

April 15, 2021 Sent via Email

Mikel Alcantar, Chief Operations Officer Intangible Paradise LLC m alcantar@outlook.com

Subject: Wetland Site Assessment at 8531 High Valley Road, Clearlake Oaks, Lake County,

California

Dear Mr. Alcantar:

At the request of Intangible Paradise LLC, Huffman-Broadway Group, Inc. (HBG) conducted an Aquatic Resource Delineation (ARD) on a 51-acre portion of the 158-acre parcel located at 8531 High Valley Road in Clearlake Oaks, Lake County California (APN 006-003-34).

The purpose of the ARD was to do determine the presence or absence of aquatic resources that may be subject to: (1) State Water Resources Control Board (SWRCB) regulations under the Porter-Cologne Water Quality Control Act; (2) California Department of Fish and Wildlife (CDFW) under Fish and Game Code 1602; (3) and U.S. Army Corps of Engineers (USACE) and U.S. Environmental Protection Agency (US EPA) regulation under Section 404 of the Clean Water Act (CWA).

1.0 SCOPE OF WORK & GENERAL SITE DESCRIPTION

The aquatic resource delineation was conducted in accordance with the State Water Resources Control Board's State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (WOS) adopted April 2, 2019; Department of Defense Code of Federal Regulations (CFR) definitions of Waters of the U.S.¹ (WOUS), the Corps of Engineers Wetland Delineation Manual² (Corps 1987 Manual), the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region Version 2.0³ (Arid West Manual) and supporting USACE guidance documents⁴.

The 51-acre Study Area encompasses the northwestern boundary of the 158-acre parcel. The topography is steep with slopes ranging from 10-50% and elevation of approximately 2,800 feet above mean sea level. The Study Area consists of a well-maintained dirt road and a PG&E

¹ Department of Defense, 1986

² US Army Corps of Engineers, 1987

³ US Army Corps of Engineers, 2008

⁴ US Army Corps of Engineers, 1992a, & 1992b

power line corridor that transects the property from southeast to northwest. Three small intermittent creeks drain north-west toward Clear Lake and one intermittent creek at the northwestern corner drains west toward Clear Lake. The Study Area supports two palustrine emergent wetlands near the western boundary and one palustrine emergent wetland and a riparian habitat in line with two of the intermittent creeks. A review of the Natural Resources Conservation Service (NRCS) soil survey maps for Lake County shows two soil types occurring in the Study Area. The majority of the Study Area consist of Millsholm-Squawrock-Pomo complex which is a well-drained soil found on 30 to 50 percent slopes. Along the eastern, southern, and northwestern boundary, soils are classified as Speaker-Marpa-Sanhedrin gravelly loams which are also well drained soils found on 30 to 50 percent slopes.

The latitude and longitude of the approximate center of the Study Area is 39.079660 N and 122.757532 W and encompasses U.S. Geological Survey (USGS) 7.5 min Mountain Clearlake Oaks (1996); and Lucerne (1996). Refer to Exhibit 1, Figure 1 for the USGS Topographic Map and Figure 2 for the Aquatic Resource Delineation Map. Refer to Exhibit 2 for the Wetland Determination Data Forms.

2.0 DELINEATION METHOD

The focus of HBG's investigation was to identify and map areas meeting the definition of wetlands and other WOUS and WOS. Data used to verify the extent and location of WOUS and WOS included: (1) high resolution aerial imagery; (2) USGS topographic survey data; (3) Biological Resources Assessment conducted by Natural Investigation Company, Inc. in 2020; (4) direct observations through ground truthing; and (5) collection of soil, vegetation, and hydrology field data. High resolution satellite imagery used in the analysis was sourced from Google Earth Pro. Point and polygon data was documented using a hand-held Trimble Geo XH Global Positioning System unit with sub-meter accuracy after geoprocessing and incorporated into an HBG project specific database using ESRI ArcGIS software. A detailed field study was conducted on April 9, 2021 to:

- 1. Determine if indicators of an Ordinary High Water Mark (OHWM) are present and document the location(s) of the OHWM along creeks;
- Determine the presence or absence of wetland vegetation, hydric soil, and hydrology indicators of wetland conditions and determine if field indicators of wetland conditions may be "significantly disturbed" or "naturally problematic"; and
- 3. Determine the extent and location of any areas that may be considered "Riparian Habitat" outside of the OHWM of the creeks.

3.0 TECHNICAL FINDINGS

The following sections discuss hydrophytic vegetation, hydric soil, and wetland hydrology conditions observed at the Study Area during the field survey and indicators used to map the and OHWM. Wetland Determination Data Forms for the Arid West Region documenting this information are in Exhibit 2. Sample Point locations and the extent and location of aquatic resources are shown on Exhibit 1, Figure 2.

Soil, hydrology, and vegetation conditions were not significantly disturbed, conditions were not problematic, and normal circumstances were present.

Hydric Soils:

Soils found with hydric field indicators were a depleted mineral soil with prominent brownish redox concentrations along the pore lining and ped face. Soil texture varied from sandy loam to sandy clay loam. Within Sample Point 6 (SP-6) the hydric soil indicator was a depleted matrix (F3) with a matrix color of 10YR4/1 with 30% 7.5YR4/6 redoximorphic concentrations along the pore lining and ped face.



SP-6. 10YR4/1 with 30% 7.5YR4/6 redox concentrations

Wetland Hydrology & OHWM:

The Primary hydrology indicators identified in the wetlands were Sediment Deposits (B2). The source of the water is likely a combination of subsurface water table moving to the surface during the rainy season and direct precipitation. The subsurface water table is not supported by snow melt as there is no snow melt in this area. The duration of water is likely intermittent due to the absence of water observed this spring.

The OHWMs found within the creeks were scour along the banks, and drift deposits in the form of pine needles wrapped around rocks and fallen tree branches within the creeks. The OHWM averaged 2-3 feet wide. The source of the surface water is likely direct precipitation and is intermittent in duration due to the absence of surface water observed during the spring site visit.

Wetland Vegetation:

The Palustrine Emergent Wetland habitat was dominated by nearly 100% of a Juncus species, possibly *Juncus patens*. Other wetland indicator plants commonly found throughout the Study Area included pennyroyal (*Mentha pulegium*) and carex and juncus species. Vegetation found within the Riparian Habitat included willows (*Salix sp.*) California bay (*Umbellularia californica*) and poison oak (*Toxicodendron diversilobum*).

4.0 AQUATIC RESOURCES AND JURISDICTIONAL FINDINGS

This section presents the findings of this delineation with respect to the identification and geographic extent of habitat areas found that meet technical criteria as wetlands and /or other waters (e.g., creeks), and if those aquatic resources may be subject to USACE jurisdiction under CWA 404 as defined by the Final Rule, SCWB WOS, or are subject to FGC 1602.

Aquatic Resources were identified within the Study Area that met the criteria of a wetland and /or other waters (e.g., creeks). This determination is based on an analysis of the technical findings in Section 3.0, which describe the collective presence of hydric soil, wetland hydrology, and hydrophytic vegetation indicators as required by the Corps' 1987 Manual, the Arid West Manual, and USACE guidance documents. Wetlands were classified using the Federal Geographic Data Committee classification system. In addition, several intermittent creeks were identified based on indicators of an OHWM and presence of a well-defined bed and bank. Refer to Exhibit 1, Figure 2 for the Aquatic Resource Delineation Map, and Table 1 below for a summary of aquatic resources and acreages.

