominant
4.		Species Across All Strata: (B)
T	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size:)		THE THE SELECTION OF THE PARTY
1.		Prevalence Index worksheet: Total % Cover of: Multiply by:
2		OBL species x 1 =
		FACW species x2=
4. AND ARESTONES, P. AND OR ADDRESS OF THE		FAC species x 3 =
5.		FACU species x 4 =
Herb Stratum (Plot size;	= Total Cover	UPL species x 5 =
1. Fauischum acverse	9D Y FAC	Column Totals:(A)(B)
2. A STANDARD AND A STANDARD A STANDARD AND A STAND	SERVICE CONTROL OF THE	Prevalence Index = B/A =
3. Alter Nour Di Harcanet (Circus)	anteres entre e escellent de s	Hydrophytic Vegetation Indicators:
4. *CONTRACTOR NO	a't men red cure	1 - Rapid Test for Hydrophytic Vegetation
5. <u>13. 1900 Pr. 1003 P.</u>	I series a subsect of the	X2 - Dominance Test is >50%
6. শ্রেষ্ঠ প্রত্যালয় বিশ্বস্থান	F to sake the April 2 years	3 - Prevalence Index is ≤3,01
7.	eth urbine to that	4 - Morphological Adaptations (Provide supporting
8		data in Remarks or on a separate sheet)
9		5 - Wetland Non-Vascular Plants
10		Problematic Hydrophytic Vegetation ¹ (Explain)
11.		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 1)	= Total Cover	are presently activate distributed of problemate.
1. Rubus acmeniacus	20 Y FAC	En et al. and an en et al. and an en et al.
2		Vanotation
		- I X
Δ	= Total Cover	Present? Yes No
% Bare Ground in Herb Stratum	= Total Cover	Present? Yes No

Profile Description:	(Describe t	o the de	pth needed to docur	nent the	indicator	or confirm	n the absence of indicators.)
Depth	Matrix			x Feature			,
	or (moist)	%	Color (moist)	%	Type ¹	_Loc2	Texture Remarks
0-5 7.5	YR 3/2	98	7.548518	2	C	to T	saduction
						14	W. Santa
75	10 111.	0.5	-1 F 40 5 la		63	PL	Clade
2-10 1.50		85	7.5485/8	3	- two		Clayloan
			×	10		M	
					360	C2-1-1122-0	a contract to the second
**************************************			48-1444				
			08			•	
		-		A. Carrie		1	the second secon
Type: C=Concentra	tion, D=Depl	etion, RM	f=Reduced Matrix, CS	S=Covere	ed or Coate	d Sand G	
5 4 5 4 A 1 5 5 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	rs: (Applica	ible to al	l LRRs, unless other		ted.}		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	47		Sandy Redox (S				2 cm Muck (A10)
Histig Epipedon			Stripped Matrix		41.6	411 m 4 4)	Red Parent Material (TF2)
Black Histic (A3)			Loamy Mucky N			(MLRA 1)	
Hydrogen Sulfide		(844)	Loamy Gleyed I Depleted Matrix		2)		Other (Explain in Remarks)
Depleted Below Thick Dark Surfa		(ATT)	Redox Dark Sui		1		³ Indicators of hydrophytic vegetation and
Sandy Mucky Mi			Depleted Dark S	-	•		wetland hydrology must be present,
Sandy Gleyed M			Redox Depress				unless disturbed or problematic.
Restrictive Layer (if							
Type							N. e
Type: Depth (Inches): _ Remarks: 🌇 🔥	rix chn	nges ei	olor mp. Abo				Hydric Soil Present? Yes No
Depth (Inches): _ Remarks: ካሉ ሉት	in cha	nges en	olor rapidly	11			Hydric Soil Present? Yes No
Depth (Inches): _	in cha	nges (1	olor rapidly	11			Hydric Soil Present? Yes No
Depth (Inches): _ Remarks: ካሉ ሉት	Ď.	nges ei	olor rapidly	10		§*	
Depth (Inches): Remarks: WAA YDROLOGY Wetland Hydrology	Indicators:		olor ya pala)) (1)		ã*	Secondary Indicators (2 or more required)
Depth (Inches): Remarks: WAA YDROLOGY Wetland Hydrology	Indicators:		ed; check all that apply	ned Leav		xcept	
Depth (Inches): Remarks: WAAA YDROLOGY Wetland Hydrology Primary Indicators (in	Indicators: ninimum of or		ed; check all that apply			xcept	Secondary Indicators (2 or more required)
Depth (Inches): Remarks: WAAA YDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A High Water Table	Indicators: ninimum of or		od; check all that apply Water-Stai MLRA	ned Leav 1, 2, 4A, (B11)	and 4B)	xcept	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
Depth (Inches): Remarks: WAAA YDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A High Water Table	Indicators: ninimum of or A1) e (A2)		nd; check all that apply Water-Stal MLRA	ned Leav 1, 2, 4A, (B11)	and 4B)	xcept	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
Depth (Inches): Remarks: WAA YDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A High Water Table X Saturation (A3)	Indicators: ninimum of or A1) 9 (A2)		od; check all that apply Water-Stal MLRA Salt Crust Aquatic Inv	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O	and 4B) es (B13) edor (C1)		Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5)
Depth (Inches):	Indicators: ninimum of or A1) e (A2)) its (B2)		od; check all that apply Water-Stal MLRA Salt Crust Aquatic Inv	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O	and 4B) es (B13) edor (C1)		Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Depth (Inches):	Indicators: ninimum of or A1) p (A2)) its (B2)		od; check all that apply Water-Stal MLRA Salt Crust Aquatic Inv	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O	and 4B) as (B13) dor (C1) ares along	Living Roc	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5)
Prince Water (A) Saturation (A3) Water Marks (B1) Sadiment Deposits (B2)	Indicators: ninimum of or A1) p (A2)) ilts (B2) 3) st (B4)		ed; check all that apply Water-Stal MLRA Salt Crust Aquatic Inv Hydrogen S	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce	and 4B) as (B13) dor (C1) ares along ed Iron (C4	Living Roc	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Principle (Inches): Remarks: Property (Inches): Principle (Inches): P	Indicators: ninimum of or A1) p (A2)) ilts (B2) 3) st (B4) 5)		od; check all that apply Water-Stal MLRA Salt Crust Aquatic Inv Hydrogen X Oxidized R	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct	and 4B) es (B13) edor (C1) eres along ed Iron (C4) ion in Tilleo	Living Roc i) d Solls (C6	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C8) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Principle (Inches):	Indicators: ninimum of or A1) p (A2)) ilts (B2) 3) st (B4) 5) cks (B6)	ne require	d; check all that apply Water-Stal MLRA Salt Crust Aquatic Inv Hydrogen s Oxidized R Presence c Recent Irot Stunted or	ned Leavente, 2, 4A, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	and 4B) as (B13) dor (C1) eres along ed Iron (C4) ion in Tilled I Plants (D	Living Roc i) d Solls (C6	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C8) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Principle (Inches): Remarks: YAAA YDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A High Water Table X Saturation (A3) Water Marks (B1 Sediment Depose Drift Deposits (B Algal Mat or Cru- Iron Deposits (B: Surface Soll Cra	Indicators: ninimum of or A1) p (A2)) ilts (B2) 3) st (B4) 5) cks (B6) e on Aerial In	ne require	d; check all that apply Water-Stal MLRA Salt Crust Aquatic Inv Hydrogen S X Oxidized R X Presence c Recent Iron Stunted or Other (Exp	ned Leavente, 2, 4A, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	and 4B) as (B13) dor (C1) eres along ed Iron (C4) ion in Tilled I Plants (D	Living Roc i) d Solls (C6	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C8) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (Inches): Remarks: WA AA YDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A High Water Tably Saturation (A3) Water Marks (B1 Sediment Deposits (B1 Algal Mat or Cruilling Deposits (B2 Surface Soll Crail Inundation Visibly Sparsely Vegeta	Indicators: ninimum of or A1) p (A2) ilts (B2) 3) st (B4) 5) cks (B6) e on Aerial Inted Concave	ne require	d; check all that apply Water-Stal MLRA Salt Crust Aquatic Inv Hydrogen S X Oxidized R X Presence c Recent Iron Stunted or Other (Exp	ned Leavente, 2, 4A, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	and 4B) as (B13) dor (C1) eres along ed Iron (C4) ion in Tilled I Plants (D	Living Roc i) d Solls (C6	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C8) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Peptif (Inches): Remarks: YDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposits (B1 Algal Mat or Cruellion Deposits (B2 Surface Soll Craelinundation Visible	Indicators: ninimum of or A1) p (A2)) ilts (B2) 3) st (B4) 5) cks (B6) e on Aerial Inted Concave	ne require	Mater-Stal Water-Stal MLRA Salt Crust Aquatic Inv Hydrogen X Oxidized R Presence of Recent Iron Stunted or Other (Exp	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct on Reduct Stressed	and 4B) as (B13) ador (C1) ares along and Iron (C4) and In Tilled I Plants (Diemarks)	Living Roc i) d Solls (C6 1) (LRR A	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C8) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (Inches): Remarks: POROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A High Water Tabl) Saturation (A3) Water Marks (B1 Sediment Deposits (B1 Sediment Deposits (B1 Iron Deposits (B2 Surface Soil Cra Inundation Visibl Sparsely Vegeta Field Observations: Surface Water Prese	Indicators: ninimum of or A1) p (A2)) ilts (B2) 3) st (B4) 5) cks (B6) e on Aerial Inted Concave	ne require	Mater-Stal Water-Stal MLRA Salt Crust Aquatic Inv Hydrogen X Oxidized R Presence of Recent Iron Stunted or Other (Exp	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct on Reduct Stressed	and 4B) as (B13) ador (C1) ares along and Iron (C4) and In Tilled I Plants (Diemarks)	Living Roc i) d Solls (C6 1) (LRR A	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C8) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (Inches): Remarks: WA AA PVDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A) High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits (B1) Sediment Deposits (B2) Iron Deposits (B3) Surface Soil Craelinundation Visible Sparsely Vegeta Field Observations: Surface Water Present	Indicators: ninimum of or A1) p (A2)) its (B2) 3) st (B4) 5) cks (B6) te on Aerial Inted Concave nt? Ye ?	nagery (B Surface (Mater-Stai MLRA Salt Crust Aquatle Inv. Hydrogen X Oxidized R Presence of Recent Iron Stunted or Other (Exp. No Depth (Inc.)	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduction Stressed Idain in Research	and 4B) es (B13) edor (C1) eres along ed Iron (C4) ion in Tilled I Plants (Diemarks)	Living Roo i) d Solls (C6 1) (LRR A	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C8) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Deptif (Inches): Remarks: YDROLOGY Wetland Hydrology Primary Indicators (Inches): Surface Water (A) Water Marks (B1) Sediment Deposits (B1) Algal Mat or Crulinon Deposits (B2) Iron Deposits (B3) Surface Soil Cralinundation Visible Sparsely Vegeta Field Observations: Surface Water Present Saturation Present? Saturation Present?	Indicators: ninimum of or A1) p (A2) ilts (B2) 3) st (B4) 5) cks (B6) e on Aerial Inted Concave nt? Ye Ye	nagery (B Surface (ad; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen 3 Coxidized R Presence of Recent Iron Stunted or Other (Exp (B8) No Depth (Inc. No Depth (Inc.	ned Leavent, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressed dain in Re ches): ches):	and 4B) es (B13) edor (C1) eres along ed Iron (C4) ion in Tilled i Plants (D emarks)	Living Root) d Solls (C61) (LRR A	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No
Deptif (Inches): Remarks: YDROLOGY Wetland Hydrology Primary Indicators (Inches): Surface Water (A) Water Marks (B1) Sediment Deposits (B1) Algal Mat or Crulinon Deposits (B2) Iron Deposits (B3) Surface Soil Cralinundation Visible Sparsely Vegeta Field Observations: Surface Water Present Saturation Present? Saturation Present?	Indicators: ninimum of or A1) p (A2) ilts (B2) 3) st (B4) 5) cks (B6) e on Aerial Inted Concave nt? Ye Ye	nagery (B Surface (Mater-Stai MLRA Salt Crust Aquatle Inv. Hydrogen X Oxidized R Presence of Recent Iron Stunted or Other (Exp. No Depth (Inc.)	ned Leavent, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressed dain in Re ches): ches):	and 4B) es (B13) edor (C1) eres along ed Iron (C4) ion in Tilled i Plants (D emarks)	Living Root) d Solls (C61) (LRR A	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No

