

# **Aquatic Resources Impact Assessment**

APN: 214-142-012

# **Prepared by:**

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# **Prepared for:**

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## **APPENDICES**

- A. Wetland Determination Data Forms
- B. Google Earth Images

#### 1. INTRODUCTION

This aquatic resource impact assessment was conducted on APN: 214-142-012 to address the requirement in the February 5, 2021, Cleanup and Abatement Order (R1-2021-0003) (COA) issued by the North Coast Regional Water Control Board (Water Board) to provide:

"An assessment of any direct and indirect impact to any waters of the state on the Property, including, but not limited to, rivers, streams, seeps, springs, bogs, and wetlands, caused by unauthorized activities, including all areas that have been developed or distributed..."

The subsequent October 4, 2021, Water Board Notice of Violation (NOV) recommends:

"...complete a comprehensive impact assessment to determine whether wetlands or other aquatic resources were impacted at any current or past cultivation sites on the Property."

Impacts to aquatic resources at two of the cultivation sites (B and C) were addressed in the 2019 Aquatic Resources Delineation. This report includes similar impact assessment of five additional sites on the property (A, D, E, F, and G) and will serve as a basis for a Cleanup, Restoration, and Monitoring Plan (CRMP).

#### 2. DEFINITIONS

#### 2.1. Waters of the United States

Waters of the United States are regulated by the U.S Army Corps of Engineers (Army Corps) under the Clean Water Act. Waters of the United States include, but are not limited to, territorial seas, waters used for interstate or foreign commerce and their tributaries, and waters adjacent to the aforementioned, including wetlands.

Army Corps jurisdiction in waters such as creeks and rivers includes the area below the ordinary high water mark, which is the line on the bank established by fluctuations of water that leave physical characteristics such as a distinct line on the bank, shelving, destruction of terrestrial vegetation, and presence of debris.

The Army Corps defines wetlands as:

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

#### 2.2. Waters of the State

Waters of the state are regulated by the State Water Resources Control Board (Water Board) under the Porter-Cologne Water Quality Control Act. Waters of the state are defined as:

"... any surface water or groundwater, including saline waters, within the boundaries of the state."

Waters of the State includes water in both natural and artificial channels.

The Water Board's definition of a wetland is:

"An area is wetland if, under normal circumstances, (1) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both; (2) the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and (3) the area's vegetation is dominated by hydrophytes or the area lacks vegetation."

#### 2.3. Streamside Management Areas

The Humboldt County Streamside Management Areas and Wetlands Ordinance recognizes Streamside Management Areas (SMAs) along all streams and wetlands.

The SMAs for streams are defined as:

"One hundred (100) feet, measured as the horizontal distance from the top of bank or edge of riparian drip-line whichever is greater on either side of perennial streams."

"Fifty (50) feet, measured as the horizontal distance from the top of bank or edge of riparian drip-line whichever is greater on either side of intermittent streams."

The SMAs for wetlands are defined as:

Seasonal wetlands = fifty (50) feet Perennial wetlands = one hundred fifty (150) feet

The Water Board *Cannabis Cultivation Policy* (Water Board 2019) also includes setbacks from aquatic resources. These include:

Perennial watercourses, waterbodies, or springs = 150 feet Intermittent (Class II) watercourses or wetlands = 100 feet Ephemeral (Class III) watercourses = 50 feet

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#### 3. ENVIRONMENTAL SETTING

#### 3.1. Project Location

The parcel is located approximately 3.5 miles northeast of Redway on the Miranda USGS quadrangle (Section 25, T3S, R3E) in Humboldt County (Figure 1).

#### 3.2. Soil, Topography, and Hydrology

The soil type mapped on the parcel is Coyoterock-Yorknorth, 15 to 50 percent slopes (United States Department of Agriculture, Natural Resource Conservation Service 2022). This soil type is derived from sandstone, mudstone, and schist parent material. The parcel includes several streams, wetlands, and ponds that are tributary to the South Fork Eel River.

#### 4. METHODS

#### 4.1. Aquatic Resources

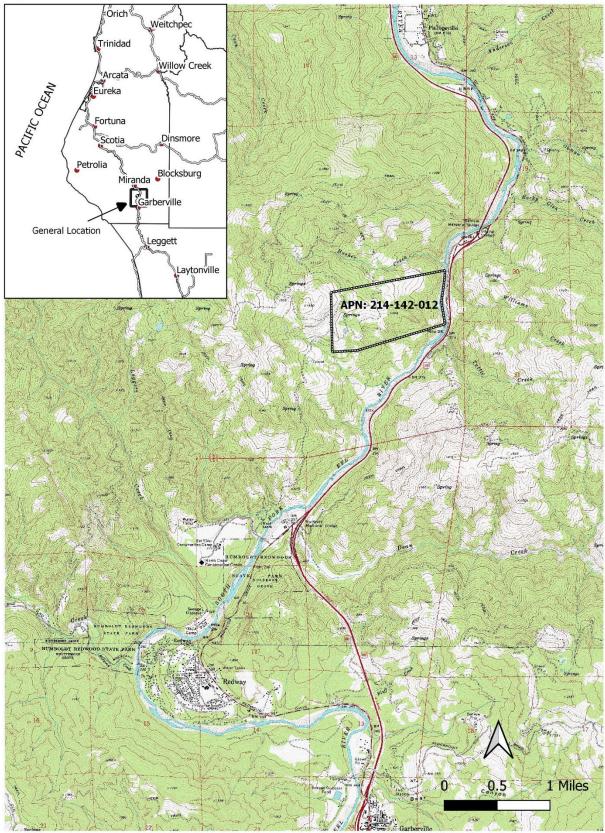
Site visits were conducted on September 1, 2021, and January 27, 2022. Five current and past cultivation sites were evaluated for potential impacts to aquatic resources (Figure 2). Where present, wetlands were delineated by Kyle Wear, M.A. Mr. Wear has over 25 years of experience conducting floristic surveys and other botanical work in northern California and over 15 years of experience conducting wetland delineations. Mr. Wear is also trained in wetland delineation by the Wetland Training Institute.

Federal, State, and County wetland delineation methods follow the 1987 Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual Western Mountains, Valleys, and Coast Region (Version 2.0) (Army Corps 2010). A positive wetland determination is made when all three wetland parameters (hydrophytic vegetation, hydric soil, and wetland hydrology) are present.

Streams are delineated based on their Ordinary High Water Mark following *A Guide to Ordinary High Water Mark (OHWN) Delineation for Non-Perennial Streams in the Western Mountains, Valleys and Coast Region* (Army Corps 2014). The County Streamside Management Areas and Wetlands Ordinance also considers the top of the bank and any associated riparian vegetation when establishing watercourse boundaries.

Seven sample plots were evaluated for hydrophytic vegetation, hydric soil, and wetland hydrology at three of the sites where wetlands were identified (Appendix A). The wetland boundaries were mapped with a handheld GPS unit.

Figure 1. Location Map.







#### 4.2. Impact Assessment

National Agricultural Imagery Program (NAIP) and Google Earth images were evaluated to compare the pre-and post-development conditions of the sites. The following images were evaluated, but are not necessarily provided in the figures, photos, or discussion in this report:

NAIP Images: 2005, 2009, 2012, 2014, 2016, 2018, and 2020 Google Earth: 11/2004, 12/2005, 6/2009, 9/2010, 8/2012, 5/2014, 10/2015, and 4/2019

The delineated wetland boundary shapefile was overlaid on and pre-and post-disturbance NAIP images. Additional wetlands visible in the pre-disturbance images were hand digitized; these areas were identified based on their similar colors and patterns to the undisturbed adjacent wetlands in the images. Polygon area calculations were made with QGIS 3.10 software. While every attempt was made to make this as accurate as possible, the resolution of the photos, accuracy of the base maps, and other factors could affect the accuracy of the maps and calculations.

#### 5. RESULTS AND DISCUSSION

There were impacts to aquatic resources at four of the five sites. This includes filling of seasonal wetlands and Class III stream channels (Table 1).

Table 1. Impact Summary.

	TOTA	TOTAL		WETLAND		
Site	<b>Square Feet</b>	Acres	<b>Square Feet</b>	Acres	Feet	
Α	88,375	2.029	0	0	158	
D	84,368	1.937	673	0.015	0	
E	45,436	1.043	0	0	220	
F	16,309	0.374	0	0	0	
G	13,257	0.304	1,511	0.035	68	
TOTAL	247,745	5.687	2,184	0.050	446	

#### 5.1. Site A

#### 5.1.1 Aquatic Resources

The site is currently used for cultivation and includes a mixed light greenhouse and generators. There is a feature in the undisturbed area near the top of the cutbank that includes a small gulch above a small seasonal wetland (Figure 3). The feature is an erosional feature or earthflow sag and is not continuous with the impacted area. The feature is obscured by adjacent upland vegetation canopy and is not visible in aerial images. The small wetland is dominated by rushes (*Juncus effusus* [FACW] and *J. Patens* [FACW]) (Sample Point 1). The soil is 10yr 2/2 with 7.5yr redox concentrations and meets hydric soil indicator F6 (Redox Dark Surface). This area was sampled in September 2021 during a drought year; however, the small feature includes secondary hydrology indicators B10 (Drainage Patters), D2 (Geomorphic Position), and D5 (FAC-Neutral Test).

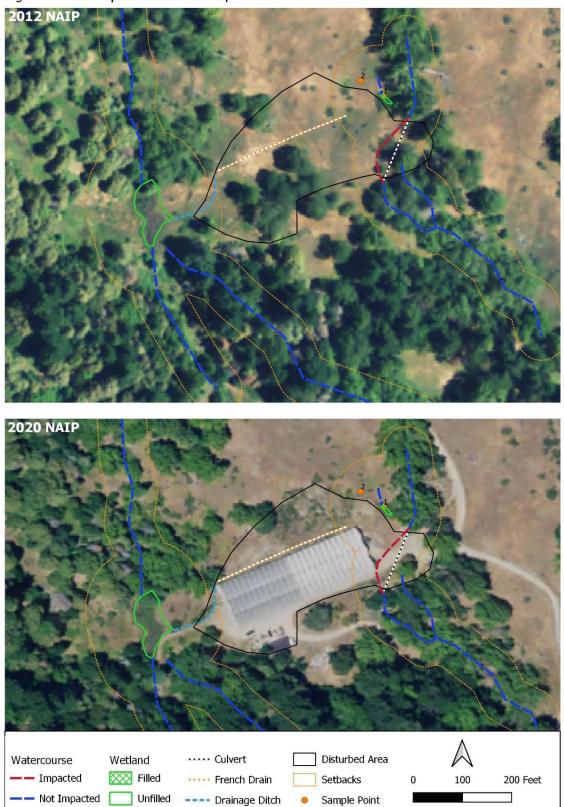
The adjacent upland includes grasslands with orchard grass (*Dactylis glomerata* [FACU]), rattlesnake grass (*Briza maxima* [UPL]), and Mediterranean barley (*Hordeum marinum* [FAC]) (Sample Point 2). There are also stands of coyote brush (*Baccharis pilularis* [UPL]), Douglas-fir (*Pseudotsuga menziesii* [FACU]), Oregon white oak (*Quercus garryana* [FACU]), buckeye (*Aesculus californica* [UPL]), and California bay (*Umbellularia californica* [FAC]). The upland soil is generally 10yr 2/2 and lacks redox features or other hydric soil indicators.

There is a Class III watercourse east of the graded flat. The cutbank includes seasonal bank seeps that drain into a French Drain along the base of the slope, then west into a drainage ditch, and into wetland associated with a Class II watercourse. The bank seeps are a result of daylighting groundwater that was otherwise well beneath the surface and are not natural wetland features.