Table 1. Aquatic Resources Within the Study Area						
FGDC Classification	Type of Surface Water Flow	Area (acres)				
Palustrine Emergent Wetlands	Intermittent	0.11				
Riverine / Intermittent Creeks ⁵	Intermittent	0.10				

The Palustrine Emergent Wetlands and Intermittent Creeks may be subject to regulations and USACE and US EPA under Section 404 of the CWA and SWRCB regulations. The Intermittent Creeks and abutting Riparian Habitat are subject to CDFW FGC 1602 and SWRCB regulations.

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⁵ FGDC classifies this water as a "riverine" but CDFW may classify it as an intermittent creek.

If you have any questions regarding this Wetland Site Assessment, please contact me at 415-385-4106 or repercea@h-bgroup.com.

Sincerely,

Robert F. Digitally signed by Robert F. Perrera

Perrera
Date: 2021.04.15
12:51:49 -07'00'

Robert F. Perrera

Wetland Regulatory Scientist

Enclosures

Exhibit 1. Figures 1-2

Exhibit 2. Wetland Determination Data Forms

Сс

Mr. Meili Liu, Property Owner, meililiu369@gmail.com

REFERENCES

Department of Defense. 2020. 33 CFR Parts 328, *The Navigable Waters Protection Rule: Definition of "Waters of the United States": Final Rule*. Federal Register. April 21.

Federal Geographic Data Committee. 2013. Classification of wetlands and deepwater habitats of the United States. FGDC-STD-004-2013. Second Edition. Wetlands Subcommittee, Federal Geographic Data Committee and U.S. Fish and Wildlife Service, Washington, DC.

G.O Graening, PhD & Tim Nosal, M.S. 2020. *Natural Investigation Company, Inc. Biological Resources Assessment For The Cannabis Cultivation Operation At 8531 High Valley Road, Clearlake Oaks, California*. March 28.

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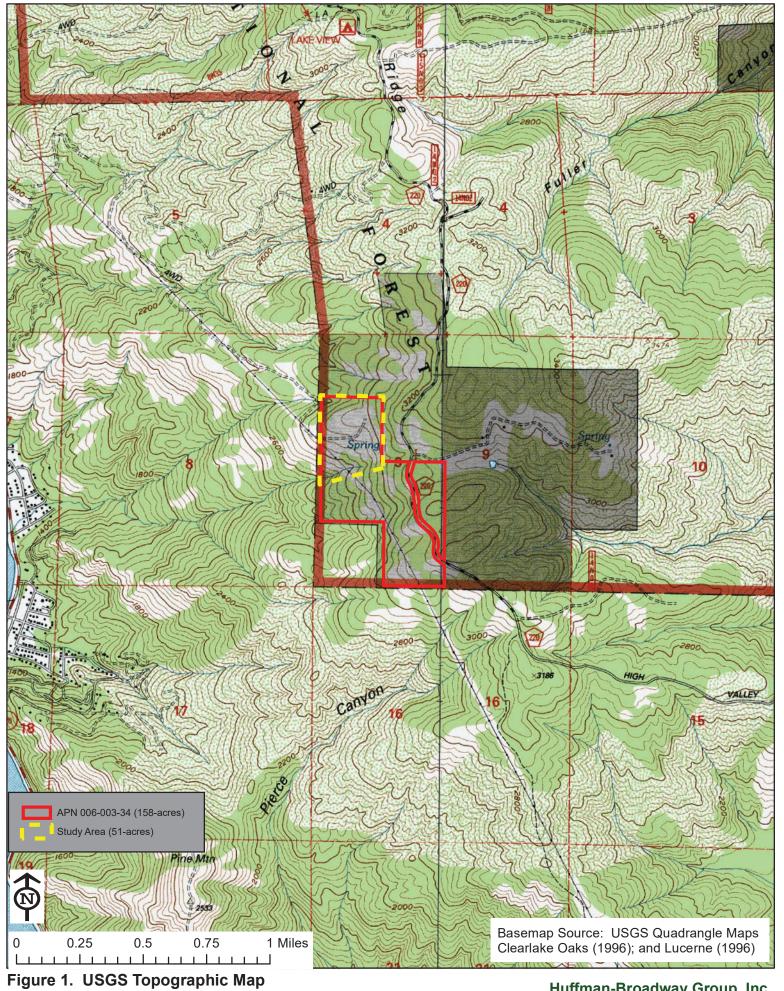
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Exhibit 1

Figures 1-2



8531 High Valley Road, APN 006-003-34 Clearlake Oaks, Lake County, California



Figure 2. Aquatic Resource Delineation 8531 High Valley Road, APN 006-003-34 Clearlake Oaks, Lake County, California

Exhibit 2.

Wetland Determination Data Forms

Project/Site: 8531 High Valley Road Project		City/C	ount	y: <u>Clearlal</u>	ke Oak/ Lake County	Sampling Date:	4-9-2021
Applicant/Owner: Mikel Alcantar Intangible Paradise					State: <u>CA</u> \$		
Investigator(s): Robert F. Perrera							
Landform (hillslope, terrace, etc.): Hills/Mountains		Local	relie	f (concave	convex none). concave	Slon	o /0/.\. 5
Subregion (LRR): <u>C - Mediterranean California</u>	Lat: 39	07948	87	. (00110010,	Long: =122 756474	Olopi	. NA
Soil Map Unit Name: Millsholm-Squawrock-Pomo cor	Lat. <u>33</u>	0.50 r	orce	ant clanac	LONG. <u>"122.750474"</u>	Datum	1; <u>IVA</u>
Are climatic / budgelogic conditions on the cite tomical factly	inpiex, 50 t	0 30 F	JEIC	./	NVVI classifica	tion: <u>INA</u>	
Are climatic / hydrologic conditions on the site typical for th						•	
Are Vegetation, Soil, or Hydrology					"Normal Circumstances" pre		No
Are Vegetation, Soil, or Hydrology					eeded, explain any answers		
SUMMARY OF FINDINGS - Attach site map	showing	sam	plin	g point	locations, transects,	important fea	tures, etc.
	10 <u>v</u>	į	ls th	ne Sample			
Hydric Soil Present? Yes Netland Hydrology Present? Yes Netland Hydrology Present?	No V		with	nin a Wetla	nd? Yes	No <u></u> ✓	
Remarks:							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
VEGETATION – Use scientific names of plan	ıts.						
Tree Stratum (Plot size: 3x3)	Absolute			Indicator	Dominance Test worksh	neet:	
1. Pinus ponderosa	% Cover				Number of Dominant Spe	cies	
2				<u>FACU</u>	That Are OBL, FACW, or	FAC:1_	(A)
3.					Total Number of Dominar		
4					Species Across All Strata	: 4	(B)
	50				Percent of Dominant Spen	cies	(4 (0)
Sapling/Shrub Stratum (Plot size:)					That Are OBL, FACW, or	FAC:25_	(A/B)
1					Prevalence Index works		
2	-				Total % Cover of:		
3	-				OBL species		
4					FACW species		
5					FAC species		
Herb Stratum (Plot size: 3x3)		= 10ta	ai Co	ver	FACU species		
1. Elymus glaucus	30	Ye	S	FACU	UPL species Column Totals:		
2. Cynosurus echinoides	40	Yes		UPL	Column Totals.	(A)	(B)
3. Carex sp	20	Ye	S	FAC	Prevalence Index =	B/A =	
4. Juncus sp possibly patens				_FACW_	Hydrophytic Vegetation	Indicators:	
5					Dominance Test is >5		
6					Prevalence Index is ≤		
7					Morphological Adapta data in Remarks of	itions¹ (Provide su	pporting
8					Problematic Hydrophy		
Woody Vine Stratum (Plot size:)	100	= Tota	ıl Cov	/er		, 110 1 0 go (2010) (E	жрану
1.					¹ Indicators of hydric soil ar	nd wetland hydrok	oav must
2					be present, unless disturbe	ed or problematic.	
			l Cov	/er	Hydrophytic		
% Bare Ground in Herb Stratum % Cover					Vegetation	No. 7	
Remarks:	Of Blotic Off				Present? tes_	No _✓	_
		_					
3x3 sample due to the narrow width of the	swale lil	ce fea	atur	e.			