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

Project/Site: APN 216-271-013 -		County: HUN	nboldt	Sampling Date;
pplicant/Owner Kalifornin Green AKE	LS . MAL	The service of the se	State: CA	Sampling Point: 4 - 1625
nvestigator(s): Claire Brown	Section	on, Township, Ra		
andform (hillstope, terrace, etc.): Hillstope	HON 71 1000 I H		-	1CARC Slope (%): 10
ubregion (LRR):				
(70	Lan		_ Long; _ 12), 50	77097 Datum: NAD
N				
re climatic / hydrologic conditions on the site typical f	14 Jak 11		(If no, explain	
re Vegetation N , Soil N , or Hydrology N			"Normal Circumstance	es" present? YesX No
re Vegetation, Soil, or Hydrology	naturally problema	atic? (If no	eeded, explain any an	swers in Remarks.)
UMMARY OF FINDINGS - Attach site n	nap showing sam	npling point l	ocations, transe	cts, important features, etc
-lydrophytic Vegetation Present? Yes X	_ No	in who will be	Mary and the state of the	2014 Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Hydric Soil Present? Yes X	_ No	Is the Sampled within a Wetla	Contract to the contract of th	X) salan sar
Netland Hydrology Present?	No	within a wena	light (168	C 300 00 00 00 00 00 00 00 00 00 00 00 00
Remarks:	T WHINE PROTEST OF	E Have Market Williams	: 2/	Sad services
11.5	Deacer	. Ool.	alian	THE RESIDENCE OF THE PARTY OF T
the statistical arrange event somewhat	Dryseaso	אוושכן אנ	CATIOI	The state of the s
EGETATION – Use scientific names of p	plants.	sangi and a	netropia i	Briggioner da gregor
Free Stratum (Plot size:		ninant Indicator	Dominance Test w	orksheet:
Tee Stratum (Flot Size.	% Cover Spe	ciesr Status	Number of Dominar	141 144
			That Are OBL, FAC	
The state of the s			Total Number of Do	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
7			Species Across All	Strata: (B)
	= To:	tal Cover	Percent of Dominar	
Sapling/Shrub Stratum (Plot size:)		55757	That Are OBL, FAC	(1012)
			Total % Cover	
			OBL species	O x1=
- Table 1980 com			FACW species	Ø x2= 0
· All in the later is a second of the later to the later is the later in the later in the later is the later in the later		<u> 139 mm</u>	FAC species	90 x3= 270
v 1949 Met Pet Peter Este interestion	21/24 102	antipylis iss	FACU species	15 x4= 60
lerb Stratum (Plot size: 1m2)	= To	lal Cover	UPL species	O x5= O
. Elvistima acvince	90 Y	FAC	Column Totals:	105 (A) 330 (B)
Ptecidium Annilinum	10 4	/ Salu		The State of the S
Oli Walania and Cala	State Automotive	procedural English	Hydrophytic Veger	dex = B/A = 3, 14
2	State Com-	F - Name	(4C)	for Hydrophytic Vegetation
67237.89.66.567	Short of GATTLE AND	Etasi 16h Tah	2 - Dominance	AL DI TARRES II TO I TO
1914 153 241-1 Action	DIA SECTION		X 3 - Prevalence	
CSEQUENTIAL OF		3 7/14/19	\$531 ATT THE	cal Adaptations ¹ (Provide supportin
			data in Rem	narks or on a separate sheet)
**************************************			The state of the s	n-Vascular Plants ¹
0		171 2 32 21	X Problematic Hy	drophytic Vegetation¹ (Explain)
1				soil and wetland hydrology must
		al Cover	be present, unless	disturbed or problematic.
Voody Vine Stratum (Plot size: 1 m²)	<	/ FACV	17,4381.4115	
- Rubus ursinus		FALL	Hydrophytic	
			Vegetation Present?	Yes X No
6 Bare Ground in Herb Stralum	= Tota	al Cover		

SOIL		==0	ing.			Sampling Point: 4
Profile Description: (Describe to ti	ne depth needed to docu	ment the i	ndicator	or confirm	the absence of ind	icators.)
Depth Matrix		ox Features				
(Inches) Color (moist)	% Color (moist)		Type ¹	_Loc ² _	Texture	Remarks
0-6 7.54R 72 6	19 7.5YR 5/8			Pho	Sandy day	
2-24-264041, 0	12 7.5 XR 5/8		-	Plan		1000
	1.5 17 1/8	Trends .	1	Facility of the same of the sa		
				\$,767		
						