#### 5.1.2. Impact Assessment

The site was graded between August 2012 and May 2014. The total impacted area is approximately 88,375 square feet (2.029 acres). There has been concern raised that a part of the disturbed area that appears darker brownish green than the adjacent grassland in some of the pre-disturbance images could be wetland, especially the 2005 images. However, in the 2012 Google Earth image, which has higher resolution, the area appears to be grassland, coyote

Figure 3. Site A Aquatic Resources Map.



brush, oaks, and other hardwoods indicative of upland conditions (Appendix B). There is no evidence of rushes typically visible in the images in other wetlands on the property. Similar color is also present elsewhere on the same images in areas on the property that are undisturbed that are upland.

A July 2021 report by Trinity Valley Consulting Engineers indicates the Class III stream is diverted from its original channel into a culvert under the access road. This resulted in the filling of approximately 158 feet of the channel.

#### 5.2. Site D

#### 5.2.1. Aquatic Resources

There is a small seasonal wetland in a depression on an earthflow sag just west of the graded flat (Figure 4). Dominant plants in the wetland include nut grass (*Cyperus eragrostis* [FACW]), rush (*Juncus effusus* [FACW]), and pennyroyal (*Mentha pelugium* [OBL]) (Sample Point 6). The soil is generally 10yr 4/1 with 7.5yr redox concentrations and meets hydric soil indicator F3 (Depleted Matrix). The water table was approximately eight inches below the surface with saturation to approximately three inches. There was an algal mat over some of the wetland. Wetland hydrology indicators present included A2 (High Water Table), A3 (Saturation), and B4 (Algal Mat or Crust).

The adjacent upland is grassland with stands of orchard grass (*Dactylis glomerata* [FACU]) and other grasses (Sample Point 7). There are nearby stands of coyote brush (*Baccharis pilularis* [UPL]). Coyote brush is also establishing in the raised beds that remain on the flat.

There is a Class III stream near the southwest corner of the disturbed area. Like Site A, grading exposed the water table on the cutbank resulting in seasonal seeps that drain onto the flat, but these are not natural features.

#### 5.2.2. Impact Assessment

Development of the site is first visible in 2018. Cultivation at the site appears to have ceased by 2019. The disturbed area is approximately 84,368 square feet (1.937 acres). Approximately 673 square feet (0.015 acre) of the wetland visible on pre-disturbance images is under the toe of the fillslope.

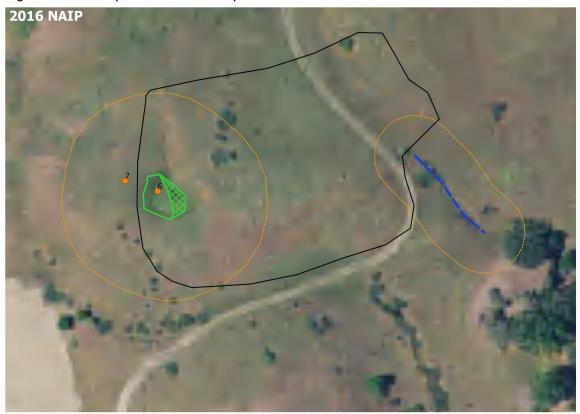
The nearby Class III watercourse does not appear to have been impacted. The current top of the watercourse is consistent with pre-disturbance images (Appendix B).

#### 5.3. Site E

#### 5.3.1. Aquatic Resources

There are no wetlands near the site (Figure 5). There are stands of nut grass (*Cyperus eragrostis* [FACW]) on the flat associated with areas where runoff concentrates, but it is not a natural wetland feature. The surrounding grassland has upland vegetation with stands of orchard grass (*Dactylis glomerata* [FACU]), rattlesnake grass (*Briza maxima* [UPL]), Mediterranean barley (*Hordeum marinum* [FAC]), rough cat's-ear (*Hypochaeris radicata* [FACU]), and coyote brush

Figure 4. Site D Aquatic Resources Map.



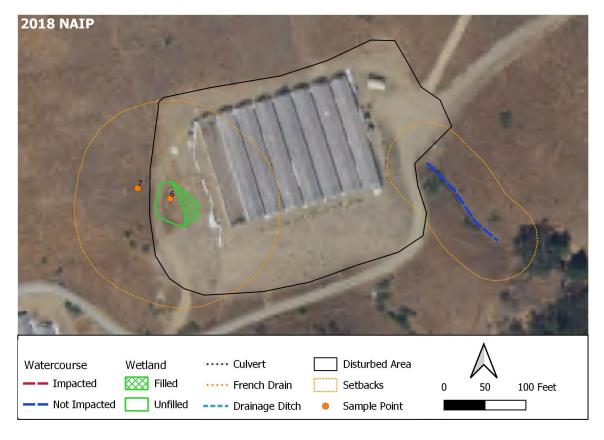
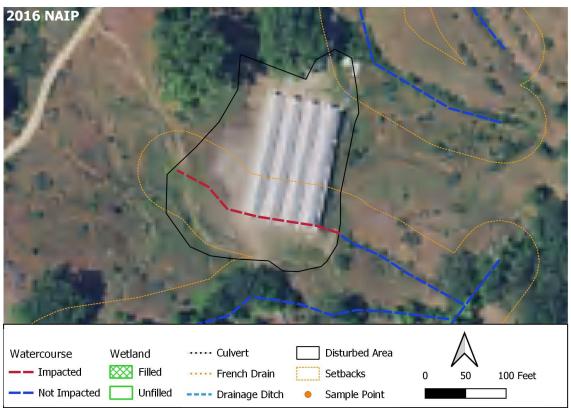




Figure 5. Site E Aquatic Resources Map.



(Baccharis pilularis [UPL]). The surrounding trees include Douglas-fir (Pseudotsuga menziesii [FACU]), Oregon white oak (Quercus garryana [FACU]), and California bay (Umbellularia californica [FAC]).

There are five Class III streams northeast, east, and south of the disturbed area.

#### 5.3.2. Impact Assessment

Grading occurred between 2009 and 2012. The site was used for cultivation until at least 2016. The total disturbed area is approximately 45,436 square feet (1.043 acres), which included approximately 220 feet of a Class III watercourse (Appendix B). There is no evidence of wetlands in the pre-disturbance images.

#### 5.4. Site F

#### 5.4.1. Aquatic Resources

There are no wetlands or streams near the site (Figure 6). There is a small patch of nut grass (*Cyperus eragrostis* [FACW]) and pennyroyal (*Mentha pelugium* [OBL]) associated with drainage from the flat, but it is not a natural feature. The surrounding grassland includes California oatgrass (*Danthonia californica* [FAC]), blue wildrye (*Elymus glaucus* [FACU]), rattlesnake grass (*Briza maxima* [UPL]), bracken fern (*Pteridium aquilinum* [FACU]), rough cat's-ear (*Hypochaeris radicata* [FACU]), and scattered coyote brush (*Baccharis pilularis* [UPL]). The surrounding trees include Douglas-fir (*Pseudotsuga menziesii* [FACU]), Oregon white oak (*Quercus garryana* [FACU]), madrone (*Arbutus menziesii* [UPL]), and California bay (*Umbellularia californica* [FAC]).

#### 5.4.2. Impact Assessment

The site was graded between 2014 and 2016. The site was used for cultivation until at least 2018. The total impacted area is approximately 16,309 square feet (0.374 acre). No aquatic resources were impacted.

#### 5.5. Site G

#### 5.5.1. Aquatic Resources

There is a seasonal wetland directly west of the disturbed area (Figure 7). The wetland includes stands of rushes (*Juncus effusus* [FACW] and *J. Patens* [FACW]), nut grass (*Cyperus eragrostis* [FACW]), and pennyroyal (*Mentha pelugium* [OBL]) (Sample Points 3 and 5). The soil in the wetland is generally 10yr 4/1 with 7.5yr 5/6 redox concentrations. The soil meets hydric soil indicator F3 (Depleted Matrix). Wetland hydrology indicators present included A1 (Surface Water), A2 (High Water Table), and A3 (Saturation).

The adjacent upland includes stands of coyote brush (*Baccharis pilularis* [UPL]) and grassland with orchard grass (*Dactylis glomerata* [FACU]), harding grass (*Phalaris aquatica* [FACU]), six weeks fescue (*Festuca myuros* [FACU]), rattlesnake grass (*Briza maxima* [UPL]), and rough cat's

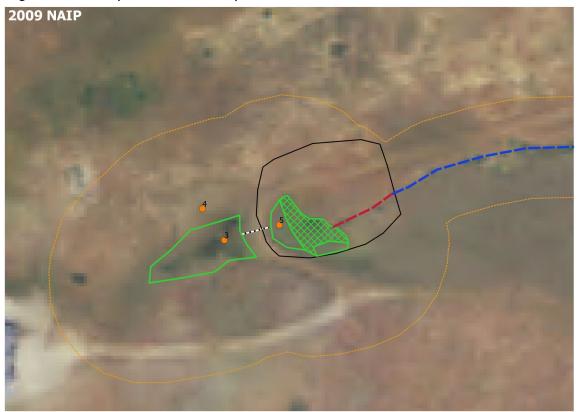
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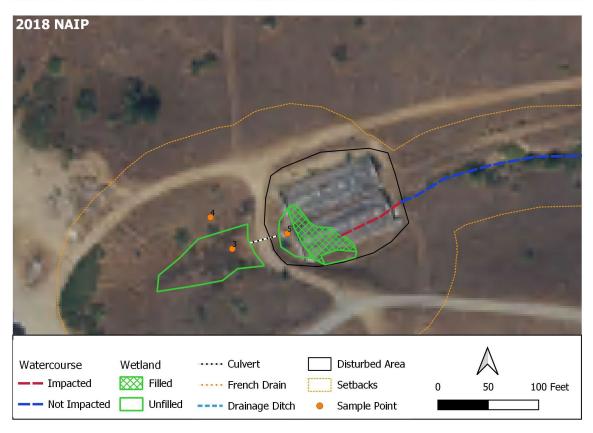
Figure 6. Site F Aquatic Resources Map.





Figure 7. Site G Aquatic Resources Map.





ear (*Hypochaeris radicata* [FACU]) (Sample Point 4). The soil is generally 10yr 3/3 without redox features or other hydric soil or wetland hydrology indicators.

A Class III watercourse flows east from the disturbed area.

#### 5.5.2. Impact Assessment

The area was graded between June 2009 and September 2010 and used for cultivation until at least 2016. The total impacted area is approximately 13,257 square feet (0.304 acre). The wetland and upper extent of the Class III watercourse extend under the graded area in the predisturbance images. Approximately 1,511 square feet (0.035 acre) of wetland and approximately 68 feet of the Class III watercourse were filled. The road through the wetland was not included in the impacted area because it is visible in 2004 and is a baseline condition.