SOIL									Sampling Point: _	SP-1
	scription: (Describe to	o the dep	oth needed to docu	ment the	indicator	or confire	m the abser	nce of indic	ators.)	
Depth (inches)	Matrix			ox Featur						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹ _	_Loc ²	Texture	<u> </u>	Remarks	
0-4	10YR3/2	98	7.5YR4/6		C	PL	Sandy L			
4-13	7.5YR4/3	98	7.5YR4/6	2	<u>C</u>	_M	Sandy L		*****	
¹ Type: C=0	Concentration, D=Deple I Indicators: (Applicat	tion, RM=	=Reduced Matrix, CS LRRs, unless other	S=Covere	ed or Coate	d Sand G		Location: P	PL=Pore Lining, M= blematic Hydric So	:Matrix.
Black H Hydrog Stratifie 1 cm M	ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) (LRR C) fuck (A9) (LRR D) ed Below Dark Surface (Sandy Redo Stripped Ma Loamy Muci Loamy Gley Depleted Ma	atrix (S6) cky Minera yed Matrix latrix (F3) < Surface	ral (F1) x (F2)) (F6)		1 ci 2 ci Red Red	m Muck (A9) m Muck (A10 duced Vertic d Parent Mat ner (Explain i) (LRR C) 0) (LRR B) c (F18) terial (TF2)	•
Thick D Sandy Sandy	Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4)	,Α11)	Depleted Da Redox Depr Vernal Pools	ressions (wetla	nd hydrology	phytic vegetation ar y must be present, or problematic.	
Restrictive	Layer (if present):									
Туре:			***************************************							
Depth (ir	nches):						Hydric S	oil Present	? Yes	No √
Remarks:										
IYDROLC								20 20000000000		
•	drology Indicators:									
	icators (minimum of one	required	; check all that apply)			<u>Sec</u>	condary Indi	cators (2 or more re	equired)
	Water (A1)		Salt Crust (Water Mark	ks (B1) (Riverine)	
	ater Table (A2)		Biotic Crust					Sediment [Deposits (B2) (Rive	erine)
Saturati		440	Aquatic Inv					Drift Depos	sits (B3) (Riverine)	
	Marks (B1) (Nonriverine		Hydrogen S					Drainage P	Patterns (B10)	
	nt Deposits (B2) (Nonriv		Oxidized Ri				ts (C3)	Dry-Seasor	n Water Table (C2))
	posits (B3) (Nonriverine	a)	Presence of				-	Crayfish Bu	arrows (C8)	
	Soil Cracks (B6)		Recent Iron	ı Reducti	on in Tilled	Soils (C6))	Saturation \	Visible on Aerial Im	nagery (C9)
	ion Visible on Aerial Ima	gery (B7)		,	. ,		_	Shallow Aq	uitard (D3)	
vvater-S	Stained Leaves (B9)		Other (Expl	ain in Re	marks).			FAC-Neutra	al Test (D5)	

FAC-Neutral Test (D5)

Wetland Hydrology Present? Yes _____

This is a short swale feature approx. 30 feet long with no signs of surface flows.

Yes ____ No _ ✓ Depth (inches):

Yes ____ No __ ✓ Depth (inches): ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Yes ____ No _ ✓ Depth (inches): _

Field Observations: Surface Water Present?

Water Table Present?

(includes capillary fringe)

Saturation Present?

Remarks:

Project/Site: 8531 High Valley Road Project		City/C	Count	y: <u>Clearl</u> al	ke Oak/ Lake County Sampling Date: 4-	9-2021
Applicant/Owner: Mikel Alcantar Intangible Paradise L	.LC / Meili	Liu			State: CA Sampling Point:	SP-2
Investigator(s): Robert F. Perrera		Section	on. T	ownship. R	Range: NA	J1 Z
Landform (hillslope, terrace, etc.): Hills/Mountains		Loca	l relie	ef (concave	Convex none). Concave Sions (6)	20
Subregion (LRR): <u>C - Mediterranean California</u>	Lat: 39	.0792	4n) (00110d¥C	Slope (%	o): <u>30</u> ^
Soil Map Unit Name: Millsholm-Squawrock-Pomo com	nolex 30 t	0.50	nerc	ent slones	Long. 1222.730792 Datum: N	A
Are climatic / hydrologic conditions on the site typical for thi	e time of ve	or2 V	/00	✓ N-	NVVI classification: NA	
Are Vegetation, Soil, or Hydrologys						
Are Vegetation, Soil, or Hydrology r					e "Normal Circumstances" present? Yes✓	No
					needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map	showing	sam	ıplir	ng point	locations, transects, important featur	es, etc
Hydrophytic Vegetation Present? Yes✓ N	0					
Hydric Soil Present? Yes N	o <u> </u>			he Sample		
Wetland Hydrology Present? Yes N	o <u> </u>		Witi	nın a Wetla	and? Yes No✓	
Remarks:						
VEGETATION – Use scientific names of plan	ts.					
Tree Stratum (Plot size:)	Absolute	Dom	inan	Indicator	Dominance Test worksheet:	
	% Cover				Number of Dominant Species	
1					That Are OBL, FACW, or FAC: 1	_ (A)
3.					Total Number of Dominant	
4					Species Across All Strata: 1	_ (B)
					Percent of Dominant Species	
Sapling/Shrub Stratum (Plot size:)					That Are OBL, FACW, or FAC: 100	_ (A/B)
1					Prevalence Index worksheet:	
2					Total % Cover of: Multiply by:	
3	-				OBL species x 1 =	
4					FACW species x 2 =	
5					FAC species x 3 =	
Herb Stratum (Plot size: 3x3)		= 1 ota	al Co	ver	FACU species x 4 =	
1. Juncus sp. possibly patens	70	Ye	es	FACW	UPL species x 5 =	
2. <u>Centurea solstitialis</u>		No		UPL	Column Totals:(A)	(B)
3. Elymus caput-medusea	10	N	0	UPL	Prevalence Index = B/A =	
4. <u>Unknown (had not flowered yet)</u>			0	FAC	Hydrophytic Vegetation Indicators:	
5		Pro			✓ Dominance Test is >50%	
6					Prevalence Index is ≤3.0 ¹	
7					Morphological Adaptations¹ (Provide suppo data in Remarks or on a separate sheet)	rting
8					Problematic Hydrophytic Vegetation¹ (Expla	
Woody Vine Stratum (Plot size:)	100	= Tota	al Co	ver		""
1					¹ Indicators of hydric soil and wetland hydrology	must
2.					be present, unless disturbed or problematic.	Tidot
			al Co	ver	Hydrophytic	
% Bare Ground in Herb Stratum % Cover					Vegetation	
Remarks:	OI BIOLIC CIT	ust			Present? Yes No	
3x3 sample due to the narrow width of the	swale fe	atur	e. ¯	The junc	cus was not in a healthy state appear	ed to
be water stressed.					_ ,,,	