						
[†] Type: C=Concentration, D=Depletion	n, RM=Reduced Matrix, C	S=Covered	or Coate	d Sand Gr	rains. ² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable	to all LRRs, unless othe	rwise note	ed.)		Indicators for	Problematic Hydric Solls ³ :
Histosol (A1)	Sandy Redox (2 cm Muck	(A10)
Histic Epipedon (A2)	Stripped Matrix	(86)			Red Paren	t Material (TF2)
Black Histic (A3)	Loamy Mucky I			MLRA 1)		ow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed		•		Other (Exp	lain in Remarks)
Depleted Below Dark Surface (A						
Thick Dark Surface (A12)	Redox Dark Su					ydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark		7)			rology must be present,
Sandy Gleyed Matrix (S4)	Redox Depress	sions (F8)			uniess distu	rbed or problematic.
Restrictive Layer (if present):						0.9.120
Туре:						10 V V W
Depth (inches):	or changes on				Hydric Soil Prese	nt? Yes No
IVDBOLOCV		de la companya de la				
IYDROLOGY						
Wetland Hydrology Indicators: Primary Indicators (minimum of one r	aguired: check all that ann'	lω			Secondary I	ndicators (2 or more required)
		ined Leave	o (B0) (a	veent		tained Leaves (B9) (MLRA 1, 2,
Surface Water (A1)		1, 2, 4A, a		kcept		and 4B)
High Water Table (A2)	Salt Crust		iiu 46)			e Patterns (B10)
Saturation (A3)	- //-	vertebrates	(B13)			son Water Table (C2)
Water Marks (B1)		Sulfide Od				on Visible on Aerial Imagery (C9
Sediment Deposits (B2)		Rhizospher		Livina Roo		phic Position (D2)
Drift Deposits (B3) Algal Mat or Crust (B4)		of Reduced			, · · · ·	Aquitard (D3)
Iron Deposits (B5)		n Reductio				utral Test (D5)
Surface Soil Cracks (B6)		r Stressed F				Ant Mounds (D6) (LRR A)
Sunace soil Cracks (56) Inundation Visible on Aerial Imag		plain in Rer		., (eave Hummocks (D7)
Sparsely Vegetated Concave Su		_,	,			y . I
Fleid Observations:				1		
	No X Depth (In	ches):		-15		
						r .
Saturation Present?	No Depth (In No Depth (in	ches).	95	Wetls	and Hydrology Pres	ent? Yes X No
(includes capillary fringe)						
Describe Recorded Data (stream gau	ge, monitoring well, aerlal	photos, pre	vious Ins	pections),	if available:	
Remarks:		j . \				
Linited 2	his for enter	ATTE	, cla	ing to h	eavy for Free	mer!

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region 216 -271-013-00 City/County. Project/Site: Ralifornia Green AKRS Applicant/Owner: Sampling Point: Investigator(s): Claire Brown Section, Township, Range: _ Hillsope Landform (hillslope, terrace, etc.); Local relief (concave, convex, none): CONCALL Lat: 40.17078753 Long: -123.60725068 Datum: Subregion (LRR): __ NWI classification: R 5 UB F Soll Map Unit Name: Are climatic / hydrologic conditions on the site typical for this time of year? Yes_ (If no, explain in Remarks.) Are Vegetation _____, Soil ______, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes Is the Sampled Area Hydric Soil Present? Yes within a Wetland? Wetland Hydrology Present? Remarks: senson Delineation VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: Total % Cover of: Multiply by: **OBL** species FACW species FAC species **FACU** species = Total Cover UPL species Stratum (Plot size: Column Totals: Prevalence Index = B/A = Hydrophytic Vegetation Indicators: __ 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 1 Indicators of hydric soll and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size: FACU Hydrophytic Vegetation Present? = Total Cover % Bare Ground In Herb Stratum Remarks:

SOIL Profile Description: (Des	orlho to the de-	th needed to docum	ant the	indilato	r ar canfirn	the absence		ampling Poi	iic See
	atrix		Feature		i oi comin	I tile apsence	o maicate	71.5.7	
(Inches) Color (mo		Color (moist)	%	Type ¹	Loc2	Texture		Remark	8
0-6 751R	1/7	7.5 x R5/8	1	6	PL	SMAGE	din		
77710	17.0			1775		(7)	and the same of th		
7540	26	7 5425/8	1	-	al.				- y
7-13 7.578	3/2	1 3 / 4 / 8					* ***		
14-20 7.5 XK	23/2	7.5-125/8	2	C	(PL.	Ť.,			
			1	0	M	Ę)
100				-	E - 774	1			-
¹ Type: C=Concentration, I	D-Danietian DM:		Covere	d or Coa	ted Sand Gi	alne 1 2 c	cation: PL=	Pore Lining	M=Matr
Hydric Soil Indicators: (A	D≕Depletion, Rivi Applicable to all	LRRs. unless other	vise not	ed.)	ieu oanu on	Indicat	ors for Prob		
Histosol (A1)	debugger of all	Sandy Redox (S					m Muck (A10		1127
Histic Epipedon (A2)		Stripped Matrix (Re	d Parent Mai	terial (TF2)	-
Black Histic (A3)		Loamy Mucky Mi	neral (F	1) (exce	ot MLRA 1)	Ve	y Shallow D	ark Surface	
Hydrogen Sulfide (A4)		Loamy Gleyed M		2)		Oth	er (Explain i	n Remarks)	100
Depleted Below Dark		Depleted Matrix (3			
Thick Dark Surface (A		Redox Dark Surf					ors of hydrop and hydrolog		
Sandy Mucky Mineral		 Depleted Dark St Redox Depression 		- <i>Q</i>			ss disturbed		
Sandy Gleyed Matrix (Restrictive Layer (if pres		Nedox Depression) iis (i u)		1,	I unio	od diotarboa	o. p. 7	
T-0813	erry.								
Type:									- X
14.79 to 144-						Hydric Spi	Present?	Yes	No
Depth (inches):Remarks:	- Alie s)	· ·		= 0.9	-11-2	Hydric Sol	Present?	Yes	No
Depth (Inches): Remarks:		y .				Hydric Sol	l Present?	Yes	_ Nó
Depth (inches):Remarks:		v		= 9.0		Hydric Sol	l Present?	Yes	_ Nó
Depth (Inches): Remarks: HYDROLOGY Wetland Hydrology Indic	ators:	d shock all that gonly							
Depth (inches):	ators:			voc (RQ) (o. ****	Seco	ndary Indica	tors (2 or m	ore requ
Depth (inches):	ators: ım of one required	Water-Stain	ed Leav	, ,	except	Seco	ndary Indica Vater-Staine	tors (2 or m d Leaves (E	ore requ
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indic Primary Indicators (minimu Surface Water (A1) High Water Table (A2)	ators: ım of one required	Water-Stain	ed Leav , 2, 4A , a	, ,	except	Seco	ndary Indica Water-Staine 4A, and 4	tors (2 or m d Leaves (E B)	ore requ
Depth (inches):	ators: ım of one required	Water-Stain MLRA 1, Salt Crust (E	ed Leav , 2, 4A , a B11)	and 4B)	except	Seco	ndary Indica Water-Staine 4A, and 4 Drainage Pat	tors (2 or m d Leaves (E B) terns (B10)	ore requ
Depth (Inches):	ators: em of ane required	Water-Stalm MLRA 1, Salt Crust (E Aquatic Inve	ed Leav , 2, 4A, a B11) ertebrate	and 4B)	except	Seco	ndary Indica Water-Staine 4A, and 4 Orainage Pat Ory-Season V	tors (2 or m d Leaves (E B) terns (B10) Water Table	ore requises (MLR
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Depth (inches):	ators: em of one required	Water-Stain MLRA 1, Salt Crust (E Aquatic Inve	ed Leav , 2, 4A , a B11) ertebrate ulfide Oa alzosphe	and 4B) es (B13) dor (C1) eres along	J Living Roo	Secc	ndary Indica Vater-Staine 4A, and 4 Orainage Pat Ory-Season V Saturation Vis	tors (2 or m d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2	ore requi
Depth (inches):	ators: em of one required	Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rh	ed Leav , 2, 4A , a 311) ertebrate ulfide Od ilzosphe Reduce	es (B13) dor (C1) dors along ed Iron (C	g Living Roo (24)	Secc 	ndary Indica Vater-Staine 4A, and 4 Orainage Pat Ory-Season V Saturation Vis Geomorphic I Shallow Aquit	tors (2 or m d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3)	ore requi
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WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region APN 216-271-013-00 State: C/T Sampling Point: 6 Investigator(s): Clark Brown Section, Township, Range: ___ Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): Concave Slope (%): Subregion (LRR): Lat: 40,17107902 Long: -123.60674933 Datum: NAD83 NWI classification: NONE Soil Map Unit Name: 673 Are cilmatic / hydrologic conditions on the site typical for this time of year? Yes ____ No (If no, explain in Remarks.) Are Vegetation ______, Soil ______, or Hydrology ______ significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation ______, Soil _______, or Hydrology _________naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes Y Hydric Soil Present? Yes X No ____ Is the Sampled Area within a Wetland? Wetland Hydrology Present? Yes X No___ crently by bond brimaccess Rd prism * excessiving dry year VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: ____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: 10 pm) Prevalence Index worksheet: 1. Rub us armeniacus Total % Cover of: Multiply by: OBL species _____ x 1 = __ x 2 = ____ FACW species FAC species _ x3= FACU species = Total Cover UPL species _____ x 5 = ____ Column Totals: _____ (A) ____ Prevalence Index = B/A = Hydrophytic Vegetation Indicators: _ 1 - Rapid Test for Hydrophytic Vegetation ¥ 2 - Dominance Test is >50% __ 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation[†] (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic, ___= Total Cover Woody Vine Stratum (Plot size: _____ Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum _____

Remarks:

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Output	Drofile Dec	crintian: /Describe	to the de	oth needed to docu	ment the	indicator	or confirm	the absence of Indi	cators.)
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1			%	Color (moist)		Type	Loc²		
Type: C-Concentration; D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains. Coation: PL-Pore Lining, M-Matrix, Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	1	7.5YR3/2		54R4/6	2	C	1/4	clayloan	moist
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Comparison Com	1 12	TE TEASTER			2	P	PL		
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Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. Indicators or Problematic Hydric Soils*; Acad Parent Material (TF2) Corn Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gloysod Matrix (S3) Sandy Gloysod Matrix (S3) Restrictive Layer (If present): Type: Type: Phimary Indicators of hydrophysic vegetation and wetland hydrology must be prisent, unless disturbed or problematic. Phydric Soil Present? Yes \(\) No Remarks: YPROLOGY Wetland Hydrology Indicators: Phimary Indicators (Infimum of one required; check all that apoly) Water Table (A2) Mater Table (A2) Depth (Inches): Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Type: Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Type: Phimary Indicators (Infimum of one required; check all that apoly) Water Table (A2) Depth (Inches): Presence of Reduced Into (C4) Saturation (A3) Agail Invertebrates (B13) Presence of Reduced Into (C4) Saturation (A3) Agail Not crust (B4) Presence of Reduced Into (C4) Saturation (Types (B)) Presence of Reduced Into (C4) Saturation (Types (B)) Surface Water (Types (B)) Surface Wa	6-6	1.512-117	The Fire		-		dia fa	34.7	
Type: C=Concentration, D=Deptellon, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. **Type: C=Concentration, D=Deptellon, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. **Type: C=Concentration, D=Deptellon, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. **Type: C=Concentration, D=Deptellon, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. **Type: C=Concentration, D=Deptellon, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. **Type: C=Concentration, D=Deptellon, RM=Reduced Matrix, CS=Covared or Coated Sand Grains. **Indicators for Problematic Hydric Soits*: ### Back Histic (A3)	20				- 2			7.1	
Type: C=Concentration, D=Depletion, RM=Reduced Metrix, CS=Covered or Coated Sand Grains. **Accellont: PL=Pore Lining, M=Metrix, Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histosol (A2) Stripped Matrix (S6) Loarny Mucky Mineral (F1) (axcept MLRA 1) Depleted Bedev Dark Surface (A11) Depleted Metrix (F2) Sandy Redov Dark Surface (A12) Sandy Redov Bark Surface (F1 2) Sandy Macky Mineral (F1) Sandy Macky Mineral (F1) Sendy Mucky Mineral (F1) Sendy Mucky Mineral (F2) Depleted Dark Surface (F1 2) Sandy Mucky Mineral (F1) Sendy Mucky Mineral (F1) Mucky Layer (F1) Water-Stained Leaves (B3) (except Mucky Mucky Mucky Mineral (F1) Mucky Mucky Marky Marky (B1) Sendy Mucky Mineral (F1) Mucky Layer (F1) Water-Stained Leaves (B3) (except Mucky Mucky Mineral (F1) Mucky Layer (B1) Mucky Layer (B1) Water-Stained Leaves (B3) (except Mucky Mucky Mineral (F1) Mucky Layer (B1) Mucky Layer (B1) Water-Stained Leaves (B3) (except Mucky Mucky Mineral (F1) Mucky Layer (B1) Mucky Layer (B1) Mucky Layer (B1) Water-Stained Leaves (B3) (except Mucky Mucky Mineral (F1) Mucky Layer (B1) Mucky Layer (B1) Water-Stained Leaves (B4) Mucky Layer (B1) Mucky Layer	8.70	1018418		101K all		_0_	PL	Clay	
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Romarks: upper 8 inches moist, above saturation level	Describe R	ecorded Data (strea	ım gauge, m	nonitoring well, aerial	photos, p	revious in	spections),	ır avallable:	
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1 1 1/4 M L COLUMN AND A D 1 WAS A STREET OF THE WAS IN THE PARTY OF T		• •	ı	m 2		70 **	la Lal	on publem	the dark
In death be						,	.0 4	5) 1	to denset home

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Sampling Date: 4-21-2021 Project/Site: _ State: CA Sampling Point: 7 Applicant/Owner: ___ Investigator(s): Clark Bown Section, Township, Range; Landform (hillslope, terrace, etc.): hillslope ____Local relief (concave, convex, none): ____Convex Subregion (LRR): Lat: 40.17/06812 Long: -123.60712869 Datum: NAD ST ____NWI classification: ___ Soil Map Unit Name: Are climatic / hydrologic conditions on the site typical for this time of year? Yes_ (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes_ (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? Yes No X within a Wetland? Wetland Hydrology Present? Remarks: Urought Condition) VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species ____ x1=_ FACW species _ x 2 = FAC species x 3 = FACU species x4 == Total Cover UPL species Herb Stratum (Plot size: Column Totals: _____ (A) Phalaris AAVALICA Hydrophytic Vegetation Indicators: Germina disection 1 - Rapid Test for Hydrophytic Vegetation ∠ 2 - Dominance Test is >50% __ 3 - Prevalence Index Is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants1 Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soll and wetland hydrology must be present, unless disturbed or problematic. __= Total Cover Woody Vine Stratum (Plot size: _____) Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum

Remarks:

001	1
S()	

		-7	
Sampling	Point:	-	

Profile Description: (Desc	ribe to the dept	h needed to docume	nt the indicator	or confirm	the absenc	e of indicators	.)	
Depth Mat		Redox F						
(inches) Color (mois		Color (moist)	% Type ¹	Locz	Texture		Remarks	
0-4 7,5 YR	3/3 100				loam	< profile	e contains	inclusi
4-12 754RY	16 100	- de la constitución de la const	The state of the s		soules i	to of	rock -sa	rd store
- Comp	9 1	S-2 3			class		7,4	
					700	101	11/01	
						Sub	80.1 (15)	,
(0,7,								
		Shope			9			
	Double DM	Dadward Mately CCCC	Coupred or Conto	d Sand Gr	raino ² L d	ocation: PL=Po	ro Lining M-M	atriv
¹ Type: C=Concentration, D= Hydric Soil Indicators: (Ap	Depletion, Rivi=	RRs. unless otherwis	se noted.)	u sanu Gi	Indicat	ors for Problem		
	phoable to all i	Sandy Redox (S5)				m Muck (A10)		
Histosol (A1) Histic Epipedon (A2)	,	Stripped Matrix (S6				d Parent Materi	al (TF2)	
Black Histic (A3)		Loamy Mucky Mine		MLRA 1)		ry Shallow Dark		.)
Hydrogen Sulfide (A4)		Loamy Gleyed Mat				ner (Explain in F	Remarks)	
Depleted Below Dark St	ırface (A11)	Depleted Matrix (F			×===0			
Thick Dark Surface (A12		Redox Dark Surfac	e (F6)		³ Indica	ors of hydrophy	rtic vegetation a	ind
Sandy Mucky Mineral (S		Depleted Dark Sur	face (F7)		wetl	and hydrology r	nust be present	ί,
Sandy Gleyed Matrix (S		Redox Depression	s (F8)		unle	ss disturbed or	problematic.	
Restrictive Layer (if preser	it):		P					
Туре:				~				11
Depth (inches):					Hydric So	Present? Y	'es N	• <u>X</u>
YDROLOGY Wetland Hydrology Indicat	ors:	1122-2-2						
Primary Indicators (minimum	of one required					ondary Indicator		
Surface Water (A1)			Leaves (B9) (ex	ccept	_	Water-Stained L	.eaves (B9) (ML	_RA 1, 2,
High Water Table (A2)		MLRA 1, 2	, 4A, and 4B)			4A, and 4B)		0.446.37
Saturation (A3)		Salt Crust (B1	1) .			Orainage Patter		-1
Water Marks (B1)		Aquatic Invert				Dry-Season Wa		
Sediment Deposits (B2)		Hydrogen Sul				Saturation Visib		igery (C9)
Drift Deposits (B3)		Oxidized Rhiz	ospheres along l	_iving Roo		Geomorphic Po		
Algal Mat or Crust (B4)			leduced Iron (C4			Shallow Aquitar		
Iron Deposits (B5)		Recent Iron R				AC-Neutral Te		
Surface Soil Cracks (B6)	Stunted or Str	essed Plants (D1	I) (LRR A)	!	Raised Ant Mou	nds (D6) (LRR	A)
Inundation Visible on Ae						Frost-Heave Hu	mmocks (D7)	
Sparsely Vegetated Con								
ield Observations:				-		7		
Surface Water Present?	Yes N	lo Depth (inche	s);					
Vater Table Present?		lo Depth (inches						
Saturation Present?		lo Depth (inche			and Hydrolog	y Present?	/es N	10 <u>X</u>
(includes capillary fringe) Describe Recorded Data (str	eam gauge, mor	nitoring well, aerial phol	os, previous insp	pections),	if available:			A. C.
Remarks:		. 1:	. 1				1	
		should be drow	Consideral	de	Jenju	m duk	40	
		· ·		-	,	13		بينجن
		dono	ht land	LidiOn) IA 4	rathon	Pror	
		(V (D)	JULY CONG	N 1 714/1	J IM Y	VIO/FT.		