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Project/Site: APN: 214-142-012		City/Count	<sub>y:</sub> <u>Humb</u>	<u>oldt</u>	Sampling Date:	9-1-21
Applicant/Owner: Y. Jacobson				State: CA	Sampling Point:	
Investigator(s): Kyle Wear		Section, T	ownship, Rai	nge: 25, T3S, R3E	, , , , , , , , , , , , , , , , , , ,	
Landform (hillslope, terrace, etc.): Hillslope		Local relie	ef (concave,	convex, none): Concav	ve Slope	(%):10
Subregion (LRR): A	<del>Lat</del> :	E 43199	9.1	_ المصور N 444696	54.0 Datum:	NAD 83
Soil Map Unit Name: Coyoterock-Yorknorth	726 90-			NWI classific	ation:	N-
Are climatic / hydrologic conditions on the site typical for this	s time of ye	ar? Yes_	X No_	(If no, explain in R	emarks.)	
Are Vegetation, Soil, or Hydrologys	ignificantly	disturbed?	Are "	"Normal Circumstances" p	resent? Yes X	_ No
Are Vegetation, Soil, or Hydrologyn	aturally pro	blematic?	(If ne	eeded, explain any answer	rs in Remarks.)	
SUMMARY OF FINDINGS - Attach site map	showing	samplii	ng point l	ocations, transects	, important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X N	o					
	°		he Sampled	IArea nd?	NO	
Wetland Hydrology Present? Yes X N	o	Witi	nin a vvetiar	10? Yes	No	
Remarks: Plot is in small depression or earthfl	low sag v	with dra	inage/er	osion feature above	e	
Thotas in small depression of earthin	iow sag v	with ara	iiiiage/ei	531011 Teature above	C	
VEGETATION – Use scientific names of plan	te					
VEGETATION See Scientific flames of plan		Dominan	t Indicator	Dominance Test work	sheet:	
Tree Stratum (Plot size:)	% Cover	Species?	? Status	Number of Dominant Sp		
1				That Are OBL, FACW, o	or FAC:	(A)
2				Total Number of Domina		
3	-			Species Across All Stra	ta: <u>4</u>	(B)
5.40 in factors		= Total C	over	Percent of Dominant Sp		) /A/D\
Sapling/Shrub Stratum (Plot size: 5x10 in feature			0001	That Are OBL, FACW, or Prevalence Index work		(A/B)
Baccharis pilularis	_ <u>10</u>	Yes	_UPL_	TO STANDARD TO THE PROPERTY OF THE PARTY OF	Multiply b	nv.
2. Toxicodendron diversilobum	20	Yes	FAC	OBL species	28 10 22 71.07	
3	-,,	(i)	<del>-</del> 50. <del></del> 1	FACW species		
4		3.23 <del>.</del>	-100	FAC species		
5	30	ACON NO ACONOMIC	-0	FACU species		
Herb Stratum (Plot size 5x10 in feature		_= Total C	over	UPL species		
1. Juncus effusus	20	Yes	FACW	Column Totals:		
2. Juncus patens	10	Yes	FACW			
3. Holcus lanatus	5	No	FAC	Hydrophytic Vegetation	= B/A = on Indicators:	
4. Carex tumulicola	2	No	FAC	1 - Rapid Test for H		on
5				X 2 - Dominance Tes		
6				3 - Prevalence Inde		
7				4 - Morphological A	Adaptations <sup>1</sup> (Provide	supporting
8	26	20 <u></u>	-m		s or on a separate sh	neet)
9	-,o,	·	-0	5 - Wetland Non-Va		
10			-	Problematic Hydrop		6 6
11		20 00 40000	-0.0	<sup>1</sup> Indicators of hydric soil be present, unless distu		
Woody Vine Stratum (Plot size:)	3/	_= Total Co	over			
1				Hydrophytic		
2.				Vegetation	Υ	
		 _= Total Co	over	Present? Yes	s No	<del></del>
% Bare Ground in Herb Stratum	3 <del>4</del>					
Remarks:						

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of	cators.) Remarks
(inches) Color (moist) % Color (moist) % Type¹ Loc² Texture	Remarks
	Remarks
0-12 10 yr 2/1 7.5 yr 6/6 5 C M Clay loam	
	PL=Pore Lining, M=Matrix.
	Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5) 2 cm Muck	A 20-13-00-2017-
TO THE PROPERTY OF THE PROPERT	Material (TF2)
THE PROPERTY OF THE PROPERTY O	w Dark Surface (TF12) ain in Remarks)
Depleted Below Dark Surface (A11) Depleted Matrix (F3)	ziii iii rromaino)
	drophytic vegetation and
to the second of	ology must be present,
	bed or problematic.
Restrictive Layer (if present):	
Type:	V 11
Depth (inches): Hydric Soil Preser  Remarks:	nt? Yes X No
IVPPOLOCY	
HYDROLOGY Wetland Hydrology Indicators:	
- SECRETARIO CONTROL - SECURIO CONTROL - ADMINISTRA CONTROL - SECURIO CONTROL - SECU	dicators (2 or more required)
	ained Leaves (B9) (MLRA 1, 2
	nd 4B)
2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Patterns (B10)
	son Water Table (C2)
Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation	n Visible on Aerial Imagery (C9
Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3)X Geomorp	phic Position (D2)
Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow A	Aquitard (D3)
Iron Denocite (D5)  Deposit Iron Deduction in Tilled Calls (CC)	ıtral Test (D5)
	nt Mounds (D6) (LRR A)
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised A	ave Hummocks (D7)
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised A Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-He	
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Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised A Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-He Sparsely Vegetated Concave Surface (B8)  Field Observations:  Surface Water Present? Yes NoX Depth (inches):	
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Project/Site: APN: 214-142-012	c	City/County:	<u> Humb</u>	<u>oldt</u>	Sampling Date: _	9-1-21
Applicant/Owner: Y. Jacobson	C.	58.0		State: CA	Sampling Point: _	2
12 1 144				nge:		
· · · · · · · · · · · · · · · · · · ·				convex, none): Convex		
Subregion (LRR): A						
Soil Map Unit Name: Coyoterock-Yorknorth				NWI classific	ation:	
Are climatic / hydrologic conditions on the site typical for this t	ime of yea	ar? Yes	<u> </u>	(If no, explain in Re	emarks.)	
Are Vegetation, Soil, or Hydrology sig	nificantly o	disturbed?	Are "	'Normal Circumstances" p	resent? Yes	X_ No
Are Vegetation, Soil, or Hydrology nat	turally prob	blematic?	(If ne	eeded, explain any answer	rs in Remarks.)	
SUMMARY OF FINDINGS - Attach site map si	howing	sampling	g point le	ocations, transects	, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes No	X		2000		100	206
Hydric Soil Present? Yes No	X		e Sampled		No X	
Wetland Hydrology Present? Yes No	<u></u>	WILLI	in a Wetlar	iu? Tes		
Remarks:						
VEGETATION – Use scientific names of plants	 3.					
	Absolute			Dominance Test work	sheet:	
		Species?		Number of Dominant Sp		740
1 2				That Are OBL, FACW, o	JI FAC	(A)
3.				Total Number of Domina Species Across All Strate		(B)
4.			1 <del> </del>	59	X SACTIVES OF	
20'-radius		= Total Co	ver	Percent of Dominant Sp That Are OBL, FACW, of		6 (A/B)
Sapling/Shrub Stratum (Plot size: 20'-radius)  1. Baccharis pilularis	20	Yes	UPL	Prevalence Index work	ksheet:	
2.			_UPL_	Total % Cover of:	Multiply	/ by:
3.			2	OBL species		
4.				FACW species		
5				FAC species	100	
3		= Total Co		FACU species		
Herb Stratum (Plot size: 5'-radius )	50		FACIL	UPL species  Column Totals:		
Dactylis glomerata     Festuca arundinacea		9		Column rotals.	(A)	(D)
3 Briza maxima	<u>10</u>	No_	FAC		= B/A =	
Hordeum marinum	<u>10</u> 10	No No	<u>UPL</u> FAC	Hydrophytic Vegetation		*
	<del></del>	·	8	1 - Rapid Test for H		ation
5				2 - Dominance Tes		
6				3 - Prevalence Inde		
7				4 - Morphological A	Adaptations' (Provi s or on a separate :	de supporting   sheet)
8 9				5 - Wetland Non-Va	25	,
10				Problematic Hydrop		(Explain)
11				Indicators of hydric soil	1 450 HB H	8 5 0
	80	= Total Cov	/er	be present, unless distu	irbed or problemat	ic.
Woody Vine Stratum (Plot size:)						
1				Hydrophytic		
2				Vegetation Present? Yes	s No	X
% Bare Ground in Herb Stratum		= Total Cov	er	100		
Remarks:						

SOIL			Sampling Point:2
Profile Description: (Des	cribe to the de	pth needed to document the indicator or o	confirm the absence of indicators.)
	atrix	Redox Features	
(inches) Color (mo		Color (moist) % Type <sup>1</sup> I	Loc <sup>2</sup> Texture Remarks
0-12 10 yr 2	/2		Clay loam
	<b>,</b>		
2 (	1046		
9 W	***		
		i s — — — — — — — — — — — — — — — — — —	
5 Table 1 Tabl			
e			s
<sup>1</sup> Type: C=Concentration 1	D-Depletion PA	M=Reduced Matrix, CS=Covered or Coated S	Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
		I LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	<b>,</b>	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)		Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)		Loamy Mucky Mineral (F1) (except MI	The Control Co
Hydrogen Sulfide (A4)		Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark		Depleted Matrix (F3)	
Thick Dark Surface (A		X Redox Dark Surface (F6)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral		Depleted Dark Surface (F7)	wetland hydrology must be present,
Sandy Gleyed Matrix (	(S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if pres	ent):		
Туре:			
Depth (inches):			Hydric Soil Present? Yes No X
HYDROLOGY	enii 4 Noorii Salaa oo		
Wetland Hydrology Indic		- de alea de all Mark anna la S	On the first of th
Primary Indicators (minimu	im of one require		Secondary Indicators (2 or more required
Surface Water (A1)		Water-Stained Leaves (B9) (exce	
High Water Table (A2)	)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)		Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)		Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B.	2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery
Drift Deposits (B3)		AND	ing Roots (C3) Geomorphic Position (D2)
Algal Mat or Crust (B4	)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)		Recent Iron Reduction in Tilled S	
Surface Soil Cracks (E	course.	Stunted or Stressed Plants (D1) (	A REPORT OF THE PROPERTY OF TH
Inundation Visible on /		The state of the s	Frost-Heave Hummocks (D7)
Sparsely Vegetated C	oncave Surface	(B8)	
Field Observations:		V	
Surface Water Present?		No X Depth (inches):	
Water Table Present?		No X Depth (inches):	
Saturation Present?	Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	etraam aarraa -	conitoring well agriclabates are investigated	
Describe Recorded Data (	sueam gauge, n	nonitoring well, aerial photos, previous inspec	ctions), it available.
Remarks:			

Project/Site: APN: 214-142-012	City/	County:	Humbo	oldt	Sam	npling Date: _	1-27-22
Applicant/Owner: Y. Jacobson	3. 010	±25		State:(	CA Sam	pling Point: _	3
Investigator(s): Kyle Wear							
Landform (hillslope, terrace, etc.): Hillslope							oe (%): 2
Subregion (LRR): A					4447073.9		
				NWI			2.
Are climatic / hydrologic conditions on the site typical for this time							
Are Vegetation, Soil, or Hydrology signific				Normal Circums			X No
Are Vegetation, Soil, or Hydrology natural				eded, explain an			2
SUMMARY OF FINDINGS – Attach site map show			j point lo	cations, tra	nsects, im	portant fe	atures, etc.
Hydrophytic Vegetation Present? Yes X No			-	_			
Hydric Soil Present? Yes X No			Sampled n a Wetlan	Area d2 V	es_X	No	
Wetland Hydrology Present? Yes X No		***************************************	ir a vvetiair	9.		H0	
Remarks: Plot is in swale feature							
VEGETATION – Use scientific names of plants.							
	olute Doi			Dominance To	est workshee	t:	
1				Number of Dor That Are OBL,			(A)
2				Total Number		2	(B)
3				Species Acros		201	
	= To			Percent of Dor That Are OBL,			0% (A/B)
Sapling/Shrub Stratum (Plot size:)  1				Prevalence In	dex workshe	et:	
2.				29	over of:		/ by:
3				OBL species			
4				FACW species			
5				FAC species	(9)	100	
-1 "	= T	otal Cov	er	FACU species			
Herb Stratum (Plot size: 5'-radius )	,	Yes	EA C\A/	UPL species			
	<u>, , , , , , , , , , , , , , , , , , , </u>		FACW	Column Totals	·	(A)	(B)
	(11)	A 1	FACW_		ce Index = B/	COS C	
	<u> </u>	No No	OBL UPL	Hydrophytic \	ace re-		
		No.	?	1 - Rapid			ition
3.		No.	?	X 2 - Domina			
0				3 - Prevale			al 2000
7				4 - Morpho	ological Adapt Remarks or c	ations' (Provi on a senarate	de supporting sheet)
8				5 - Wetlan		25	011000,
9				Problemat			(Explain)
11				Indicators of h			
5.000,000	95 = To	ntal Cove	 ≃r	be present, un			
Woody Vine Stratum (Plot size:)	<u>,,,                                  </u>	nui oov					
1				Hydrophytic			
2	101			Vegetation Present?	Voc	X No	
% Bare Ground in Herb Stratum	= To	otal Cove	er	FIGSCILL	162	NU	
Remarks:							