Depth	scription: (Describ Matrix	e to the de				or confir	m the absence of i	ndicators.)
(inches)	Color (moist)	%	Color (moist)	lox Featur %	es Type ¹	Loc ²	- Texture	Remarks
0-12	7.5YR3/3	99	7.5YR4/6	1	C			Remarks
			7.511470			IVI	Sandy L	
				_				
						-		
			•				-	
ype: C=	Concentration, D=De	pletion, RM	=Reduced Matrix, C	S=Covere	ed or Coate	ed Sand G		n: PL=Pore Lining, M=Matrix.
	il Indicators: (Appli	cable to all	LRRs, unless other	erwise no	ted.)		Indicators for	Problematic Hydric Soils ³ :
_ Histos			Sandy Red					(A9) (LRR C)
	Epipedon (A2)		Stripped M				2 cm Muck	(A10) (LRR B)
	Histic (A3)		Loamy Mu				Reduced V	'ertic (F18)
	gen Sulfide (A4)	•	Loamy Gle				Red Parent	t Material (TF2)
	ed Layers (A5) (LRR	C)	Depleted N				Other (Exp	lain in Remarks)
	Muck (A9) (LRR D)		Redox Dar					
	ed Below Dark Surfac Dark Surface (A12)	ce (A11)	Depleted D				2	
	Mucky Mineral (S1)		Redox Dep		(F8)			drophytic vegetation and
	Gleyed Matrix (S4)		Vernal Poo	ois (F9)				ology must be present,
	Layer (if present):						unless disturt	bed or problematic.
	- Layor (ii present).							
	nches):							
Debill (II	nches).						Hydric Soil Pres	sent? Yes No
lemarks:								

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
 Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks) 	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Try-Season Water Table (C2) Crayfish Burrows (C8)
Field Observations:	
Surface Water Present? Yes No _ ✓ _ Depth (inches): Water Table Present? Yes No _ ✓ _ Depth (inches):	
Water Table Present? Yes No ✓ _ Depth (inches): Saturation Present? Yes No ✓ _ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect	Wetland Hydrology Present? Yes No✓_
Remarks:	
This a short swale feature, likely a head cut or slumping from pro	evious wet years. No OHWM.

US Army Corps of Engineers

Project/Site: 8531 High Valley Road Project		City/C	County: <u>Clear</u>	lake Oak/ La	ke County	_ Sampling Date:	4-9-2021
Applicant/Owner: Mikel Alcantar Intangible Paradis	e LLC / Meili					_ Sampling Point: _	
Investigator(s): Robert F. Perrera							
Landform (hillslope, terrace, etc.): Hills/Mountains		Local	relief (concav	re, convex, no	ne): concave	Slor	ne (%): 20
Subregion (LRR): <u>C - Mediterranean California</u>	Lat: <u>39</u>	.0790	21	Long: -1	.22.756949	Datur	n: NA
Soil Map Unit Name: Millsholm-Squawrock-Pomo o	complex, 30 t	:o 50 r	percent slop	es	NWI classifi	cation: NA	
Are climatic / hydrologic conditions on the site typical for	this time of ve	ear? Y	es √ N	o (If r	o evolain in F	Pemarks \	
Are Vegetation, Soil, or Hydrology	significantly	disturt				present? Yes <u>√</u>	, No
Are Vegetation, Soil, or Hydrology						ers in Remarks.)	140
SUMMARY OF FINDINGS – Attach site ma							atures. etc
	No <u>√</u>						,
Hydric Soil Present? Yes			Is the Samp			,	
Wetland Hydrology Present? Yes			within a Wet	tland?	Yes	No <u>√</u> _	
Remarks:							
I							
VEGETATION – Use scientific names of pl	ants.				······		
Tree Otrata (DL)			inant Indicato		ice Test work	sheet:	
Tree Stratum (Plot size:)			cies? Status	- I Mullibel C	of Dominant S	pecies	
1				_ That Are	OBL, FACW,	or FAC:1	(A)
3.					nber of Domin		
4.					Across All Stra		(B)
				Percent o	of Dominant Sp	pecies or FAC:33	(A /D)
Sapling/Shrub Stratum (Plot size:)							(AVD)
1					ce Index wor		
2					% Cover of:		
4						x 1 = x 2 =	
5						x3 =	
				E .		x 4 =	
Herb Stratum (Plot size: 3x3)				UPL spec		x 5 =	
Juncus sp. possibly patens Centurea solstitialis			s FACW			(A)	
Centurea soistitialis Elymus caput-medusea		No		- Prev	valence Index	= B/A =	
4. Sedge sp			D UPL D FAC			n Indicators:	
5				-	nance Test is		
6				-	lence Index is		
7				Morph	nological Adap	otations¹ (Provide su	upporting
8	···					or on a separate sl	3
Woody Vine Stratum (Plot size:)	100	= Tota	l Cover	Proble	ematic Hydrop	hytic Vegetation ¹ (E	explain)
1				1Indicators	of hydric soil	and wetland hydrol	oay muet
2				be present	t, unless distu	rbed or problematic	
			l Cover	Hydrophy	rtic		
% Bare Ground in Herb Stratum % Cov				Vegetatio	n	. N. /	
Remarks:	- OI DIOUG OIL	١٥١		Present?	Yes	No _ ✓	
3x3 sample due to the narrow width of the water stressed.	ne swale fe	atur	e. The jun	cus was n	ot in a hea	Ithy state app	eared to
be water stressed.							