Control (AVERTAGE CONTROL CONTROL CONTROL

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site: APN 216771-013 Sampling Date: 4-7)-7021 City/County: Applicant/Owner: ___ K. 6 A __ Sampling Point: Claire Brown Investigator(s): Section, Township, Range: Landform (hillslope, terrace, etc.): h; l\slopa. Local relief (concave, convex, none): CONCAVE Slope (%): 10 Lat: 40.17066708 Subregion (LRR): Long: -17.3. L 6665746 Datum: NA-083 Soil Map Unit Name: ___ NWI classification: NOTE Are climatic / hydrologic conditions on the site typical for this time of year? Yes ___ X___ (If no, explain in Remarks.) Are Vegetation ______, Soil _______, or Hydrology ______ significantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation ______, Soil ______, or Hydrology _______ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Yes Remarks: rought conditions of VEGETATION – Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant Species Across Ali Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: 10 m2 Prevalence Index worksheet: Total % Cover of: ____x1=__ OBL species FACW species _____ x 2 = __ FAC species ____ x 3 = __ FACU species x 4 = = Total Cover UPL species Herb Stratum (Plot size: x 5 = 1. Anthoyaton adoratum FALU Column Totals: 2. Festuca arendinacen Prevalence Index = B/A = 3. VICINGHIVA SATIVA Hydrophytic Vegetation Indicators: FACU 4. Philais aguation 10 ___ 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test Is >50% 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size: ____ Hydrophytic Vegetation Present? = Total Cover

Remarks:

% Bare Ground in Herb Stratum

SOIL						, K.		Sampling Folit.
Profile Desc	cription: (Describe	to the dep	th needed to docu	ment the	ndicator	or confirm	the absence	of Indicators.)
Depth	Matrix			ox Feature	s			_ = -
(Inches)	Color (moist)	%	Color (moist)	%	Type ¹	<u>Loc²</u>	Texture	Remarks
0-4	7.54R3/1	100			***************************************	C-CARRENT -	Claylorn	
4-10	7.5483/1							
10-12	7.57R2.5/1	- 2	54R4/1	.1	_c_	PL		Bured h hormen
12-15	7.5/22.5/1		5 x R 4/6	_5_		PL		
15-20	754R7.5/1	-14	5 YR4/6	5	<u>C</u>	PL		* layer of large riverant
20-23	10 YR 5/2	40	فالمعديد ومعتب عرضه سيحس	and the same of th			clan	ongular rock
	10 YR4/6	60						B Horiza
¹ Type: C=C	oncentration, D=Dep	oletion, RM	=Reduced Matrix, C	S=Covere	d or Coate	d Sand Gr	ains. ² Loc	cation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all			ed.}			rs for Problematic Hydric Solis ³ :
Histosol	5. C		Sandy Redox (n Muck (A10)
	pipedon (A2)		Stripped Matrix					Parent Material (TF2)
	istic (A3)		Loamy Mucky			MLRA 1)		/ Shallow Dark Surface (TF12)
	en Sulfide (A4)	90.00.8	Loamy Gleyed)		— Otne	er (Explain in Remarks)
1	d Below Dark Surfac	e (A11)	Depleted Matri				31	
_	ark Surface (A12)		Redox Dark Su					ers of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted Dark	10 p. 6 q.	-7}			nd hydrology must be present,
	Gleyed Matrix (S4)		Redox Depress	sions (F8)			unies	s disturbed or problematic.
0-2015/05/5-21	Layer (if present);							
Type:	107.5							
Depth (in	ches):	-25					1	Present? YesNo
Remarks:			relia	CONCE	wayin,	y dop y	sob in bu	file to be hydric soil
			•					

HYDROLO	GY							
	drology Indicators:							
	cators (minimum of c		t; check all that app	ly)			Secon	ndary Indicators (2 or more required)
	Water (A1)		Water-Sta		es (B9) (e :	ccept	W	/ater-Stained Leaves (B9) (MLRA 1, 2,
_	ater Table (A2)			1, 2, 4A, a			_	4A, and 4B)
			Salt Crust				В	rainage Patterns (B10)
Saturation					c /P13\			ry-Season Water Table (C2)
_	farks (B1)		Aquatic In					aturation Visible on Aerial Imagery (C9)
1 —	nt Deposits (B2)		Hydrogen	Sullide O	dor (CT)			
Drift Dep	posits (B3)		Oxidized i	Rhizosphe	res along l	Living Root	ts (C3) G	eomorphic Position (D2)
Algal Ma	at or Crust (B4)		Presence					hallow Aquitard (D3)
Iron Dep	posits (B5)					Soils (C6)		AC-Neutral Test (D5)
	Soil Cracks (B6)		Stunted or	r Stressed	Plants (D	1) (LRR A)	_ R	aised Ant Mounds (D6) (LRR A)
	on Visible on Aerial I	Imagery (B	7) Other (Ex	plain in Re	marks)		Fi	rost-Heave Hummocks (D7)
	y Vegetated Concave							
Field Obser								
Surface Wat		ا مر	No 🗶 Depth (in	ches):				
Water Table		-	No X Depth (in					
Saturation P			No X Depth (in				and Hydrology	y Present? Yes No
(includes car	pillary fringe)						f quallable:	
Describe Re	corded Data (stream	i gauge, mo	onitoring well, aerial	pnotos, pr	evious ins	Jections), 1	ı avallaple;	
Demortes								1 2 11
remarks.					46	1 1	1	# 10 16 MA 7 7 - 7 11/1
Remarks:	f	it in 1	ong trench	dun 1	for La	for line	- Pnd	e length on 23-24"
Remarks.	f	it in 1	ong trach	dos !	for ca	for line	Howard Howard	r. hadalania
Remarks.	P	it in l	ong trach dry abo	des t	for ca	to line	L-Pnd However	r, hydrologyis ic due to drawlet

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site: Applicant/Owner: ___ K. 6. A State: A Sampling Points Claire Bonn Investigator(s): Section, Township, Range: Loward Landform (hillstope, terrace, etc.): hillstope Local relief (concave, convex, none): Con (all slope (%): NA 087 Lat: 40.17-064411 Long: -123, 6060014 | Datum: NAD83 Subregion (LRR): Soil Map Unit Name: ___ NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No ___ (If no, explain in Remarks.) Are Vegetation _____, Soil ______, or Hydrology _____ significantly disturbed? _____ Are "Normal Circumstances" present? Yes ____ Are Vegetation ______, Soll ______, or Hydrology ______ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydric Soil Present? Yes X No Is the Sampled Area Wetland Hydrology Present? Yes X No within a Wetland? Remarks: plot directly adjusent to force the on other side of force 13 feet south, their surharate inder a partition fall corex Drought Contisting VEGETATION – Use scientific names of plants. Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: _ % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: 1. Rubus armenings Total % Cover of: OBL species FACW species _ _ x 2 = FAC species x 3 = FACU species = Total Cover Herb Stratum (Piot size: UPL species Column Totals: Prevalence Index = B/A = B/A Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation __ 2 - Dominance Test is >50% __ 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soll and wetland hydrology must be present, unless disturbed or problematic. 31 = Total Cover Woody Vine Stratum (Plot size:-___ Hydrophytic Vegetation Yes X No ___ Present? = Total Cover % Bare Ground in Herb Stratum Remarks:

OIL Profile Description:	Describe	to the der	oth needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)	
Depth	Matrix	to the dak		x Feature				•	
	(moist)	%	Color (moist)	_%	Type ¹	Loc ^z	Texture	Remarks	3
5-4 10 y	R2/1	100	iku.				loam		
1-12 7/2	.5/1	95	104R3/6	5	C	PL	chu	15.20% 50	sol stock
1 10 10								industans -	
size ·				Total Control				U. D. D. Linion	B 4-8 4-4-5-
Type: C=Concentrați	on, D=Dep	letion, RM	=Reduced Matrix, C8	S≃Covere	d or Coate	ed Sand G	rains. 'Loc	ation: PL≔Pore Lining, rs for Problematic Hy-	
lydric Soil Indicator	s: (Applic	able to all			ted.)				uric sons .
Histosol (A1)	di.		Sandy Redox (n Muck (A10) Parent Material (TF2)	
Histic Epipedon (A	42)		Stripped Matrix Loamy Mucky M	(30) lineral (F	1) (avcani	· MI RA 1)		Shallow Dark Surface	(TF12)
Black Histic (A3)Hydrogen Sulfide	(A4)		Loamy Gleyed					er (Explain in Remarks)	,
Depleted Below D		e (A11)	Depleted Matrix		-/		5000		
Thick Dark Surface			X Redox Dark Su					rs of hydrophytic veget	
Sandy Mucky Min			Depleted Dark					nd hydrology must be p	
Sandy Gleyed Ma	Table 1		Redox Depress	ions (F8)			unies	s disturbed or problema	ilic.
	oresent):								
Restrictive Layer (if p	•						1		
Туре:		-	 >				Hydric Soil	Present? Yes	No
Val		Soil f	n wetal low	c+3	et go	od prof	Hydric Soil		No
Type: Depth (inches): Remarks:		Soil f	n wetch loos	(+ a	et go	oh que			No
Type: Depth (inches): Remarks: YDROLOGY		•	n wetch low	c+3	ed goo	oh gref			No
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology I	ndicators:				rd Joi	oh prof	ia deapo		No
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Interpretation of the company indicators (miles)	ndicators: nimum of c		d; check all that appl	v)			in deap	ndary Indicators (2 or m	Paralle and the
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Information (miles) Surface Water (A)	ndicators: nimum of c		d; check all that appl	y) Ined Leav	/es (B9) (e		in deap		Paralle and the
Type: Depth (inches): Remarks: YDROLOGY Yetland Hydrology In Primary Indicators (mi Surface Water (A' High Water Table	ndicators: nimum of c		d; check all that appl	v) ined Leav 1, 2, 4A,	/es (B9) (e		Secon W	ndary Indicators (2 or m /ater-Stained Leaves (E	Paralle and the
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology I Primary Indicators (mi Surface Water (A' High Water Table Saturation (A3)	ndicators: nimum of c 1) (A2)		d; check all that appl Water-Sta MLRA	y) ined Leav 1, 2, 4A, (B11)	ves (B9) (e and 4B)		Secon D D	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table	9) (MLRA 1, 2 , (C2)
Type: Depth (inches): Remarks: YDROLOGY Yetland Hydrology In Primary Indicators (mi Surface Water (A' High Water Table	ndicators: nimum of c 1) (A2)		d; check all that appl Water-Stai	y) ined Leav 1, 2, 4A, (B11) verteb air Sulfide (S	ves (B9) (e and 4B) (s (B13) dor (C1)	except	Secon W D S	ndary Indicators (2 or m. /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer	9) (MLRA 1, 2 (C2) ial Imagery (C9
Type:	ndicators: nimum of c 1) (A2)		d; check all that appl Water-Stai MLRA Salt Crust Aquatic In: Hydrogen Oxidized F	v) ined Leav 1, 2, 4A, (B11) verteb att	ves (B9) (e and 4B) (s (B13) dor (C1) res along	except	Secon	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer eomorphic Position (D2	9) (MLRA 1, 2 (C2) ial Imagery (C9
Type:	ndicators: nimum of c 1) (A2) ss (B2)		d; check all that appl Water-Stai MLRA Salt Crust Aquatic Int Hydrogen Oxidized F	v) Ined Leav 1, 2, 4A, (B11) verteby tit Sulfide to Rhizosph	ves (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4	except Living Roo	Secon W D Si ots (C3) Si	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer eomorphic Position (D2 hallow Aquitard (D3)	9) (MLRA 1, 2 (C2) ial Imagery (C9
Type:	ndicators: nimum of o 1) (A2) ss (B2)) t (B4)		d; check all that appl Water-Stai MLRA Salt Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro	v) Ined Leav 1, 2, 4A, (B11) vertebret Sulfide of Rhizosph of Reduck	ves (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4)	Except Living Roo 4) d Solis (C6	Secon W D ots (C3) G S S S S S S S S S S S S	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer eomorphic Position (D2 hallow Aquitard (D3) AC-Neutral Test (D5)	(C2) (al Imagery (C9)
Type:	ndicators: nimum of c 1) (A2) ss (B2)) t (B4)) ks (B6)	ne require	d; check all that appl Water-Stal MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or	y) ined Leav 1, 2, 4A, (B11) vertebrati Sulfide the Rhizosphe of Reduct n Reduct	ves (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 ion in Tille	Except Living Roo 4) d Solis (C6	Secon W D ots (C3) G S O O O O O O O O O O O O	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer reomorphic Position (D2 hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6)	(C2) (Imagery (C9) (LRR A)
Type:	ndicators: nimum of c 1) (A2) ss (B2)) t (B4)) ks (B6)	ne require	d; check all that appl Water-Stal MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	y) ined Leav 1, 2, 4A, (B11) vertebrati Sulfide the Rhizosphe of Reduct n Reduct	ves (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 ion in Tille	Except Living Roo 4) d Solis (C6	Secon W D ots (C3) G S O O O O O O O O O O O O	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer eomorphic Position (D2 hallow Aquitard (D3) AC-Neutral Test (D5)	(C2) (Imagery (C9) (LRR A)
Type:	ndicators: nimum of c 1) (A2) ss (B2)) t (B4)) ks (B6)	ne require	d; check all that appl Water-Stal MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	y) ined Leav 1, 2, 4A, (B11) vertebrati Sulfide the Rhizosphe of Reduct n Reduct	ves (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 ion in Tille	Except Living Roo 4) d Solis (C6	Secon W D ots (C3) G S O O O O O O O O O O O O	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer reomorphic Position (D2 hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6)	(C2) (Imagery (C9) (LRR A)
Type:	ndicators: nimum of c 1) (A2) s (B2) t (B4)) ks (B6) on Aerial	magery (B	d; check all that appl Water-Stal MLRA Salt Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp.	y) ined Leav 1, 2, 4A, (B11) verteby Rhizosph f Reduct n Reduct Stressed	ves (B9) (e and 4B) (s (B13) dor (C1) res along ed Iron (C4) ion in Tille i Plants (D emarks)	Except Living Roo 4) d Solis (C6	Secon W D ots (C3) G S O O O O O O O O O O O O	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer reomorphic Position (D2 hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6)	(C2) (C2) (al Imagery (C9
Type:	ndicators: nimum of control (A2) s (B2) t (B4) h on Aerial I ed Concave	magery (B Surface (d; check all that appl Water-Stal MLRA Salt Crust Aquatic Int Hydrogen Oxidized F Recent Iro Stunted or Other (Exp.	y) ined Leav 1, 2, 4A, (B11) verteby Rhizosph f Reduct n Reduct Stressed blain in Re	ves (B9) (e and 4B) (s (B13) dor (C1) res along ed Iron (C4) ion in Tille i Plants (D emarks)	Except Living Roo 4) d Solis (C6	Secon W D ots (C3) G S O O O O O O O O O O O O	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer reomorphic Position (D2 hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6)	(C2) (C2) (al Imagery (C9
Type:	ndicators: nimum of c 1) (A2) s (B2) t (B4)) ks (B6) on Aerial I ed Concave	magery (Bes Surface (d; check all that appl Water-Stai MLRA Sait Crust Aquatic In Hydrogen Oxidized F X Presence Recent Iro Stunted or 7) Other (Exp B8) No X Depth (incomplete Incomplete Incomplet	y) ined Leav 1, 2, 4A, (B11) verteb et Sulfide C Sthizosph of Reduct n Reduct Stressed blain in Re ches):	ves (B9) (e and 4B) (s (B13) dor (C1) res along ed Iron (C4) ion in Tille i Plants (D emarks)	Living Roo 4) d Soils (C6	Secon W D Sots (C3) X G F F F	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) rost-Heave Hummocks	(C2) (C2) (al Imagery (C9 (LRR A) (D7)
Type:	ndicators: nimum of colling (A2) (S (B2) (B4) (B4) (CONCAVE (B6) (CONCAVE (magery (Bes X	d; check all that appl Water-Stal MLRA Salt Crust Aquatic In: Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8) No X Depth (in: No Depth (in:	y) ined Leav 1, 2, 4A, (B11) verteby Rhizosph f Reduct n Reduct Stressed ches): ches):	ves (B9) (e and 4B) (s (B13) dor (C1) (c) es along ed Iron (C4) in Tille in Plants (Demarks)	Living Root 4) d Soils (C6 1) (LRR A	Secon W D D Sots (C3) G F S) F A A A B A B B B B B B B B	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) rost-Heave Hummocks	(C2) (Imagery (C9) (LRR A)
Type:	ndicators: nimum of colling (A2) (S (B2) (B4) (B4) (CONCAVE (B6) (CONCAVE (magery (Bes X	d; check all that appl Water-Stal MLRA Salt Crust Aquatic In: Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8) No X Depth (in: No Depth (in:	y) ined Leav 1, 2, 4A, (B11) verteby Rhizosph f Reduct n Reduct Stressed ches): ches):	ves (B9) (e and 4B) (s (B13) dor (C1) (c) es along ed Iron (C4) in Tille in Plants (Demarks)	Living Root 4) d Soils (C6 1) (LRR A	Secon W D D Sots (C3) G F S) F A A A B A B B B B B B B B	ndary Indicators (2 or m /ater-Stained Leaves (B 4A, and 4B) rainage Patterns (B10) ry-Season Water Table aturation Visible on Aer eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) rost-Heave Hummocks	(C2) (C2) (al Imagery (C9) (LRR A) (D7)