	cription: (Describe	to the dep			idicator (		i tile abselle t	. maio atorony
Depth	Matrix			x Features			- 100 P - 100	→ technology
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-2	10 yr 2/2	100	<u>.</u>				Clay loam	
2+	10 yr 4/1	90	7.5 yr 5/6	5	<u> </u>	_M_	Clay loam	
	a <del></del>	-	···	-			<u></u>	
	\$ <del>\$</del>						***************************************	
	-3 -			,, <u> </u>				
	9 =	<u></u>	·	···	l <del>i a</del> l		<u> </u>	
 Type: C=0	- ————————————————————————————————————	– ——— pletion, RM=		 S=Covered	or Coate	d Sand Gr	ains. <sup>2</sup> Loca	ition: PL=Pore Lining, M=Matrix.
	Indicators: (Appli							s for Problematic Hydric Soils <sup>3</sup> :
Histoso	l (A1)		Sandy Redox (	S5)			2 cm	Muck (A10)
_ Histic E	pipedon (A2)		Stripped Matrix				Red I	Parent Material (TF2)
111 11111111111111111111111111111111111	listic (A3)		Loamy Mucky N		The second second	MLRA 1)		Shallow Dark Surface (TF12)
	en Sulfide (A4)		Loamy Gleyed		i.		Other	(Explain in Remarks)
100	ed Below Dark Surfa Park Surface (A12)	ce (A11)	X Depleted Matrix Redox Dark Su				3 In dia atom	s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted Dark		7)			d hydrology must be present,
	Gleyed Matrix (S4)		Redox Depress		<i>(-)</i>			disturbed or problematic.
- V	Layer (if present):						Ÿ	,
6211101146								
Type:								
Type: Depth (ir	nches):						Hydric Soil F	Present? Yes X No
Туре:							Hydric Soil F	Present? Yes X No
Type: Depth (ir							Hydric Soil F	Present? Yes X No
Type: Depth (ir emarks:	nches):						Hydric Soil F	Present? Yes X No
Type: Depth (ir demarks:	onches):						Hydric Soil F	Present? Yes <u>X</u> No
Type: Depth (in the second secon	OGY vdrology Indicators		t' check all that anni	vì				
Type: Depth (in the content of	oches): DGY vdrology Indicators icators (minimum of				es (B9) (a	vcent	Second	dary Indicators (2 or more required)
Type: Depth (ir emarks:  /DROLC /etland Hy rimary IndSurface	OGY  /drology Indicators icators (minimum of		Water-Sta	ined Leave		xcept	Second	dary Indicators (2 or more required) ater-Stained Leaves (B9) ( <b>MLRA 1,</b>
Type:	OGY /drology Indicators icators (minimum of w Water (A1) fater Table (A2)		Water-Sta MLRA	ined Leave 1, 2, 4A, aı		xcept	Second	dary Indicators (2 or more required) ater-Stained Leaves (B9) ( <b>MLRA 1,</b> <b>4A, and 4B)</b>
Type: Depth (ir emarks:  'DROLO /etland Hy rimary Ind Surface X High W X Saturat	OGY /drology Indicators icators (minimum of Water (A1) fater Table (A2) ion (A3)		Water-Sta MLRA Salt Crust	ined Leave <b>1, 2, 4A, a</b> i (B11)	nd 4B)	xcept	<u>Second</u> Wa Dra	dary Indicators (2 or more required) ater-Stained Leaves (B9) ( <b>MLRA 1,</b> <b>4A, and 4B)</b> ainage Patterns (B10)
Type: Depth (ir emarks:  TOROLO  Tetland Hy rimary Ind Surface K High W K Saturat Water I	OGY /drology Indicators icators (minimum of Water (A1) fater Table (A2) ion (A3) Marks (B1)		Water-Sta	ined Leave <b>1, 2, 4A, ai</b> (B11) vertebrates	nd 4B)	xcept	Second Water Drawn Drawn Drawn	dary Indicators (2 or more required) ater-Stained Leaves (B9) ( <b>MLRA 1,</b> <b>4A, and 4B)</b> ainage Patterns (B10) y-Season Water Table (C2)
Type:	OGY  /drology Indicators icators (minimum of water (A1) /dret Table (A2) ion (A3) Marks (B1) ent Deposits (B2)		Water-Sta	ined Leave <b>1, 2, 4A, ai</b> (B11) vertebrates Sulfide Od	nd 4B) s (B13) lor (C1)		Second Water Drawn Drawn Sa	dary Indicators (2 or more required) ater-Stained Leaves (B9) ( <b>MLRA 1, 4A, and 4B)</b> ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (
Type: Depth (ir emarks:  TDROLC  Tetland Hy rimary Ind Surface K High W K Saturat Water I Sedime Drift De	OGY /drology Indicators icators (minimum of Water (A1) fater Table (A2) ion (A3) Marks (B1)		Water-Sta	ined Leave  1, 2, 4A, ai  (B11)  vertebrates  Sulfide Ode  Rhizosphere	nd 4B) s (B13) lor (C1) res along	Living Roc	Second Wa Dra Sa X Ge	dary Indicators (2 or more required) ater-Stained Leaves (B9) ( <b>MLRA 1,</b> <b>4A, and 4B)</b> ainage Patterns (B10)
Type: Depth (ir emarks:  TDROLO  Tetland Hy rimary Ind Surface X High W X Saturat _ Water I _ Sedime _ Drift De _ Algal M	ordes):		Water-Sta MLRA Salt Crust Aquatic In: Hydrogen Oxidized F	ined Leave  1, 2, 4A, and  (B11)  vertebrates  Sulfide Ode  Rhizosphere  of Reduced	nd 4B) s (B13) lor (C1) es along d Iron (C4	Living Roc l)	Second Wa Dra Dra Sa Sta Sh	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (comorphic Position (D2) allow Aquitard (D3)
Type: Depth (ir emarks:  /DROLO /etland Hy rimary Ind Surface X High W X Saturat Water I Sedime Drift De Algal M Iron De	orches):		Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	ined Leave  1, 2, 4A, at  (B11) vertebrates Sulfide Od  Rhizosphere of Reduced  n Reduction	ond 4B)  s (B13)  lor (C1)  es along  d Iron (C4)  on in Tilled	Living Roc I) d Soils (C6	Second Wa Dra Dra Sa St Sh X FA	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (comorphic Position (D2)
Type: Depth (ir emarks:  'DROLO 'etland Hy rimary Ind Surface K High W X Saturat _ Water I _ Sedime _ Drift De _ Algal M _ Iron De _ Surface	orches):	one required	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or	ined Leave 1, 2, 4A, an (B11) vertebrates Sulfide Odi Rhizosphere of Reduced n Reductio Stressed I	ond 4B)  s (B13)  for (C1)  res along  d Iron (C4)  on in Tilled  Plants (D	Living Roc I) d Soils (C6	Second  — Wa  — Dra — Dra — Sa — Sh — Sh — X FA — Ra	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5)
Type:	OGY  /drology Indicators icators (minimum of water (A1) fater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) posits (B5) e Soil Cracks (B6)	one required	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Leave 1, 2, 4A, an (B11) vertebrates Sulfide Odi Rhizosphere of Reduced n Reductio Stressed I	ond 4B)  s (B13)  for (C1)  res along  d Iron (C4)  on in Tilled  Plants (D	Living Roc I) d Soils (C6	Second  — Wa  — Dra — Dra — Sa — Sh — Sh — X FA — Ra	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A)
Type: Depth (in Pemarks:  Pemark	orches):	one required Imagery (B7 ve Surface (I	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Leave  1, 2, 4A, at  (B11) vertebrates Sulfide Ode Rhizosphere of Reduced n Reductio Stressed I blain in Rer	ond 4B)  s (B13)  for (C1)  res along  d Iron (C4)  on in Tilled  Plants (D	Living Roc I) d Soils (C6	Second  — Wa  — Dra — Dra — Sa — Sh — Sh — X FA — Ra	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A)
Type: Depth (ir Pemarks:  TOROLO  Vetland Hy Trimary Ind Surface X High W X Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat Sparse ield Obse	orches):	one required Imagery (B) ve Surface (I	Water-Sta	ined Leave  1, 2, 4A, at  (B11) vertebrates Sulfide Od Rhizosphere of Reduced n Reductio Stressed Felain in Ren	nd 4B) s (B13) lor (C1) es along d Iron (C4 on in Tilled Plants (Di	Living Roc I) d Soils (C6	Second  — Wa  — Dra — Dra — Sa — Sh — Sh — X FA — Ra	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A)
Type: Depth (ir Remarks:  YDROLC  YDROLC  Vetland Hy Primary Ind Surface X High W X Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat Sparse  Vetland Obse	orches):	Imagery (Bive Surface (I	Water-Sta	ined Leave 1, 2, 4A, at (B11) vertebrates Sulfide Odd Rhizosphere of Reduced n Reductio Stressed folain in Rer ches):	nd 4B) s (B13) lor (C1) res along d Iron (C4) on in Tilled Plants (D marks)	Living Rootly d Soils (C6 1) (LRR A	Second  — Wa  — Dra — Dry — Sa — Sh — Sh — X FA — Fra	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Type:	orches):	Imagery (Bive Surface (I	Water-Sta	ined Leave 1, 2, 4A, at (B11) vertebrates Sulfide Odd Rhizosphere of Reduced n Reductio Stressed folain in Rer ches):	nd 4B) s (B13) lor (C1) res along d Iron (C4 on in Tilled Plants (D marks)	Living Rootly d Soils (C6 1) (LRR A	Second  — Wa  — Dra — Dry — Sa — Sh — Sh — X FA — Fra	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A)
Type: Depth (in Remarks:  YDROLO Vetland Hy Surface X High W X Saturat Water I Sedime Drift De Jordan Hy Iron De Jordan Hy Iron De Surface Inundat Sparse ield Obse Surface Wa Vater Table Saturation Faculdes ca	pody /drology Indicators icators (minimum of water (A1) fater Table (A2) ion (A3) Marks (B1) ion (Deposits (B2) ieposits (B3) lat or Crust (B4) posits (B5) ie Soil Cracks (B6) ion Visible on Aerial ly Vegetated Concavervations: ter Present? Present?	Imagery (B7/ve Surface (I	Water-Sta   MLRA   Salt Crust   Aquatic In   Hydrogen   Oxidized F   Presence   Recent Iro   Stunted or   Other (Exp. 38)   X   Depth (in   No	ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced n Reductio Stressed Folain in Ren ches):	nd 4B) s (B13) lor (C1) res along d Iron (C4 on in Tilled Plants (D marks)  6" urface	Living Root  I)  d Soils (C6  1) (LRR A	Second	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)