Depth (inches)	ription: (Describe	to the de	oth needed to docu	mont the	indicator	au a a u fi	Alexandra Ci	Sampling Po	oint: SP-3
	Matrix	to the de		ox Feature		or contin	n the absence of ir	idicators.)	
111011007	Color (moist)	%	Color (moist)	% reature	Type ¹	Loc ²	Texture	Remark	70
0-12	7.5YR3/3	99	7.5YR4/6	1				Remain	72
	7.511(0/5		7.5TN4/0		_ <u>_C</u>	_M	Sandy L		
-		_							
				_					
					-				
		-			-				
1		_							
'Type: C=Cor	ncentration, D=Dep	letion, RM	=Reduced Matrix, C	S=Covere	d or Coate	d Sand Gi	rains. ² Location	n: PL=Pore Lining	, M=Matrix.
		able to all	LRRs, unless othe		ed.)		Indicators for F	Problematic Hydr	ic Soils³:
Histosol (A	•		Sandy Red				1 cm Muck		
Black Hist	pedon (A2)		Stripped Ma		1.754)		2 cm Muck		
	Sulfide (A4)		Loamy Mud Loamy Gley		, ,		Reduced Ve		
	Layers (A5) (LRR (C)	Depleted M		((()			Material (TF2) ain in Remarks)	
	k (A9) (LRR D)	,	Redox Dark		(F6)		Other (Expire	alli ili Kelliaiks)	
Depleted B	Below Dark Surface	e (A11)	Depleted Da						
	k Surface (A12)		Redox Depr		F8)		3Indicators of hy	drophytic vegetati	on and
	icky Mineral (S1)		Vernal Pool	s (F9)				logy must be pres	
	eyed Matrix (S4)						unless disturb	ed or problematic	
	ayer (if present):								
Туре:			-						
Depth (inch	nes):		***				Hydric Soil Pres	ent? Yes	No <u>√</u>
Remarks:									
IYDROLOG	V								
IDITOLOG									
187-41									
Wetland Hydro		no roquiroc	l chack all that annly	/\			Secondary	Indicators (2 or me	ore required)
Primary Indicat	tors (minimum of o	ie required	i, check all that apply						
Primary Indicat Surface W	/ater (A1)	ne required	Salt Crust					Marks (B1) (River	ine)
Primary Indicat Surface Wi	/ater (A1) er Table (A2)	ne required	Salt Crust	(B11) t (B12)	***************************************		Water I	Marks (B1) (River ent Deposits (B2) (,
Primary Indicat Surface W High Water Saturation	/ater (A1) er Table (A2) (A3)		Salt Crust	(B11) t (B12)	s (B13)		Water N Sedime	, , ,	(Riverine)
Primary Indicat Surface Wate High Wate Saturation Water Marl	/ater (A1) er Table (A2) (A3) rks (B1) (Nonriveri	ne)	Salt Crust Biotic Crus Aquatic Inv Hydrogen S	(B11) t (B12) rertebrates Sulfide Od	lor (C1)		Water M Sedime Drift De Drainag	ent Deposits (B2)	(Riverine)
Primary Indicat Surface Wi High Watel Saturation Water Marl Sediment [/ater (A1) er Table (A2) (A3) rks (B1) (Nonriveri Deposits (B2) (Non	ne) ıriverine)	Salt Crust Biotic Crus Aquatic Inv	(B11) t (B12) rertebrates Sulfide Od	lor (C1)	iving Root	Water M Sedime Drift De Drainag	ent Deposits (B2) (eposits (B3) (River	(Riverine) rine)
Primary Indicat Surface With High Water Saturation Water Mark Sediment I Drift Depos	/ater (A1) er Table (A2) (A3) rks (B1) (Nonriveri Deposits (B2) (Nonsits (B3) (Nonriver	ne) ıriverine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of	(B11) t (B12) rertebrates Sulfide Od hizospher of Reduce	lor (C1) es along L d Iron (C4)		Water Note of the Control of t	ent Deposits (B2) (eposits (B3) (Rive r ge Patterns (B10)	(Riverine) rine)
Primary Indicat Surface W. High Water Saturation Water Marl Sediment I Drift Depos Surface So	/ater (A1) er Table (A2) (A3) eks (B1) (Nonriveri Deposits (B2) (Nonsits (B3) (Nonsits (B3) (Nonriveri	ne) ıriverine) ine)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence c	(B11) t (B12) rertebrates Sulfide Od hizospher of Reduces n Reduction	lor (C1) res along L d Iron (C4) on in Tilled		Water N Sedime Drift De Drainag ts (C3) Dry-Sea Crayfisl	ent Deposits (B2) (eposits (B3) (Rive r ge Patterns (B10) ason Water Table	(Riverine) rine) (C2)
Primary Indicat Surface With High Water Saturation Water Mart Sediment I Drift Depos Surface So Inundation	later (A1) er Table (A2) (A3) eks (B1) (Nonriveriant Deposits (B2) (Nonsits (B3) (Nonriveriant) Deposits (B6) Visible on Aerial In	ne) ıriverine) ine)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck	(B11) t (B12) rertebrates Sulfide Od hizospher of Reduces n Reductio	lor (C1) res along L d Iron (C4) on in Tilled C7)		Water f Sedime Drift De Drainag ts (C3) Dry-Sea Crayfisl) Saturat	ent Deposits (B2) (eposits (B3) (Rive r ge Patterns (B10) ason Water Table in Burrows (C8)	(Riverine) rine) (C2)
Primary Indicat Surface Water Saturation Water Marter Sediment I Drift Depose Surface So Inundation Water-Stain	/ater (A1) er Table (A2) (A3) eks (B1) (Nonriveriant Deposits (B2) (Nonsits (B3) (Nonriveriant Dil Cracks (B6) Visible on Aerial Inined Leaves (B9)	ne) ıriverine) ine)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence c	(B11) t (B12) rertebrates Sulfide Od hizospher of Reduces n Reductio	lor (C1) res along L d Iron (C4) on in Tilled C7)		Water it Sedime Drift De Drainag ts (C3) Dry-Sea Crayfisi) Saturat Shallow	ent Deposits (B2) (eposits (B3) (Riverage Patterns (B10) ason Water Table in Burrows (C8) ion Visible on Aeri	(Riverine) rine) (C2)
Primary Indicat Surface With High Water Saturation Water Mark Sediment In Drift Depose Surface Solution Water-Stain Field Observat	/ater (A1) er Table (A2) (A3) eks (B1) (Nonriveriant Deposits (B2) (Nonsits (B3) (Nonriveriant Caracks (B6) Visible on Aerial Intined Leaves (B9) tions:	ne) iriverine) ine) magery (B7	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) rertebrates Sulfide Od hizospher of Reduces n Reductio Surface ((lain in Rer	lor (C1) res along L d Iron (C4) on in Tilled C7) marks)	Soils (C6)	Water it Sedime Drift De Drainag ts (C3) Dry-Sea Crayfisi) Saturat Shallow	ent Deposits (B2) (posits (B3) (River) ge Patterns (B10) ason Water Table h Burrows (C8) ion Visible on Aeri v Aquitard (D3)	(Riverine) rine) (C2)
Primary Indicat Surface With High Water Saturation Water Mart Sediment E Drift Depos Surface So Inundation Water-Stain Field Observat	/ater (A1) er Table (A2) (A3) rks (B1) (Nonriverial Deposits (B2) (Nonriverial Cracks (B6) Visible on Aerial Infined Leaves (B9) tions: Present? Yes	ne) iriverine) ine) nagery (B7	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) rertebrates Sulfide Od hizospher of Reduces n Reductio Surface ((lain in Rer	lor (C1) res along L d Iron (C4) on in Tilled C7) marks)	Soils (C6)	Water it Sedime Drift De Drainag ts (C3) Dry-Sea Crayfisi) Saturat Shallow	ent Deposits (B2) (posits (B3) (River) ge Patterns (B10) ason Water Table h Burrows (C8) ion Visible on Aeri v Aquitard (D3)	(Riverine) rine) (C2)
Primary Indicat Surface With High Water Saturation Water Mark Sediment In Drift Depose Surface Solution Water-Stain Field Observat	Vater (A1) er Table (A2) (A3) rks (B1) (Nonriverial Deposits (B2) (Nonriverial Cracks (B6) Visible on Aerial Infined Leaves (B9) tions: Present? Yesent? Yesent?	ne) Iriverine) ine) magery (B7	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) rertebrates Sulfide Od hizospher of Reducei n Reductic Surface ((lain in Rer hes):	lor (C1) res along L d Iron (C4) on in Tilled C7) marks)	Soils (C6)	Water it Sedime Drift De Drainag ts (C3) Dry-Sea Crayfisi) Saturat Shallow	ent Deposits (B2) (posits (B3) (River) ge Patterns (B10) ason Water Table h Burrows (C8) ion Visible on Aeri v Aquitard (D3)	(Riverine) rine) (C2)

This a short swale feature, likely head cut or slumping from previous wet years.