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

Project/Site: APN 216271013	City/County:	Sampling Date: 4-21-201.
Applicant/Owner: K.G.A.		State: Sampling Point:
	Section, Township, R	
		convex, none): (On(AV) Slope (%): ~5
Subregion (LRR):	Lat: 40.1706an/	Long: -173, 605 9 84.59 Datum: MADO
Soll Map Unit Name: 673	0.00	4 Long: -123.6059.84.59 Datum: NADS
Are climatic / hydrologic conditions on the site typical for	this time of year? YesNo	✓ (If no, explain in Remarks.)
Are Vegetation, Soll, or Hydrology		"Normal Circumstances" present? Yes No X
Are Vegetation $\underline{\mathcal{N}}$, Soil $\underline{\underline{\mathcal{Y}}}$, or Hydrology $\underline{\underline{\mathcal{Y}}}$		eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site ma	p showing sampling point	locations, transects, important features, etc.
	No	por Para Tom a roller & se
	No Is the Sample	The state of the s
Wetland Hydrology Present? Yes		
Remarks: NIS (1 from plot)	Drought conditions	corted potting soil over site -
,	THICK MENOT ON	also, aren compacted as
VEGETATION – Use scientific names of pl	ants.	road in past
Tree Stratum (Piot size:)	Absolute Dominant Indicator <u>% Cover Species? Status</u>	Dominance Test worksheet:
1	A Sever Opecies Colores	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		
3		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: Dm)	= Total Cover	That Are OBL, FACW, or FAC:
1. Roban	40 Y FAC	Prevalence Index worksheet:
2.		Total % Cover of: Multiply by:
3		OBL species x 1 =
4	3.	FACW species x 2 =
5,		FAC species x 3 = FACU species x 4 =
Herb Stratum (Plot size:)	= Total Cover	UPL species x 5 =
1. Becomes disserting	2	Column Totals: (A) (B)
2. Werdha plening	25 Y OBL	
3. Romex polder	10 y FAC	Prevalence Index = B/A =
4. Galism apartie		1 - Rapid Test for Hydrophytic Vegetation
5. Cartura concuscaphala	$-\frac{2}{3}$	2 - Dominance Test is >50%
6. por portextis		3 - Prevalence Index is ≤3.0 ¹
7		4 - Morphological Adaptations (Provide supporting
8. 9.		data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹
10		Problematic Hydrophytic Vegetation ¹ (Explain)
11		Indicators of hydric soil and wetland hydrology must
	47 = Total Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)		W 10
1		Hydrophytic
2		Vegetation
% Bare Ground in Herb Stratum	= Total Cover	
Remarks:		
		; *