Project/Site: APN: 214-142-012	c	City/County:	_Humbo	oldt	Sampling Date: _	1-27-21
220				State: CA		
Investigator(s): Kyle Wear					9 JA 1935 N	
Landform (hillslope, terrace, etc.): Hillslope						e (%): 10
Subregion (LRR): A						
				NWI classific		
Are climatic / hydrologic conditions on the site typical for this time					· <del></del>	
Are Vegetation, Soil, or Hydrology signifi				Normal Circumstances" p	_	<b>⟨</b> _ No
Are Vegetation, Soil, or Hydrology natura			(If ne	eded, explain any answe	rs in Remarks.)	
SUMMARY OF FINDINGS – Attach site map sho			g point lo	ocations, transects	, important fea	atures, etc.
Hydrophytic Vegetation Present? Yes No	X			_		
Hydric Soil Present? Yes No	<u>X</u>		e Sampled in a Wetlan		No X	
Wetland Hydrology Present? Yes No	<u></u>	VVICI	in a motiun	u. 103		į.
Remarks:						
VEGETATION – Use scientific names of plants.						
	solute	Dominant	Indicator	Dominance Test work	obasti	- 1
Ann Arrest at annex of arrest of arrest and arrest and arrest and arrest arrest and arrest arrest arrest and arrest arres	E DO COLO COLO COLO COLO COLO COLO COLO C	Species?		Dominance Test work  Number of Dominant S	unicativents	
1				That Are OBL, FACW,		1 (A)
2				Total Number of Domin	ant o	
3				Species Across All Stra	≺-/	4 (B)
4				Percent of Dominant Sp	pecies	-0/
Sapling/Shrub Stratum (Plot size: 10' radius		= Total Co	ver	That Are OBL, FACW,	or FAC: $\leq 25$	0% (A/B)
1. Baccharis pilularis	20	Yes	UPL	Prevalence Index wor		52
2.				Total % Cover of:	A 10	7
3.				OBL species		
4				FACW species		- 10
5				FAC species	10	
	20	= Total Co	ver	UPL species		
Herb Stratum (Plot size: <u>5'-radius</u> )  1. Phalaris agutica	20		FACU	Column Totals:		
2. Dactilis glomerata	20		FACU			
3. Grass seedlings (Fetuca myuros?)	20	7	?	Prevalence Index  Hydrophytic Vegetation	= B/A =	
4. Briza maxima	5	•	UPL	1 - Rapid Test for I		ition
5. Hypericum perforatum	2		FACU	2 - Dominance Tes		uon
6 Hypochaeris radicata	10		FACU_	3 - Prevalence Inde		
7				4 - Morphological A	Adaptations <sup>1</sup> (Provid	de supporting
8				data in Remarks	s or on a separate :	sheet)
9				5 - Wetland Non-V		82L V 9 0
10				Problematic Hydro		0 10 10
11				<sup>1</sup> Indicators of hydric soi be present, unless distu		
Woody Vine Stratum (Plot size:)	//_	= Total Cov	⁄er	, , , , , , , , , , , , , , , , , , , ,	<u> </u>	
1			12	Hydrophytic		
2.				Vegetation	)	(
		= Total Cov		Present? Ye	s No	
% Bare Ground in Herb Stratum		er e				
Remarks:		1.66				
Cover and species composition would likel plant community	y be d	uifferent	in spring	g or summer, but o	iearly an upla	na

Profile Des	cription: (Describ	e to the der	th needed to docur	nent the indicator	or confirm	the absence of	of indicators )	
Depth	Matrix	o to the dep		x Features	J. John III	are absence (	iaioatoi 3.j	
(inches)	Color (moist)	%	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remar	ks
0-16	10 yr 3/3		7.5 yr 6/6			Clay loam		50.55
0 10	<u> </u>	-	7.3 4. 0/0	( <del></del>		<u>ciay ioani</u> .		
_	4 <del>-</del>		5.	100				
?	n		8					
	S .		8	· · · · · · · · · · · · · · · · · · ·				
	SI S	<del>-</del> 0.	3.5	30 t.				
·	· 3 · <del>4</del>	<del>-</del> s	1	*n		- 2		
	9 4	_#:	<u> </u>					
<sup>1</sup> Type: C=C	Concentration, D=De	— ——— epletion. RM	=Reduced Matrix, CS	S=Covered or Coate	ed Sand Gr	ains. <sup>2</sup> Loca	ation: PL=Pore Linin	a. M=Matrix.
			LRRs, unless other			Indicator	s for Problematic H	ydric Soils <sup>3</sup> :
Histoso	l (A1)		Sandy Redox (S	S5)		2 cm	Muck (A10)	
	pipedon (A2)		Stripped Matrix				Parent Material (TF2	)
Black H	listic (A3)		Loamy Mucky N	Mineral (F1) (excep	t MLRA 1)	Very	Shallow Dark Surfac	e (TF12)
Hydrog	en Sulfide (A4)		Loamy Gleyed	Matrix (F2)		Other	r (Explain in Remark	s)
10 10	d Below Dark Surfa	ace (A11)	Depleted Matrix	(F3)		(0)		
	ark Surface (A12)		Redox Dark Su	ar an artist and artist			s of hydrophytic vege	
	Mucky Mineral (S1)		Depleted Dark				d hydrology must be	El. 199
VX	Gleyed Matrix (S4)		Redox Depress	ions (F8)		unless	disturbed or problen	natic.
Restrictive	Layer (if present):							
Туре:	E &					5 200 S		. X
0.00 0.00 00	nches):		<u> </u>			Hydric Soil I	Present? Yes	NoX
Depth (ir	nches):					Hydric Soil I	Present? Yes	NoX
Depth (in Remarks:	nches):					Hydric Soil I	Present? Yes	NoX
Depth (in Remarks:	OGY vdrology Indicator	s:		<b>y</b> )				No
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind	OGY vdrology Indicator	s:	d; check all that appl		except	Second	dary Indicators (2 or	Mo
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface	OGY  vdrology Indicators cators (minimum of	s:	d; check all that appl Water-Stal	ined Leaves (B9) (	except	Second	dary Indicators (2 or ater-Stained Leaves	Mo
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind  Surface High W	OGY vdrology Indicators icators (minimum of Water (A1) fater Table (A2)	s:	d; check all that appl Water-Stai	ined Leaves (B9) (6 1, 2, 4A, and 4B)	except	Second	dary Indicators (2 or later-Stained Leaves 4A, and 4B)	more required) (B9) (MLRA 1, 2
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat	OGY  vdrology Indicators cators (minimum of Water (A1) cater Table (A2) ion (A3)	s:	d; check all that appl Water-Stai <b>MLRA</b> Salt Crust	ined Leaves (B9) ( <b>6</b> <b>1, 2, 4A, and 4B)</b> (B11)	except	<u>Second</u> Wa Dr	dary Indicators (2 or later-Stained Leaves 4 <b>A, and 4B)</b> ainage Patterns (B10	more required) (B9) (MLRA 1, 2
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I	oches):och	s:	<u>d; check all that appl</u> Water-Stai <b>MLRA</b> Salt Crust Aquatic In	ined Leaves (B9) ( <b>6</b> <b>1, 2, 4A, and 4B)</b> (B11) vertebrates (B13)	except	Second Wa Dr Dr	dary Indicators (2 or ater-Stained Leaves <b>4A, and 4B)</b> ainage Patterns (B10 y-Season Water Tab	more required) (B9) (MLRA 1, 2
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I Sedime	ordes):	s:	d; check all that appl Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1)	• • • • • • • • • • • • • • • • • • • •	Second Wa Dr Dr Sa	dary Indicators (2 or later-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on A	more required) (B9) (MLRA 1, 2) (Be (C2) (C2) (C3)
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De	OGY  vdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3)	s:	d; check all that appl Water-Sta <b>MLRA</b> Salt Crust Aquatic In Hydrogen Oxidized F	ined Leaves (B9) ( <b>6 1, 2, 4A, and 4B)</b> (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along	Living Roo	Second Will Dr Dr Dr Sa ts (C3) Ge	dary Indicators (2 or later-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Acomorphic Position (I	more required) (B9) (MLRA 1, 2) (Be (C2) (C2) (C3)
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M	OGY  vdrology Indicators icators (minimum of the Water (A1) fater Table (A2) fron (A3) Marks (B1) fint Deposits (B2) frosits (B3) fat or Crust (B4)	s:	d; check all that appl Water-Stai MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	ined Leaves (B9) ( <b>6 1, 2, 4A, and 4B)</b> (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C	Living Roo 4)	Second Wa Dr Dr Sa ts (C3) Ge Sh	dary Indicators (2 or later-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Aleomorphic Position (Dallow Aquitard (D3)	more required) (B9) (MLRA 1, 2) (Be (C2) (C2) (C3)
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal W Iron De	OGY  vorology Indicators icators (minimum of water (A1) fater Table (A2) fion (A3) Marks (B1) fint Deposits (B2) fiposits (B3) flat or Crust (B4) posits (B5)	s:	d; check all that appl Water-Stai MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille	Living Roo 4) ed Soils (C6	Second Wa Dr Dr Sa ts (C3) Ge Sh ) FA	dary Indicators (2 or later-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Action (D3) conception (D3)	more required) (B9) (MLRA 1, 2 )) le (C2) erial Imagery (C:
Depth (ii Remarks:  IYDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface	OGY  vdrology Indicator cators (minimum of wwater (A1) cater Table (A2) cion (A3) warks (B1) cht Deposits (B2) cposits (B3) cat or Crust (B4) posits (B5) cat Soil Cracks (B6)	s: one require	d; check all that appl Water-Stain MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence Recent Iro	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille Stressed Plants (E	Living Roo 4) ed Soils (C6	Second Wa Dr Dr Sa ts (C3) Ge Sh ) FA	dary Indicators (2 or later-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Aleomorphic Position (I allow Aquitard (D3) AC-Neutral Test (D5) ised Ant Mounds (Di	more required) (B9) (MLRA 1, 2 )) le (C2) erial Imagery (C2) (C2)
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat	orches):	s: one require	d; check all that appl  Water-Stai  MLRA  Salt Crust  Aquatic In  Hydrogen  Oxidized F  Presence  Recent Iro  Stunted or	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille	Living Roo 4) ed Soils (C6	Second Wa Dr Dr Sa ts (C3) Ge Sh ) FA	dary Indicators (2 or later-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Action (D3) conception (D3)	more required) (B9) (MLRA 1, 2 )) le (C2) erial Imagery (C2) (C2)
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat Sparse	orches):	s: one require	d; check all that appl  Water-Stai  MLRA  Salt Crust  Aquatic In  Hydrogen  Oxidized F  Presence  Recent Iro  Stunted or	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille Stressed Plants (E	Living Roo 4) ed Soils (C6	Second Wa Dr Dr Sa ts (C3) Ge Sh ) FA	dary Indicators (2 or later-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Aleomorphic Position (I allow Aquitard (D3) AC-Neutral Test (D5) ised Ant Mounds (Di	more required) (B9) (MLRA 1, 2 )) le (C2) erial Imagery (C2) (C2)
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inundai Sparse  Field Obse	orches):	s: one require I Imagery (B ve Surface (	d; check all that appl  Water-Stai  MLRA  Salt Crust  Aquatic In  Hydrogen  Oxidized F  Presence  Recent Iro  Stunted or  (7)  Other (Exp.	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille Stressed Plants (E	Living Roo 4) ed Soils (C6 01) (LRR A)	Second Wa Dr Dr Sa ts (C3) Ge Sh ) FA	dary Indicators (2 or later-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Aleomorphic Position (I allow Aquitard (D3) AC-Neutral Test (D5) ised Ant Mounds (Di	more required) (B9) (MLRA 1, 2 )) le (C2) erial Imagery (C2) (C2)
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat Sparse Field Obse Surface Wa	orches):	s: one require I Imagery (B ve Surface (	d; check all that appliance of the control of the c	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille Stressed Plants (E plain in Remarks)	Living Roo 4) ed Soils (C6 01) (LRR A)	Second Wa Dr Dr Sa ts (C3) Ge Sh ) FA	dary Indicators (2 or later-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Aleomorphic Position (I allow Aquitard (D3) AC-Neutral Test (D5) ised Ant Mounds (Di	more required) (B9) (MLRA 1, 2 )) le (C2) erial Imagery (C2) (C2)
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat Sparse Field Obse Surface Water Table	orches):	s: Tone require I Imagery (B ve Surface (	d; check all that appl  Water-Stai  MLRA  Salt Crust  Aquatic Inv  Hydrogen  Oxidized F  Presence  Recent Iro  Stunted or  Other (Exp	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille Stressed Plants (D iolain in Remarks)  ches):	Living Roo 4) ed Soils (C6 01) (LRR A)	Second Wa Dr Dr Sa ts (C3) Ge Sh ) FA Free	dary Indicators (2 or ater-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Action (D3) allow Aquitard (D3) aC-Neutral Test (D5) aised Ant Mounds (Di ost-Heave Hummock	more required) (B9) (MLRA 1, 2  )) le (C2) erial Imagery (C2) 22) 6) (LRR A) s (D7)
Depth (in Remarks:  IYDROLO  Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat Sparse  Field Obse Surface Water Table Saturation F	orches):	s: Tone require I Imagery (B ve Surface (	d; check all that appliance of the control of the c	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille Stressed Plants (D iolain in Remarks)  ches):	Living Roo 4) ed Soils (C6 01) (LRR A)	Second Wa Dr Dr Sa ts (C3) Ge Sh ) FA Free	dary Indicators (2 or later-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Aleomorphic Position (I allow Aquitard (D3) AC-Neutral Test (D5) ised Ant Mounds (Di	more required) (B9) (MLRA 1, 2  )) le (C2) erial Imagery (C2) 22) 6) (LRR A) s (D7)
Depth (in Remarks:  IYDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat Sparse Field Obse Surface Wa Water Table Saturation F (includes ca	ordes):	s: Fone require I Imagery (B ve Surface ( Yes Yes Yes	d; check all that appl  Water-Stai  MLRA  Salt Crust  Aquatic Inv  Hydrogen  Oxidized F  Presence  Recent Iro  Stunted or  Other (Exp	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille Stressed Plants (D iolain in Remarks)  ches):	Living Roo 4) ed Soils (C6 01) (LRR A)	Second Will Dr Dr Sa ts (C3) Ge Sh FA Free and Hydrology	dary Indicators (2 or ater-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Action (D3) allow Aquitard (D3) aC-Neutral Test (D5) aised Ant Mounds (Di ost-Heave Hummock	more required) (B9) (MLRA 1, 2  )) le (C2) erial Imagery (C2) 22) 6) (LRR A) s (D7)
Depth (in Remarks:  IYDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat Sparse Field Obse Surface Wa Water Table Saturation F (includes ca	ordes):	s: Fone require I Imagery (B ve Surface ( Yes Yes Yes	d; check all that appl  Water-Stain MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 188)  No X Depth (inc No X Depth (inc	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille Stressed Plants (D iolain in Remarks)  ches):	Living Roo 4) ed Soils (C6 01) (LRR A)	Second Will Dr Dr Sa ts (C3) Ge Sh FA Free and Hydrology	dary Indicators (2 or ater-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Action (D3) allow Aquitard (D3) aC-Neutral Test (D5) aised Ant Mounds (Di ost-Heave Hummock	more required) (B9) (MLRA 1, 2  )) le (C2) erial Imagery (C2) 22) 6) (LRR A) s (D7)
Depth (in Remarks:  IYDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat Sparse Field Obse Surface Wa Water Table Saturation F (includes ca	ordes):	s: Fone require I Imagery (B ve Surface ( Yes Yes Yes	d; check all that appl  Water-Stain MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 188)  No X Depth (inc No X Depth (inc	ined Leaves (B9) (6 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C in Reduction in Tille Stressed Plants (D iolain in Remarks)  ches):	Living Roo 4) ed Soils (C6 01) (LRR A)	Second Will Dr Dr Sa ts (C3) Ge Sh FA Free and Hydrology	dary Indicators (2 or ater-Stained Leaves 4A, and 4B) ainage Patterns (B10 y-Season Water Tab turation Visible on Action (D3) allow Aquitard (D3) aC-Neutral Test (D5) aised Ant Mounds (Di ost-Heave Hummock	more required) (B9) (MLRA 1, 2  )) le (C2) erial Imagery (C2) 22) 6) (LRR A) s (D7)