Remarks:

Project/Site: 8531 High Valley Road Project		City/Coun	ty: Clearlal	ke Oak/ Lake County Sampling Date:	4-9-2021
Applicant/Owner: Mikel Alcantar Intangible Paradise L	LC / Meili	Liu		State: CA Sampling Point:	SD./I
Investigator(s): Robert F. Perrera		Section, T	ownship R	ange: NA	31-4
Landform (hillslope, terrace, etc.): Hills/Mountains		Local reli	ef (concave	Convey none); concave	(0(), 10
Subregion (LRR): <u>C - Mediterranean California</u>	Lat: 39.	.079021	o. (00110a10,	Long: -122 756949	(%): <u>IU</u>
Soil Map Unit Name: Millsholm-Squawrock-Pomo con	nplex. 30 t	o 50 nerc	ent slones	Long. 122.730343 Datum:	IVA
Are climatic / hydrologic conditions on the site typical for thi	s time of vo	ar2 Voc	✓ No	NVVI classification; NA	
Are Vegetation, Soil, or Hydrology	significantly	disturbed?			
Are Vegetation, Soil, or Hydrology r				"Normal Circumstances" present? Yes	_ No
SUMMARY OF FINDINGS – Attach site map				eeded, explain any answers in Remarks.)	uros oto
			- 5 point		
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N	0	ls t	he Sample	d Area	
Wetland Hydrology Present? Yes ✓ N	O	wit	hin a Wetla	nd? Yes No✓_	
Remarks:	<u> </u>				
This is the headwater of what may have been in the part during program.					
This is the headwater of what may have been in the past during average or above a approx. 100 liner feet from this point.	iverage rainfall o	r is currently fo	orming over time	an intermittent creek. The channel extends with signs of drift depo	sits/OHWM for
VECETATION Has a single					
VEGETATION – Use scientific names of plan					
Tree Stratum (Plot size: 5x5)	Absolute <u>% Cover</u>		t Indicator	Dominance Test worksheet:	
1. Salix sp	70	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 2	(A)
2					(//
3				Total Number of Dominant Species Across All Strata: 6	(B)
4.				Percent of Dominant Species	· (-)
Sapling/Shrub Stratum (Plot size: 5x5)		= Total Co	over	That Are OBL, FACW, or FAC:30	(A/B)
1. <u>Umbellularia californica</u>	5	Voc	EAC	Prevalence Index worksheet:	
2				Total % Cover of: Multiply by	
3				OBL species x 1 =	
4				FACW species x 2 =	
5				FAC species x 3 =	
Herb Stratum (Plot size: 5x5)		= Total Co	over	FACU species x 4 =	
1. Pteridium aquilinum	30	Vac	_FACU	UPL species x 5 =	
2. Cynosurus echinoides	20	Yes	UPL	Column Totals: (A)	(B)
3. Elymus caput-medusea	20	Yes	UPL	Prevalence Index = B/A =	
4. Mentha pulegium	10	No	OBL	Hydrophytic Vegetation Indicators:	
5. Geranium sp	10	No	FAC	Dominance Test is >50%	
6				Prevalence Index is ≤3.0¹	
7				Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet)	oorting
8				Problematic Hydrophytic Vegetation ¹ (Exp	
Woody Vine Stratum (Plot size: 5x5)	100	= Total Co	ver	· · · · · · · · · · · · · · · · · ·	nam)
1. Toxicodendron diversilobum	20	Yes	FACU	¹ Indicators of hydric soil and wetland hydrolog	y must
2				be present, unless disturbed or problematic.	
	:	= Total Co	ver	Hydrophytic	
% Bare Ground in Herb Stratum 10	of Biotic Cru	ust		Vegetation Present? Yes No _✓	
Remarks:					•

Profile Des	scription: (Describe	to the de	pth needed to doc	ument the	indicator	or confin	m the absence	Sampling Point: SP-4
Depth	Matrix			dox Feature		or commi	ii the absence	of mulcators.)
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	_Loc ²	Texture	Remarks
0-11	10YR3/2	_99	10YR3/6	1	_C	_M_	Sandy L	
11-13	NA	<u>NA</u>	NA	NA	_NA	NA	peebles	Hit a gravel/peeble layer
¹ Type: C=0 Hydric Soi l	Concentration, D=Dep	eletion, RM able to all	LRRs, unless oth	erwise note	d or Coate	ed Sand G	Indicators	cation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils³:
Histic E Black F Hydrog Stratifie 1 cm M	pipedon (A2)		Loamy Gle Depleted I Redox Da	Matrix (S6) Icky Mineral Eyed Matrix Matrix (F3) rk Surface ((F2) F6)		2 cm N Reduc Red Pa	Muck (A9) (LRR C) Muck (A10) (LRR B) ed Vertic (F18) arent Material (TF2) (Explain in Remarks)
Thick D Sandy l Sandy (Restrictive	Park Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Layer (if present):		Redox De Vernal Poo	Dark Surfact pressions (F bis (F9)		Mana I	wetland I	of hydrophytic vegetation and hydrology must be present, isturbed or problematic.
	oches):						Hydric Soil	Present? Yes No✓
YDROLO								
	drology Indicators:		la ala anta al 11 de a					
Surface	cators (minimum of or Water (A1) ater Table (A2)	ne required	Salt Crust Biotic Cru	t (B11) st (B12)			W Se	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine)
Water N	on (AS) larks (B1) (Nonriverii nt Deposits (B2) (Non posits (B3) (Nonriver i	riverine)	Hydrogen	Rhizosphere	or (C1) es along L		Dr ts (C3) Dr	ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8)
Drift De Surface Inundati	Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9)	nagery (B7		Surface (C plain in Ren	(7)	Solis (Co)	Sh	nturation Visible on Aerial Imagery (C9) nallow Aquitard (D3) NC-Neutral Test (D5)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

This is the headwater of what may have been in the past, or is currently forming over time, an intermittent creek. The channel extends with signs of drift deposits/OHWM for approx. 100 liner feet downstream from this point. Approximately 10 feet wide at the sample point but then steepens and narrows to 3 feet wide.