OIL Profile Desc	cription: (Describe	to the de	oth needed to docum	nent the	indicator	or confirm	the absence	e of ind	icators.)	
Depth	Matrix			x Feature							
(inches)	Color (moist)	%	Color (moist)	%	Type	_Loc ²	Texture	- A 1		Remarks	- 15
1-6					and the state of the state of	Olfor Sawa Colored		Stor de	rof	Pothi	NJ501/20
- 10	10 YR 3/1		104R3/6	2	0	PL	lann		U	9.1	- / /
	10/R3/1		75/84/4	7	-	۸/۱	Chalana	Δ.			
10-12-	10.712.771		10484/1		N	AA	. 		.0		
	10.6%	-	1046 11		- 12	01146	M.		ir.	7 3 Ta	s or his force
12-18	N25/1		10 YR316	_5_	<u>'_C</u>	PLIM	Clan	-	12-	1000	
				-		-		-		evelagi	NA A
Type: C=C	oncentration. D≔Dep	letion, RM	=Reduced Matrix, CS	=Covere	d or Coate	d Sand G	rains. ² L			re Lining, M	
ydric Soil	Indicators: (Applic	able to al	LRRs, unless other	wise not	ed.)		Indica	tors for	Problem	natic Hydri	c Soils ³ :
Histosol			Sandy Redox (S	35)				cm Muck			\$
Histic E	pipedon (A2)		Stripped Matrix			2	_	ed Paren			Are Land
Black H	istic (A3)		Loamy Mucky N			t MLRA 1)				Surface (T	-12)
	en Sulfide (A4)		Loamy Gleyed		2)		0	tner (Exp	olain in r	Remarks)	
	d Below Dark Surfac	e (A11)	Depleted Matrix X Redox Dark Sur				3Indian	itors of h	vdronhv	tic vegetation	n and
	ark Surface (A12)		Depleted Dark Su							nust be pres	
	Mucky Mineral (S1) Gleyed Matrix (S4)		Redox Depress		',					problematic	
	Layer (if present):		4- (0	1 2							
Туре:										1/	
, ypo										. V	1040407
Depth (in emarks:	ches):		vendiffic	14-6	ا د:لا	relaw	Hydric Sc	oil Prese	ent? Y	es_X	No
temarks:			verdiffic	1+40	d:01	nelow		oil Prese	ont? Y	'es <u> </u>	No
Remarks:		,	vendiffic	14-6	d:01	nelow		oll Prese	ont? Y	'es	No
temarks: YDROLO Vetland Hy	IGY drology Indicators:		9		d:01	relan	18"		8	s (2 or more	no
Primary India	IGY drology Indicators: cators (minimum of c		Very diffic	<i>(</i>)		-10-20	18 // Sec	ondary I	ndicator	s (2 or more	required) (MLRA 1, 2,
POROLO Vetland Hy rimary Indi Surface	OGY drology Indicators: cators (minimum of c Water (A1)		nd; check all that apply	<i>(</i>)	res (B9) («	-10-20	18 // Sec	condary I Water-S	ndicator	s (2 or more	
YDROLO Vetland Hy Primary Indi Surface High Wa	drology Indicators: cators (minimum of o Water (A1) ater Table (A2)		nd; check all that apply	/) ned Leav	res (B9) («	-10-20	Sec	condary I Water-S 4A, a Drainag	ndicator Stained L and 4B) e Patter	s (2 or more eaves (B9)	(MLRA 1, 2,
YDROLO Vetland Hy Primary Indi Surface High We Saturati	OGY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)		ed; check all that apply Water-Stal MLRA	/) ned Leav 1, 2, 4A , : (B11)	es (B9) (e and 4B)	-10-20	Sec	condary I Water-S 4A, a Drainag Dry-Sea	ndicator Stained L and 4B) je Patter ason Wa	s (2 or more .eaves (B9) ns (B10) ter Table (C	(MLRA 1, 2,
YDROLO Vetland Hy Primary Indi Surface High We Saturati Water M	drology Indicators: cators (minimum of o Water (A1) ater Table (A2)		ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv	ned Leav 1, 2, 4A, (B11) rertebrate Sulfide O	res (B9) (eand 4B) es (B13) dor (C1)	except	Sec	condary I Water-S 4A, a Drainag Dry-Sea Saturati	ndicator Stained L and 4B) se Patter ason Wa	s (2 or more eaves (B9) ns (B10) fer Table (C le on Aerial	(MLRA 1, 2,
YDROLO Yetland Hy Primary Indi Surface High Wa Saturati Water M Sedime	or o		ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen S	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O	res (B9) (e and 4B) as (B13) dor (C1) ares along	except		water-S 4A, a Drainag Dry-Sea Saturati Geomoi	ndicator Stained L and 4B) se Patter ason Wa on Visib rphic Por	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2)	(MLRA 1, 2,
YDROLO Yetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)		ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen S Oxidized R	ned Leav 1, 2, 4A, (B11) vertebrate Suffide O thizosphe	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C	except Living Roo		condary I Water-S 4A, a Drainag Dry-Sea Saturati Geomoi Shallow	ndicator Stained L and 4B) le Patter ason Wa ion Visib rphic Por Aquitare	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2) d (D3)	(MLRA 1, 2,
YDROLO Yetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)		ed; check all that apply Water-Stal MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille	except Living Roo 4) d Soils (C0	Sec. ————————————————————————————————————	condary I Water-S 4A, a Drainag Dry-Sea Saturati Geomor Shallow FAC-Ne	ndicator Stained L and 4B) le Patter ason Wa on Visib rphic Por Aquitare eutral Te	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2) d (D3) st (D5)	(MLRA 1, 2, 2) Imagery (C9)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		d; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron	ned Leav 1, 2, 4A, i (B11) vertebrate Sulfide O chizosphe of Reduct Neducti	res (B9) (e and 4B) as (B13) dor (C1) res along ed Iron (C ion in Tille Plants (D	except Living Roo 4) d Soils (C0	Sec. ————————————————————————————————————	condary I Water-S 4A, a Drainag Dry-Sea Saturati Geomor Shallow FAC-Ne Raised	ndicator Stained L and 4B) le Patter ason Wa ion Visib rphic Por Aquitare autral Te Ant Mou	s (2 or more eaves (B9) ns (B10) fer Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L	(MLRA 1, 2, 2) Imagery (C9)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	one require	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen : Oxidized R Presence of Recent Iroi	ned Leav 1, 2, 4A, i (B11) vertebrate Sulfide O chizosphe of Reduct Neducti	res (B9) (e and 4B) as (B13) dor (C1) res along ed Iron (C ion in Tille Plants (D	except Living Roo 4) d Soils (C0	Sec. ————————————————————————————————————	condary I Water-S 4A, a Drainag Dry-Sea Saturati Geomor Shallow FAC-Ne Raised	ndicator Stained L and 4B) le Patter ason Wa ion Visib rphic Por Aquitare autral Te Ant Mou	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2) d (D3) st (D5)	(MLRA 1, 2, 2) Imagery (C9)
YDROLO Vetland Hy Primary Indi Surface High Water M Sedime Drift De Algal March Iron De Surface Inundati	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	ne require	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen : Oxidized R Presence of Recent Iron Stunted or Other (Exp	ned Leav 1, 2, 4A, i (B11) vertebrate Sulfide O chizosphe of Reduct Neducti	res (B9) (e and 4B) as (B13) dor (C1) res along ed Iron (C ion in Tille Plants (D	except Living Roo 4) d Soils (C0	Sec. ————————————————————————————————————	condary I Water-S 4A, a Drainag Dry-Sea Saturati Geomor Shallow FAC-Ne Raised	ndicator Stained L and 4B) le Patter ason Wa ion Visib rphic Por Aquitare autral Te Ant Mou	s (2 or more eaves (B9) ns (B10) fer Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L	(MLRA 1, 2, 2) Imagery (C9)
YDROLO Vetland Hy Primary Indi Surface High Wi Saturati Water M Sedime Drift De Algal M: Iron De Surface Inundati Sparsel	drology Indicators: cators (minimum of of the Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concaveryations:	ne require Imagery (E e Surface	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen : Oxidized R Presence of Recent Iron Stunted or (B8)	ned Leav 1, 2, 4A, 1 (B11) rertebrate Sulfide O thizosphe of Reduct n Reduct Stressed	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille Plants (D emarks)	Living Roo 4) d Soils (Ct	Sec. ————————————————————————————————————	condary I Water-S 4A, a Drainag Dry-Sea Saturati Geomor Shallow FAC-Ne Raised	ndicator Stained L and 4B) le Patter ason Wa ion Visib rphic Por Aquitare autral Te Ant Mou	s (2 or more eaves (B9) ns (B10) fer Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L	(MLRA 1, 2, 2) Imagery (C9)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron Del Surface Inundati Sparsel	drology Indicators: cators (minimum of of the Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concaveryations:	ne require Imagery (E e Surface	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen : Oxidized R Presence of Recent Iron Stunted or Other (Exp	ned Leav 1, 2, 4A, 1 (B11) rertebrate Sulfide O thizosphe of Reduct n Reduct Stressed	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille Plants (D emarks)	Living Roo 4) d Soils (Ct	Sec. ————————————————————————————————————	condary I Water-S 4A, a Drainag Dry-Sea Saturati Geomor Shallow FAC-Ne Raised	ndicator Stained L and 4B) le Patter ason Wa ion Visib rphic Por Aquitare autral Te Ant Mou	s (2 or more eaves (B9) ns (B10) fer Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L	(MLRA 1, 2, 2) Imagery (C9)
YDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron Del Surface Inundati Sparsel	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Y	Imagery (E e Surface 'es	Mater-Stail Water-Stail MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp (B8)	ned Leav 1, 2, 4A, (B11) vertebrate Suffide O thizosphe of Reduct Stressed stain in Re ches); ches);	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille Plants (D emarks)	Living Roo 4) d Soils (C6	Sec 	water-S 4A, a Drainag Dry-Sea Saturati Geomoi Shallow FAC-Ne Raised Frost-He	ndicator Stained L and 4B) se Patter ason Wa ion Visib rephic Por Aquitan eutral Te Ant Mou eave Hu	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L mmocks (D	(MLRA 1, 2, 2) Imagery (C9) RR A) 7)
YDROLO Vetland Hy Primary Indi Surface High Water M Sedime Drift De Algal March Iron Del Surface Inundati Sparsel Field Obsers Surface Water Table	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Y	Imagery (E e Surface 'es	Mater-Stail Water-Stail MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp	ned Leav 1, 2, 4A, (B11) vertebrate Suffide O thizosphe of Reduct Stressed stain in Re ches); ches);	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille Plants (D emarks)	Living Roo 4) d Soils (C6	Sec. ————————————————————————————————————	water-S 4A, a Drainag Dry-Sea Saturati Geomoi Shallow FAC-Ne Raised Frost-He	ndicator Stained L and 4B) se Patter ason Wa ion Visib rephic Por Aquitan eutral Te Ant Mou eave Hu	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L mmocks (D	(MLRA 1, 2, 2) Imagery (C9) RR A) 7)
YDROLO Vetland Hy Primary Indi Surface High Water M Sedime Drift De Algal Marco Iron Del Surface Inundati Sparsel Field Obser Surface Water Table	drology Indicators: cators (minimum of of water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Sail Cracks (B6) lon Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Y pillary fringe)	Imagery (E e Surface 'es 'es	water-Stail Water-Stail MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp (B8) No X Depth (Inc No Depth (inc	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressed dain in Re ches): thes):	res (B9) (cand 4B) as (B13) dor (C1) bres along ed Iron (Cition in Tille Plants (Demarks)	Living Root 4) d Soils (C6 1) (LRR A	Seconds (C3) X Signature (C3) X And Hydrold	water-S 4A, a Drainag Dry-Sea Saturati Geomoi Shallow FAC-Ne Raised Frost-He	ndicator Stained L and 4B) se Patter ason Wa ion Visib rephic Por Aquitan eutral Te Ant Mou eave Hu	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L mmocks (D	(MLRA 1, 2, 2) Imagery (C9) RR A) 7)
YDROLO Vetland Hy Primary Indi Surface High Water M Sedime Drift De Algal Marco Iron Del Surface Inundati Sparsel Field Obser Surface Water Table	drology Indicators: cators (minimum of of water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Sail Cracks (B6) lon Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Y pillary fringe)	Imagery (E e Surface 'es 'es	Mater-Stail Water-Stail MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp (B8)	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressed dain in Re ches): thes):	res (B9) (cand 4B) as (B13) dor (C1) bres along ed Iron (Cition in Tille Plants (Demarks)	Living Root 4) d Soils (C6 1) (LRR A	Seconds (C3) X Signature (C3) X And Hydrold	water-S 4A, a Drainag Dry-Sea Saturati Geomoi Shallow FAC-Ne Raised Frost-He	ndicator Stained L and 4B) se Patter ason Wa ion Visib rephic Por Aquitan eutral Te Ant Mou eave Hu	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L mmocks (D	(MLRA 1, 2, 2) Imagery (C9) RR A) 7)
YDROLO Wetland Hy Primary Indi Surface High Water M Sedime Drift De Algal Marcon Iron Del Surface Inundati Sparsel Field Obsers Surface Water Table Saturation Pel Includes ca	drology Indicators: cators (minimum of of water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Sail Cracks (B6) lon Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Y pillary fringe)	Imagery (E e Surface 'es 'es	water-Stail Water-Stail MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp (B8) No X Depth (Inc No Depth (inc	ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressed dain in Re ches): thes):	res (B9) (cand 4B) as (B13) dor (C1) bres along ed Iron (Cition in Tille Plants (Demarks)	Living Root 4) d Soils (C6 1) (LRR A	Seconds (C3) X Signature (C3) X And Hydrold	water-S 4A, a Drainag Dry-Sea Saturati Geomoi Shallow FAC-Ne Raised Frost-He	ndicator Stained L and 4B) se Patter ason Wa ion Visib rephic Por Aquitan eutral Te Ant Mou eave Hu	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L mmocks (D	(MLRA 1, 2, 2) Imagery (C9) RR A) 7)
YDROLO Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Surface Inundati Sparsel Field Obser Surface Water Table Saturation P Includes ca Describe Re	drology Indicators: cators (minimum of or Water (A1) alter Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Present? Y Present? Present? Present? Y Present?	Imagery (Ee Surface Yes YesX I gauge, m	Mater-Stail Water-Stail MLRA Salt Crust Aquatic Inv. Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp. (B8) No X Depth (Inc. No Depth (inc. Onlitering well, aerial presence of the control of the contro	ned Leaven 1, 2, 4A, (B11) vertebrate Sulfide Ochizosphe of Reduction Reduct	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (Cion in Tille Plants (Demarks)	Living Root 4) d Soils (Ct 1) (LRR A	Seconds (C3) X and Hydrold if available:	condary I Water-S 4A, a Drainag Dry-Sea Saturati Geomor Shallow FAC-Ne Raised Frost-He	ndicator Stained L and 4B) le Patter ason Wa ion Visib rphic Por Aquitare autral Te Ant Mou eave Hu	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L mmocks (D	(MLRA 1, 2, 2) Imagery (C9) RR A) 7)
YDROLO Yetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Surface Inundati Sparsel Sield Obser Surface Water Table Saturation Pelncludes ca	drology Indicators: cators (minimum of of water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Sail Cracks (B6) lon Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Y pillary fringe)	Imagery (Ee Surface Yes YesX I gauge, m	Mater-Stail Water-Stail MLRA Salt Crust Aquatic Inv. Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp. (B8) No X Depth (Inc. No Depth (inc. Onlitering well, aerial presence of the control of the contro	ned Leaven 1, 2, 4A, (B11) vertebrate Sulfide Ochizosphe of Reduction Reduct	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (Cion in Tille Plants (Demarks)	Living Root 4) d Soils (Ct 1) (LRR A	Seconds (C3) X Signature (C3) X And Hydrold	condary I Water-S 4A, a Drainag Dry-Sea Saturati Geomor Shallow FAC-Ne Raised Frost-He	ndicator Stained L and 4B) le Patter ason Wa ion Visib rphic Por Aquitare autral Te Ant Mou eave Hu	s (2 or more eaves (B9) ns (B10) ter Table (C le on Aerial sition (D2) d (D3) st (D5) inds (D6) (L mmocks (D	(MLRA 1, 2, 2) Imagery (C9) RR A) 7)