Project/Site: APN: 214-142-012	c	City/County	: Humb	oldt	Sampling Date:1	27-22
Applicant/Owner: Y. Jacobson		520 10		State: CA		
Investigator(s): Kyle Wear						
Landform (hillslope, terrace, etc.): Terrace						%): 0
Subregion (LRR): A	<del>et</del> :E	432350	0.3	ong: N 444707	78.5 Datum:	NAD 83
				NWI classifica		
Are climatic / hydrologic conditions on the site typical for this tim	e of yea	ar? Yes	X No_	(If no, explain in Re	emarks.)	
Are Vegetation, Soil, or Hydrology signif	ficantly o	disturbed?	Are "	Normal Circumstances" p	resent? Yes X	No
Are Vegetation, Soil, or Hydrology natur	ally prob	blematic?	(If ne	eded, explain any answer	rs in Remarks.)	
SUMMARY OF FINDINGS - Attach site map sho	wing	samplin	g point le	ocations, transects,	, important featı	ıres, etc.
Hydrophytic Vegetation Present? Yes X No	3290		Sellentost.		2 14	*
Hydric Soil Present? Yes X No			e Sampled			
Wetland Hydrology Present? Yes X No		with	in a Wetlan	nd? Yes	No	
Remarks:						
<b>VEGETATION</b> – Use scientific names of plants.						
				Dominance Test works	sheet:	
		Species?	A	Number of Dominant Sp		
1				That Are OBL, FACW, o	x FAC:	(A)
2				Total Number of Domina	ant	
3			-	Species Across All Strat	ta: <u>3</u>	(B)
4		= Total Co		Percent of Dominant Sp		ó (A/D)
Sapling/Shrub Stratum (Plot size:)		- Total Co	VCI	That Are OBL, FACW, o		(A/B)
1				TO SERVICE AND THE SERVICE OF SERVICES AND SERVICES OF SERVICES AND SERVICES OF SERVICES O		,,
2			о <del>———</del>	OBL species	Multiply by	
3				FACW species		
4			**	FAC species		
5			×	FACU species		175
F' radius		= Total Co	ver	UPL species		
Herb Stratum (Plot size: 5'-radius )  1. Cyperus eragrostis	25	Yes	FACW	Column Totals:		
2. Juncus effusus	25	Yes	1( <del></del>	oddinii rotalo.	(%)	(D)
Mentha pelugium	25	Yes	<u>FACW</u> OBL		= B/A =	
4. Hypochaeris radicata	2	No	FACU	Hydrophytic Vegetatio		
5. Non-flowering grasses	5	No	?	1 - Rapid Test for H X 2 - Dominance Test	150 전 3 - 150 - 1	n
6. Geranium seedlings	5	No	?	3 - Prevalence Inde		
7			30 <del></del> 33	4 - Morphological A		our norting
8.			₹ <del>.</del>		s or on a separate she	
9				5 - Wetland Non-Va	ascular Plants <sup>1</sup>	8
10				Problematic Hydrop		(plain)
11.		· · · · · · · · · · · · · · · · · · ·		<sup>1</sup> Indicators of hydric soil	and wetland hydrolo	gy must
N992	87	= Total Cov	/er	be present, unless distu	rbed or problematic.	
Woody Vine Stratum (Plot size:)						
1			-	Hydrophytic		
2			c <del></del>	Vegetation   Present? Yes	s_XNo	
04 Para Cround in Harb Stratum		= Total Co	/er	. 1030111: 163	·	-
% Bare Ground in Herb Stratum						