Applicant/Owner: Milkel Alcantar Intangible Paradise LLC / Meilit Liu	Project/Site: 8531 High Valley Road Project/Site: 8531 High Valley	oject	City/	County: <u>C</u>	learlake	Oak/ Lake Co	unty s	Sampling Date: _	4-9-202
Investigator(s): Robert F, Perrera Section, Township, Range: NA Local relief (concave, corrow, none): Convex Stope (%): Landform (illustope, terrace, tech.): Hills/Mountains Lat: 39,078376 Local relief (concave, corrow, none): Convex Stope (%): Landform (illustope, terrace, tech.): Hills/Mountains Lat: 39,078376 Long: 122.758787 Datum: NA	Applicant/Owner: Mikel Alcantar Intang	ible Paradise LLC / N	Meili Liu						
Landdrim (tillslope, terrace, etc.): Hills/Mountains Local relief (concave, nonvex, none): convex Slope (%):	Investigator(s): Robert F. Perrera		Sect						
Subregion (LRR); C Mediterranean California Lat 39.078376 Long: :122.758787 Datum: NA	Landform (hillslope, terrace, etc.): Hills/N	<u>lountains</u>	Loca	al relief (co	oncave, c	onvex. none): c	onvex	Slor	ne (%).
Soll Map Unit Name: Millisholm-Squawrock-Pomo complex, 30 to 50 percent slopes	Subregion (LRR): C - Mediterranean Ca	alifornia Lat	: 39.0783	376	,	Long: -122.75	8787	Datur	n· ΝΔ
Are climatic / hydrologic conditions on the site typical for this time of year? Yes \(\sqrt{No} \) No (If no, explain in Remarks.) Are Vegetation \(\), Soil \(\), or Hydrology \(\) significantly disturbed? (If needed, explain in Remarks.) Are Normal Circumstances' present? Yes \(\sqrt{No} \) No Are Normal Circumstances' present? Yes \(\sqrt{No} \) No Are Normal Circumstances' present? Yes \(\sqrt{No} \) No Are Normal Circumstances' present? Yes \(\sqrt{No} \) No Are Normal Circumstances' present? Yes \(\sqrt{No} \) No Are Normal Circumstances' present? Yes \(\sqrt{No} \) No Yes \(\sqrt{No} \) Yes \(Soil Map Unit Name: Millsholm-Squawr	ock-Pomo complex,	30 to 50	percent	slopes	NI/A/I	classificat	ion: NA	1, 14/1
Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstancos" present? Yes \(\sqrt{No} \) No 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, e Hydrophytic Vegetation Present? Yes No \(\sqrt{Ves} \) No \(Are climatic / hydrologic conditions on the	site typical for this time	of year?	Vac V	No	(If no own	Join in Don	non. <u>IVA</u>	
Are Vegetation Soil									,
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, e Hydrophytic Vegetation Present? Yes No V Wetland Hydrology Present? Yes No V Wetland Hydrology Present? Yes No V Wetland Hydrology Present? Yes No V Wetland Hydrology Present? Yes No V Wetland Hydrology Present? Yes No V Wetland Hydrology Present? Yes No V Wetland Hydrology Present? Yes No V Wetland Hydrology Present? Yes No V Is the Sampled Area within a Wetland? Yes No V Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A) Total Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A) Species Arcos All Strate: 2 (B) Prevalence Index worksheet: Total % Cover of Multiply by: OBL species X1 = FACW species X2 = FACW species X2 = FACW species X3 = FACU Species X4 = UPL									No
Hydrophytic Vegetation Present? Yes No Vestand Hydrology Present Present Indicator Summer of Dominant Species That Are OBL, FACW, or FAC: O (A) Total Number of Dominant Species That Are OBL, FACW, or FAC: O (A) Total Number of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B) Prevent Of Dominant Species Arosa All Strata: 2 (B)									******
Sapiling/Shrub Stratum (Plot size: = Total Cover FACU species X 2 = FACU species X 3 = FACU species X 3 = FACU species X 3 = FACU species X 4 = UPL species X 4			-	piig p		- Cations, trai	1136613, 1	inportant lea	itures, e
Wetland Hydrology Present? Yes	3000			Is the S	ampled A	Area			
Number of Dominant Species Number of Domi				within a	Wetland	ή? γ	es	_ No <u>√</u> _	
Absolute Species Status That Are OBL, FACW, or FAC: O (A)		100 100							
Absolute									
Absolute									
Absolute	VEGETATION – Use scientific na	imes of plants							
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)		Abso	lute Don	ninant Ind	licator	Dominance Te	et workeh	oot:	
That Are OBL, FACW, or FAC: 0 (A) 7. Total Number of Dominant Species Aross All Strata: 2 (B) 8. Sapling/Shrub Stratum (Plot size:) <u>% Co</u>	over Spe	cies? St	tatus				
Species Across All Stratu: 2 (B)	1							FAC:0	(A)
Species Across All Strata: 2 (B)						Total Number o	f Dominan	t	
Sapling/Shrub Stratum (Plot size:									(B)
Sabling/Shrub Stratum (Plot size:)	4					Percent of Dom	inant Spec	ties	
Prevalence Index worksheet: Total % Cover of: Multiply by:	Sapling/Shrub Stratum (Plot size:)	= To	tal Cover		That Are OBL, I	FACW, or F	AC:0	(A/E
2.					-	Prevalence Ind	lex workst	neet:	
3.	2								bv:
4									
FAC species X 3 = FACU species X 4 = FACU species X 5 = FACU species X 4 = FACU species X 4 = FACU species X 5 = FACU species X 4 = FACU species X 4 = FACU species X 5 = FACU species X 4 = FACU species X 5 = FACU species X 5 = FACU species X 4 = FACU species X 5 =									
FACU species						FAC species	-	x3=	
1. Elymus caput-medusea 2. Centurea solstitialis 3. Cynosurus echinatus 4. Bromus hordeaceus 5. Erodium sp 6. Juncsu sp 7. 8.						FACU species		x 4 =	
2. Centurea solstitialis 2. Cynosurus echinatus 1. Dynosurus echinatus 1. Dynosurus echinatus 1. Dynosurus echinatus 1. Bromus hordeaceus 1. Dynosurus echinatus 1. Dy			o v						
3. Cynosurus echinatus 4. Bromus hordeaceus 5. Erodium sp 6. Juncsu sp 7						Column Totals:		(A)	(B)
4. Bromus hordeaceus 5. Erodium sp 5. No FAC 6. Juncsu sp 10 No FAC 7						Prevalence	e Index = 1	R/A =	
5. Erodium sp 5. No FAC Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) 1. Problematic Hydrophytic Vegetation¹ (Explain) 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.									
6. Juncsu sp 7							1 		
7	C. Jungguran								
8						Morphologic	cal Adaptat	tions ¹ (Provide su	upporting
Moody Vine Stratum (Plot size:) 1						data in F	Remarks or	on a separate sh	heet)
1		85		al Cover	-	Problematic	Hydrophy	tic Vegetation ¹ (E	Explain)
2 be present, unless disturbed or problematic. = Total Cover Hydrophytic Vegetation Present? Yes No ✓									
= Total Cover ### Hydrophytic Vegetation Present? Yes No ✓						'Indicators of hy be present unle	dric soil an	d wetland hydrol	ogy must
% Bare Ground in Herb Stratum 15 % Cover of Biotic Crust Present? Yes No ✓	2							- Problematic	
% Bare Ground in Herb Stratum 15 % Cover of Biotic Crust Present? Yes No ✓		-	= Tot	al Cover					
Remarks:	% Bare Ground in Herb Stratum15	% Cover of Biot	ic Crust		1		Yes _	No✓	
	Remarks:								