OIL	ulu4luu (B	4 - 41 - 1	41		!II		41 1		
	ription: (Describe	e to the dep	oth needed to docu			or confir	m the absence	e of indicators.)	
Depth	Matrix Color (moist)	%	Redo	x Feature	S T	1 = =2		Danaarka	
(inches)	10 yr 4/1	- <del>%</del> 80	7.5 yr 5/6	20	Type <sup>1</sup>	Loc <sup>2</sup>	Clay loam	Remarks	
0-6	10 yr 4/1		7.5 yr 5/0	- —	- —		- <del>Ciay Ioani</del>	1 S <del></del>	
	-		(	- 100					
	*	<del></del>	§*************************************		- *		- 2	( S	
	-0 -2	-	\text{\tinit}\\ \text{\ti}}\\tittt{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\tex{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\tint{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\t	4 3	- >		-	· »	
	<del></del>		5 <del></del>	350			= =	8 18	
			-	700			_	. 22	
	<u>4</u>		·	400	- *		- 4	·	
					- (		- 2.	3	
			=Reduced Matrix, C			ed Sand (	Grains. "Lo	ocation: PL=Pore Lining, M=Matrix. ors for Problematic Hydric Soils <sup>3</sup> :	
(20)	000 01 0	cable to all	LRRs, unless othe		.ea. j			(AFC)	
Histosol			Sandy Redox (					m Muck (A10)	
HISTIC ED Black Hi	oipedon (A2)		Stripped Matrix Loamy Mucky I		1) /avaan	+ M I D A 4		d Parent Material (TF2) ry Shallow Dark Surface (TF12)	
	n Sulfide (A4)		Loamy Gleyed			LIVILNAI		ner (Explain in Remarks)	
The property of the state of th	d Below Dark Surfa	ce (A11)	X Depleted Matri:		-)		_ 00	ici (Explain in Nemarks)	
10	ark Surface (A12)	v ,	Redox Dark Su		)		3Indicat	ors of hydrophytic vegetation and	
	lucky Mineral (S1)		Depleted Dark					and hydrology must be present,	
	Bleyed Matrix (S4)		Redox Depress	sions (F8)			unle	ss disturbed or problematic.	
Restrictive I	Layer (if present):		56	294 - 322			ľ	-	
Type:				10   December   10   10   10   10   10   10   10   1					
200 000 00	10 (00						Hvdric Soi	I Present? Yes X No	
Type: Depth (ind Remarks:	10 (00						Hydric Soi	I Present? Yes X No	
Depth (ind	ches):						Hydric Soi	I Present? Yes X No	
Depth (ind Remarks:	GY						Hydric Sol	I Present? Yes X No	
Depth (ind Remarks: YDROLO	GY drology Indicators	×		(V)					
Depth (ind Remarks: YDROLO Wetland Hyd	GY drology Indicators	×	d; check all that app		vec (PQ) (	aveant.	Seco	ondary Indicators (2 or more required)	
Depth (ind Remarks: YDROLO Wetland Hyd Primary Indic X Surface	GY drology Indicators eators (minimum of	×	d; check all that app	ined Leav		except	Seco	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2	
Depth (ind Remarks: YDROLO Wetland Hyd Primary India X Surface High Wa	GY drology Indicators eators (minimum of Water (A1) tter Table (A2)	×	d; check all that app Water-Sta MLRA	ined Leav <b>1, 2, 4A</b> ,		except	<u>Secc</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) ( <b>MLRA 1,</b> 2 <b>4A, and 4B)</b>	
Depth (ind Remarks: YDROLO Wetland Hyd Primary Indic X Surface High Wa Saturatio	GY drology Indicators eators (minimum of Water (A1) tter Table (A2) on (A3)	×	d; check all that app Water-Sta MLRA Salt Crust	ined Leav <b>1, 2, 4A,</b> (B11)	and 4B)	except	<u>Seco</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) ( <b>MLRA 1,</b> 2 <b>4A, and 4B)</b> Drainage Patterns (B10)	
Depth (ind Remarks: YDROLO Wetland Hyd Primary Indic X Surface High Wa Saturatio Water M	GY drology Indicators eators (minimum of Water (A1) eter Table (A2) on (A3) larks (B1)	×	d; check all that app — Water-Sta MLRA — Salt Crust — Aquatic In	iined Leav <b>1, 2, 4A,</b> (B11) vertebrate	and 4B) es (B13)	except	Seco	ondary Indicators (2 or more required)  Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)  Drainage Patterns (B10)  Dry-Season Water Table (C2)	
Primary Indic X Surface High Water M Sedimer	GY drology Indicators eators (minimum of Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2)	×	d; check all that app — Water-Sta <b>MLRA</b> — Salt Crust — Aquatic In — Hydrogen	ined Leav <b>1, 2, 4A,</b> (B11) vertebrate Sulfide O	and 4B) es (B13) dor (C1)		<u>Secc</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C	
Primary Indices  YDROLO  Wetland Hyde  Primary Indices  High Wa  Saturation  Water M  Sedimer  Drift Dep	GY drology Indicators eators (minimum of Water (A1) tter Table (A2) on (A3) larks (B1) of Deposits (B2) posits (B3)	×	d; check all that app — Water-Sta MLRA — Salt Crust — Aquatic In — Hydrogen — Oxidized	ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe	and 4B) es (B13) dor (C1) eres along	Living Ro	Second Se	ondary 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 (C)  Geomorphic Position (D2)	
Primary Indicates Saturation Water Manager Man	GY drology Indicators eators (minimum of Water (A1) eter Table (A2) on (A3) larks (B1) et Deposits (B2) eosits (B3) et or Crust (B4)	×	d; check all that app Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence	ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe of Reduce	es (B13) dor (C1) eres along ed Iron (C	Living Ro	Second Se	ondary 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 (C) Geomorphic Position (D2) Shallow Aquitard (D3)	
Primary India X Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma	GY drology Indicators eators (minimum of Water (A1) tter Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	×	d; check all that app  Water-Sta  MLRA  Salt Crust  Aquatic In  Hydrogen  Oxidized I  Presence  Recent Iro	ined Leaven 1, 2, 4A, 100 (B11)  Vertebrate Sulfide ORhizosphe of Reduction	es (B13) dor (C1) eres along ed Iron (C ion in Tille	Living Ro 4) d Soils (C	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)	
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Depth (ind Remarks:  YDROLO  Wetland Hyd  Primary India  X Surface  High Wa  Saturatio  Water M  Sedimer  Drift Dep  Algal Ma  Iron Dep  Surface  Inundatio  Sparsely	GY drology Indicators eators (minimum of Water (A1) tter Table (A2) on (A3) larks (B1) ot Deposits (B2) oosits (B3) ot or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial of Vegetated Concar	one require	d; check all that appi  Water-Sta  MLRA  Salt Crust  Aquatic In  Hydrogen  Oxidized In  Presence  Recent Inc  Stunted o	ined Leaven. 1, 2, 4A, (B11) Vertebrate Sulfide O Rhizosphe of Reduce n Reduct r Stressec	es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (D	Living Ro 4) d Soils (C	Second Se	ondary 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 (C) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)	
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Depth (ind Remarks:  YDROLO  Wetland Hyd  Primary Indic  X Surface  High Wa  Saturatio  Water M  Sedimer  Drift Dep  Algal Ma  Iron Dep  Surface  Inundatio  Sparsely  Field Observ  Surface Water  Water Table  Saturation Primary Indice  Saturation Primary Indice  Selimary Indice  Algal Ma  Iron Dep  Surface  Surface Vater  Surface Water  Saturation Primary Indice  Saturation Primary Indice  Page 10	GY  drology Indicators eators (minimum of Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial v Vegetated Concav vations: er Present? Present?	Imagery (B ve Surface (	d; check all that app  Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Iro Stunted or Other (Ex	ined Leaven 1, 2, 4A, (B11) vertebrate Sulfide Of Reduction Reduct	es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (D emarks)	Living Ro 4) d Soils (0 01) (LRR	Second Se	ondary 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 (C) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)	
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Depth (ind Remarks:  YDROLO  Vetland Hyd  Primary Indic  X Surface  High Wa  Saturatio  Water M  Sedimer  Drift Dep  Algal Ma  Iron Dep  Surface  Inundatio  Sparsely  Field Observ  Surface Water  Water Table  Saturation Princludes cap	GY  drology Indicators eators (minimum of Water (A1) ther Table (A2) on (A3) larks (B1) th Deposits (B2) posits (B3) th or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial of Vegetated Concavity vations: er Present? Present? present?	Imagery (B ve Surface ( Yes Yes	d; check all that appi  Water-Sta  MLRA  Salt Crust  Aquatic In  Hydrogen Oxidized In  Presence Recent Inc  Stunted on  Other (Exp  B8)	ined Leav.  1, 2, 4A,  (B11) vertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stressed plain in Re  ches): ches): ches):	and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (D emarks)	Living Ro	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 1) 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)	
Depth (ind Remarks:  YDROLO  Vetland Hyd  Primary Indic  X Surface  High Wa  Saturatio  Water M  Sedimer  Drift Dep  Algal Ma  Iron Dep  Surface  Inundatio  Sparsely  Field Observ  Surface Water  Water Table  Saturation Princludes cap	GY  drology Indicators eators (minimum of Water (A1) ther Table (A2) on (A3) larks (B1) th Deposits (B2) posits (B3) th or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial of Vegetated Concavity vations: er Present? Present? present?	Imagery (B ve Surface ( Yes Yes	d; check all that app  Water-Sta  MLRA  Salt Crust  Aquatic In  Hydrogen  Oxidized I  Presence  Recent Iro  Stunted or  Other (External or 1)  No Depth (in	ined Leav.  1, 2, 4A,  (B11) vertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stressed plain in Re  ches): ches): ches):	and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (D emarks)	Living Ro	Second Se	ondary 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 (C)  Geomorphic Position (D2)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Raised Ant Mounds (D6) (LRR A)  Frost-Heave Hummocks (D7)	

Project/Site: APN: 214-142-012	City/County:	Humbo	ldt	_ Sampling Date: _	1-27-22
Applicant/Owner: Y. Jacobson	3. 0220		State: CA	_ Sampling Point: _	6
Investigator(s): Kyle Wear					
Landform (hillslope, terrace, etc.): Terrace					oe (%):0
Subregion (LRR): A	E 432334	.1	N 44469 <u>مما</u>	47.2 Datur	n: NAD 83
Constant Westernile			NWI classifi		
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes X	No	(If no, explain in F	Remarks.)	
Are Vegetation, Soil, or Hydrology significantly	y disturbed?	Are "N	ormal Circumstances"	present? Yes	X_ No
Are Vegetation, Soil, or Hydrology naturally pr	roblematic?	(If nee	ded, explain any answe	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	g sampling	point lo	cations, transects	s, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes X No		101 AU 0. 0			
Hydric Soil Present? Yes X No		Sampled A	Area I2 Yes )	(	
Wetland Hydrology Present? Yes X No		T G TTCTIGITC			į.
Remarks:   Plot is in depression on earthflow sag					
VEGETATION – Use scientific names of plants.					
Absolute   Tree Stratum (Plot size:)	e Dominant r Species?	A STATE OF THE PARTY OF THE PAR	Dominance Test worl		
1			Number of Dominant S That Are OBL, FACW,		(A)
2.			Total Number of Domii	nant	
3	-		Species Across All Str	7	(B)
4	000 to 1000		Percent of Dominant S	Species 10	0%
Sapling/Shrub Stratum (Plot size:)	= Total Cov		That Are OBL, FACW,	or FAC:	(A/B)
1			Prevalence Index wo		-SI
2		22	OBL species	Multiply	-
3			FACW species		
4			FAC species		
5	= Total Cov		FACU species	x 4 =	
Herb Stratum (Plot size: 5'-radius )	= TOTAL COV		UPL species		
1. Mentha pelugium 50		OBL_	Column Totals:	(A)	(B)
2. <u>Cyperus eragrostis</u> 15		FACW_	Prevalence Index	x = B/A =	
3. Juncus effusus 15			Hydrophytic Vegetati	on Indicators:	
4			1 - Rapid Test for		ation
5			X 2 - Dominance Te		
7		-	3 - Prevalence Ind 4 - Morphological		de supportina
8.			data in Remark	s or on a separate	sheet)
9			5 - Wetland Non-V		
10			Problematic Hydro		A2 63 50
11	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10		<sup>1</sup> Indicators of hydric so be present, unless dist		
Woody Vine Stratum (Plot size:)	_= Total Cove	er _			
1	900 617		Hydrophytic		
2.			Vegetation	es X No	
0/ Barr Constrain Hart Ottabura	_= Total Cove	er	Present? Ye	25 NO	_
% Bare Ground in Herb Stratum					

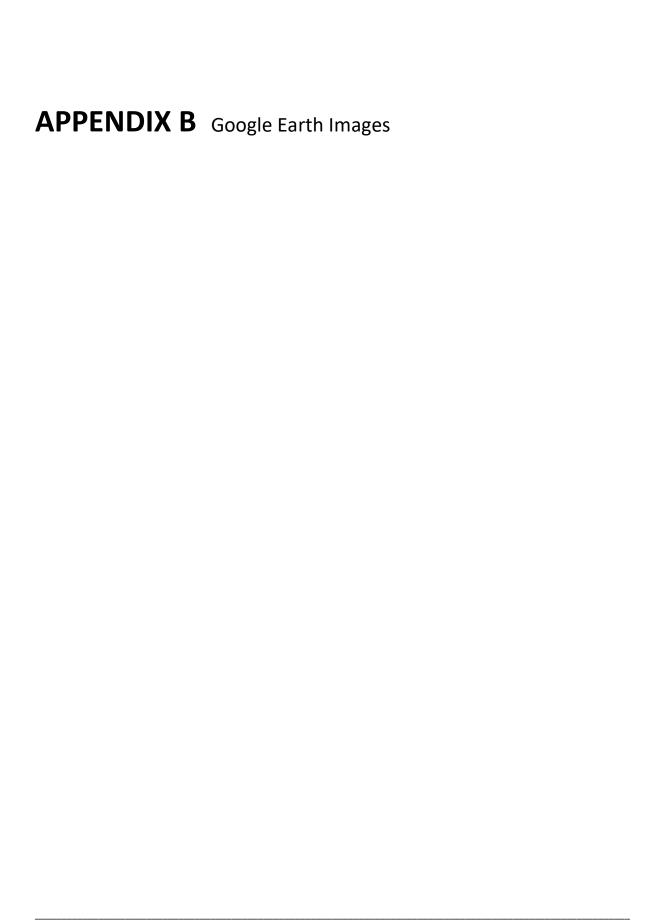
SOIL								Sampling Point:	6
Profile Desc	cription: (Describe	to the depti	n needed to docum	nent the ir	ndicator	or confirm	n the absenc	N 03 0	
Depth	Matrix			x Features					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-6	10 yr 4/1	75	7.5 yr 5/6	25	С	M	Clay loar	n	
	- 100 - 100	- 0.1 <del></del>	•				6	<del>d</del> #	
	A Art	- 10 <del>1</del>			n <del></del>			4 10	-4)
-	**	<u>-779</u>		·			<u> </u>	# 15 <u></u>	
	-				-		<u> </u>	# ( <del></del>	
	a No.	- S						-1.10	
	- M	-8					*		
	40				· · · · ·		<del>*************************************</del>	36 S.	
					-		-	÷ 1 <del></del>	
	oncentration, D=Dep					ed Sand Gr		ocation: PL=Pore Lining, M=N	
(70)	Indicators: (Applic	able to all L			ea. j			tors for Problematic Hydric	Solis :
Histosol	(A1) pipedon (A2)	7 <u>~</u>	Sandy Redox (S Stripped Matrix					cm Muck (A10) ed Parent Material (TF2)	
	istic (A3)	7° <u>-</u>	Sinpped Matrix Loamy Mucky M	2400000000	) (excent	MIRA1)		ery Shallow Dark Surface (TF1	2)
11 - 13 March 19 Act 19	en Sulfide (A4)	-	Loamy Gleyed I		on the second	= ,	y nonce	her (Explain in Remarks)	_,
AND DESIGNATION OF THE PARTY.	d Below Dark Surfac	e (A11)	Depleted Matrix						
Thick Da	ark Surface (A12)	, <del>-</del>	Redox Dark Sur	face (F6)			<sup>3</sup> Indica	tors of hydrophytic vegetation	and
	Mucky Mineral (S1)	4. <del>-</del>	Depleted Dark S		7)			land hydrology must be preser	nt,
A	Sleyed Matrix (S4)		Redox Depressi	ions (F8)			unle	ess disturbed or problematic.	
Restrictive I	Layer (if present):								
Туре:	to ex		<u>~~</u>				2020 20020 20	estimated to the sales and	
Depth (in	ches):						Hydric So	il Present? Yes <u>X</u> I	No
Remarks:									
HYDROLO	GV.								
		9.							
TOTAL SIGN STATE OF THE STATE O	drology Indicators:			3				1 1 2 2 3 78	
5	cators (minimum of o	one required:				et Maria de Caracteria de C		ondary Indicators (2 or more re	
The second contraction	Water (A1)		Water-Stai			xcept		Water-Stained Leaves (B9) (N	ILRA 1, 2,
	ater Table (A2)			1, 2, 4A, a	na 4B)			4A, and 4B)	
X Saturation			Salt Crust	(A)	- /D12\		100 miles	Drainage Patterns (B10)	
100	farks (B1)		Aquatic Inv				<ul><li>Dry-Season Water Table (C2)</li><li>Saturation Visible on Aerial Imagery (C9)</li></ul>		
	nt Deposits (B2) posits (B3)		Hydrogen S			Living Poo			lagery (C9)
2	at or Crust (B4)	Oxidized R				Roots (C3) X Geomorphic Position (D2) Shallow Aquitard (D3)			
E 129	posits (B5)	Recent Iro				37 12 15 15 15 15 15 15 15 15 15 15 15 15 15			
	Soil Cracks (B6)	Stunted or							
	on Visible on Aerial				I) (EIXIX A		Frost-Heave Hummocks (D7)	\ A)	
	y Vegetated Concav			idiii iii ikei	iluino)		( <del>)</del>	r rost ricave riaminocks (Br)	
Field Obser	\$ 2		-,						
Surface Wat		′es N	lo X Depth (inc	rhes):					
Water Table		1/	lo Depth (inc		Q	-			
		2010/200	lo Depth (inc lo Depth (inc		3	18/04/	and Usedrala	gy Present? Yes X	No
Saturation P		es	io Depth (Inc	ines):		_   wetta	anu nyurolo	gy Fresentr Tes A	No
	corded Data (stream	n gauge, mor	nitoring well, aerial p	hotos, pre	evious ins	pections),	if available:		

Remarks:

Project/Site: APN: 214-142-012		City/Co	ounty:	Humbo	oldt	Sampling Date:	1-27-22
					State: CA		
Investigator(s): Kyle Wear		Section	n Tow	nshin Ran	25, T3S, F	: 34pg : 31 <u> </u>	
Landform (hillslope, terrace, etc.): Terrace							e (%): 2
Subregion (LRR): A							
Soil Map Unit Name: Coyoterock-Yorknorth					NWI classifi		
Are climatic / hydrologic conditions on the site typical for this							
Are Vegetation, Soil, or Hydrology sig							( No
Are Vegetation X , Soil , or Hydrology na SUMMARY OF FINDINGS – Attach site map s				DR .	eded, explain any answe ocations, transects		itures, etc.
Hydrophytic Vegetation Present? Yes No	<u>∜≅</u>			(20 <u>1</u>			
Hydric Soil Present? Yes No				Sampled		V	
Wetland Hydrology Present? Yes No	X		withir	n a Wetlan	d? Yes	No _X	
Remarks: See notes on vegetation below							
See notes on regetation selow							
VEGETATION – Use scientific names of plants	5.						
	Absolute				Dominance Test work	ksheet:	
Tree Stratum (Plot size:)  1	% Cover				Number of Dominant S That Are OBL, FACW,		(A)
2					Total Number of Domir	nant	
3	}				Species Across All Stra		(B)
4					Percent of Dominant S	Species	
Sapling/Shrub Stratum (Plot size:)		= Tota	al Cov	er	That Are OBL, FACW,	or FAC:	(A/B)
1					Prevalence Index wo		
2.					18	<u>Multiply</u>	
3.					OBL species		
4					FACW species	PER STATE OF THE S	
5					FACIL appeies	182 (7)	
T/ mading	<u> </u>	= Tot	al Cov	er	FACU species		
Herb Stratum (Plot size: 5'-radius )  1. Dactvlis glomerata	50	Ve		ACII	Column Totals:		
2 Holcus lanatus	10	No					
3. None flowering grasses and seedlings	30	7		FAC?		x = B/A =	
4		<u> </u>			Hydrophytic Vegetati		
5			- 100	- IS	1 - Rapid Test for 2 - Dominance Te		.1011
6				97	3 - Prevalence Ind		
7.					5 <del></del>	Adaptations <sup>1</sup> (Provid	le supporting
8.						s or on a separate s	
9					5 - Wetland Non-V	/ascular Plants <sup>1</sup>	
10					Problematic Hydro	3 47 19 W	5 0
11		-	-00-		<sup>1</sup> Indicators of hydric so		
W-115-0(-1	100	= Tota	I Cove	er	be present, unless dist	urbed or problematic	J.
Woody Vine Stratum (Plot size:)							
1					Hydrophytic Vegetation		¹X
2				er .		es No	
% Bare Ground in Herb Stratum		_ rota	i COVE	Z1.			
Remarks:							(5.0)
Difficult to ID and determine cover of grasses in mid-wi Briza maxima (UPL), young seedling include Vulpia myun							

Baccharis pilularis (UPL) in grassland outside plot.

SOIL								Sampling Poin	ıt:	7
Profile Des	cription: (Descri	be to the depti	h needed to docu	ıment the i	ndicator o	or confirm	the absence of	indicators.)		
Depth	Matrix			lox Feature						
(inches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks	ř.	
0-16	10 yr 2/2				<u> </u>		Clay loam			
<i>*</i>	54 N				1.5					
2	G <del>W</del>				· · · · · · · · · · · · · · · · · · ·		<del></del>			
	55 7				-		= = = = = = = = = = = = = = = = = = = =			-
_	SI 50			-380			<del></del>			
				700						
85	# <del>************************************</del>				· · · · · · · ·		<u> </u>			
1 <sub>T</sub>			Dadward Makele C				21	ani Di Dana Linina	NA_NA_6-6-6-6	
	Concentration, D=E Indicators: (App					a Sana Gr		on: PL=Pore Lining, for Problematic Hyd		
Histoso	100 J 0	incubic to un E	Sandy Redox		cu.,			luck (A10)	ino cons	
	pipedon (A2)	:: <u>:</u>	Stripped Matri					arent Material (TF2)		
	listic (A3)	° <u>-</u>	Loamy Mucky		1) (except	MLRA 1)	A SECTION OF COMM	hallow Dark Surface (	(TF12)	
	en Sulfide (A4)	_	Loamy Gleyed			DANCE MILEOTERICAN	- Holles (2007)	Explain in Remarks)	V. CO. C.	
Deplete	d Below Dark Sur	face (A11)	Depleted Matr	ix (F3)						
Service Control Control Control	ark Surface (A12)		Redox Dark S	- a - a - 4 - a - 5				of hydrophytic vegeta		
The same of the sa	Mucky Mineral (S1		Depleted Dark		7)			hydrology must be pr		
- C - V	Gleyed Matrix (S4)		Redox Depres	ssions (F8)			unless d	isturbed or problema	tic.	
ANGROSSA	Layer (if present	):								
Type:	- E - X									v
Depth (In Remarks:	nches):						Hydric Soil Pr	esent? Yes	NO_	
entermanental appearant formation formation	55444775557									
HYDROLO	2266690 29									
TOTAL PROTESTION AND STREET	drology Indicato			-1.3			0	I E (O	•	i
5	cators (minimum o	of one required:						ry Indicators (2 or mo		
11 - 12 - 10 - 10 - 10 - 10 - 10 - 10 -	Water (A1)		1000-000-000-000-000-000-000-000-000-00	ained Leav		xcept		er-Stained Leaves (B	9)(NILRA	4 1, 2,
10 may 10 may	ater Table (A2)			1, 2, 4A, a	and 4B)			A, and 4B)		
Saturati	Marks (B1)		Salt Crus Aquatic I	525 (8)	c /D13\		47 <del></del>	nage Patterns (B10) Season Water Table	(C2)	
	nt Deposits (B2)			n Sulfide O				ration Visible on Aeri		n/(C0)
	posits (B3)			Rhizosphe		Living Roo	( <del></del> ) 3559999	morphic Position (D2)		iy (C3)
\$ 100 miles	at or Crust (B4)		20 mars	of Reduce			Virginia de la companya della companya della companya de la companya de la companya della compan	low Aquitard (D3)	r	
5 359	posits (B5)		(/a =	on Reducti		50		-Neutral Test (D5)		
	Soil Cracks (B6)		85	or Stressed		92		ed Ant Mounds (D6)	(LRR A)	
	ion Visible on Aeri	al Imagery (B7	10			, ,	5 1,	t-Heave Hummocks (		
	y Vegetated Conc			* * * * * * * * * * * * * * * * * * *	e partir e transporte de la companya					
Field Obser	rvations:	<u> </u>	- 32							
Surface Wat	ter Present?	Yes N	lo X Depth (i	nches):		_				
Water Table	Present?	Yes N	lo X Depth (i	nches):						
Saturation F		YesN	lo X Depth (i	nches):		Wetla	and Hydrology P	resent? Yes	No_	X
	pillary fringe)	32 32	12 12	24.0						
Describe Re	ecorded Data (stre	am gauge, mor	nitoring well, aeria	ı photos, pr	evious ins	pections),	it available:			
Remarks:										

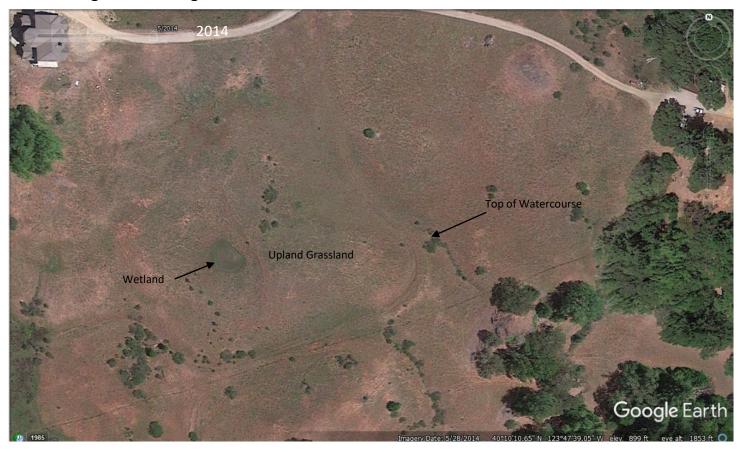


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