Profile Description: (Describe to the de		ox Features	or committee	absence of	mulcators.)
(inches) Color (moist) %	Color (moist)	% Type ¹	Loc ² Te	exture	Remarks
<u>0-12</u> <u>10YR4/3</u> <u>100</u>				dy L	
¹ Type: C=Concentration, D=Depletion, RM	M=Reduced Matrix. CS	S=Covered or Coate	Sand Grains	² l ocati	on: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a	II LRRs, unless other	rwise noted.)		dicators fo	r Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Red	7.5			sk (A9) (LRR C)
Histic Epipedon (A2)	Stripped Ma	. ,			ck (A10) (LRR B)
Black Histic (A3)	Loamy Muc	ky Mineral (F1)			Vertic (F18)
Hydrogen Sulfide (A4)		red Matrix (F2)			nt Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted M			Other (Ex	plain in Remarks)
1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11)		Surface (F6)			
Thick Dark Surface (A11)		ark Surface (F7) ressions (F8)	31	-U 1	
Sandy Mucky Mineral (S1)	Vernal Pool				hydrophytic vegetation and Irology must be present,
Sandy Gleyed Matrix (S4)		5 (1 0)			rbed or problematic.
Restrictive Layer (if present):				3111000 01010	indea of problemate.
Type:					
Type:					
			Hvd	ric Soil Pre	esent? Yes No 🗸
Depth (inches):			Hyd	ric Soil Pre	esent? Yes No <u>√</u>
Depth (inches):Remarks:			Hyd	ric Soil Pro	esent? Yes No <u>√</u>
Depth (inches):Remarks:			Hyd	ric Soil Pro	esent? Yes No ✓
Depth (inches):		0	Hyd		
Depth (inches):	ed; check all that apply		Hyd	Secondar	y Indicators (2 or more required)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	ed; check all that apply Salt Crust (B11)	Hyd	Secondar Wate	y Indicators (2 or more required) r Marks (B1) (Riverine)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2)	ed; check all that apply Salt Crust (Biotic Crus	B11) t (B12)	Hyd	Secondar Wate Sedir	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	ed; check all that apply Salt Crust (Biotic Crusi Aquatic Inv	B11) t (B12) ertebrates (B13)	Hyd	Secondar — Wate — Sedir — Drift I	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust Aquatic Inv	B11) t (B12) ertebrates (B13) Sulfide Odor (C1)		Secondar Wate Sedir Drift I	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Cxidized R	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li		Secondar Wate Sedir Drift I Drain Dry-S	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust) Aquatic Inv Hydrogen S Oxidized R	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4)	ving Roots (C3)	Secondar Wate Sedir Drift I Drain Crayf	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust) Aquatic Inv Hydrogen S Oxidized Ri Presence o	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) t Reduction in Tilled	ving Roots (C3)	Secondar Wate Sedir Drift I Drain Crayf Satur	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iron	B11) It (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) It Reduction in Tilled (Surface (C7)	ving Roots (C3)	Secondar Wate Sedir Drift I Crayf Satur Shall	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iron	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) t Reduction in Tilled	ving Roots (C3)	Secondar Wate Sedir Drift I Crayf Satur Shall	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust) Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks)	ving Roots (C3) Soils (C6)	Secondar Wate Sedir Drift I Crayf Satur Shall	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks)	ving Roots (C3) Soils (C6)	Secondar Wate Sedir Drift I Crayf Satur Shall	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
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Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks) hes): hes):	ving Roots (C3) Soils (C6) Wetland Hyd	Secondar Wate Sedir Drift I Crayf Satur Shall FAC-	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ow Aquitard (D3) Neutral Test (D5)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks) hes): hes):	ving Roots (C3) Soils (C6) Wetland Hyd	Secondar Wate Sedir Drift I Crayf Satur Shall FAC-	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ow Aquitard (D3) Neutral Test (D5)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks) hes): hes):	ving Roots (C3) Soils (C6) Wetland Hyd	Secondar Wate Sedir Drift I Crayf Satur Shall FAC-	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks) hes): hes):	ving Roots (C3) Soils (C6) Wetland Hyd	Secondar Wate Sedir Drift I Crayf Satur Shall FAC-	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ow Aquitard (D3) Neutral Test (D5)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks) hes): hes):	ving Roots (C3) Soils (C6) Wetland Hyd	Secondar Wate Sedir Drift I Crayf Satur Shall FAC-	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ow Aquitard (D3) Neutral Test (D5)
Depth (inches):	ed; check all that apply Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along Li f Reduced Iron (C4) Reduction in Tilled Surface (C7) ain in Remarks) hes): hes):	ving Roots (C3) Soils (C6) Wetland Hyd	Secondar Wate Sedir Drift I Crayf Satur Shall FAC-	y Indicators (2 or more required) r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ow Aquitard (D3) Neutral Test (D5)

Project/Site: 8531 High Valley Road Project	City/County: Clearla	ke Oak/ Lake County Sampling Date: 4-9-2021
Applicant/Owner: Mikel Alcantar Intangible Paradise L	LC / Meili Liu	State: CA Sampling Point: SP-6
Investigator(s): Robert F. Perrera	Section, Township, R	lange: NA
Landform (hillslope, terrace, etc.): Hills/Mountains	Local relief (concave	convex none): none/concave Slope (%): 50
Subregion (LRR): <u>C - Mediterranean California</u>	Lat: 39.078388	Long: -122.758858 Datum: NA
Soil Map Unit Name: Millsholm-Squawrock-Pomo com	plex, 30 to 50 percent slope	S NAM classification: NA
Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes V	(If no explain in Remarks)
Are Vegetation, Soil, or Hydrologys		"Normal Circumstances" present? Yes _ ✓ No
Are Vegetation, Soil, or Hydrology n		
SUMMARY OF FINDINGS – Attach site map		needed, explain any answers in Remarks.) locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes ✓ No	Is the Sample	d Area and? Yes ✓ No
Coyote brush lined the boundary of this wet	tland seep	
VEGETATION – Use scientific names of plant	1_	
VEGETATION – Ose scientific names of plant	Absolute Dominant Indicator	
1	% Cover Species? Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3		Total Number of Dominant Species Across All Strata:1 (B)
Sapling/Shrub Stratum (Plot size:)	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
1		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
4		FACW species x 2 =
5		FAC species x 3 =
Herb Stratum (Plot size: 5x5)	= Total Cover	FACU species x 4 =
		UPL species x 5 =
2		Column Totals: (A) (B)
3		Prevalence Index = B/A =
4		Hydrophytic Vegetation Indicators:
5		✓ Dominance Test is >50%
6		Prevalence Index is ≤3.0 ¹
7		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
	100 = Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:) 1		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		
% Bare Ground in Herb Stratum % Cover of	= Total Cover	Hydrophytic Vegetation Present? Yes✓ No
Remarks:		

Depth		to the dep	oth needed to docu	ıment the i	indicator	or confirm	n the absenc	e of indicators.)
(inches)	Matrix Color (moist)	%	Color (moist)	ox Feature %	S Type ¹	Loc ²	Texture	Demond
0-0.5	10YR4/1	100			Type			Remarks
0.5-8	10YR4/1	70	7.5YR4/6				Sandy	color reflects parent material
	101117/1		7.31K4/6	30	<u>C</u>	PL/IM	Sandy L	prominent redox
Type: C=C	oncentration, D=Dep	letion, RM:	=Reduced Matrix, C	S=Covered	or Coate	d Sand Gr	rains ² Lo	cation: PL=Pore Lining, M=Matrix.
łydric Soil	Indicators: (Applic	able to all	LRRs, unless othe	rwise note	ed.)	d Odila Ol		s for Problematic Hydric Soils ³ :
Histosol			Sandy Red		•			Muck (A9) (LRR C)
	pipedon (A2)		Stripped Ma					Muck (A10) (LRR B)
Black H	istic (A3) en Sulfide (A4)		Loamy Muc				Reduc	ced Vertic (F18)
	d Layers (A5) (LRR (~)	Loamy Gley		(F2)			Parent Material (TF2)
	uck (A9) (LRR D)	3)	✓ Depleted M — Redox Dark		E6)		Other	(Explain in Remarks)
	d Below Dark Surface	e (A11)	Depleted Da					
_ Thick Da	ark Surface (A12)		Redox Depi				3Indicators	of hydrophytic vegetation and
	lucky Mineral (S1)		Vernal Pool	s (F9)				hydrology must be present,
	Bleyed Matrix (S4)							listurbed or problematic.
estrictive	Layer (if present):							
T							1	
Depth (inc	ches):						Hydric Soil	Present? Yes✓ No
Depth (independent of the control of	GY						Hydric Soil	Present? Yes ✓ No
Depth (independent of the control of	GY drology Indicators:							
Depth (included in the control of th	GY drology Indicators: ators (minimum of or		; check all that apply				Secon	ndary Indicators (2 or more required)
Depth (independent of the control of	GY drology Indicators: eators (minimum of or		; check all that apply Salt Crust ((B11)			<u>Secor</u> W	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine)
Depth (independent of the control of	GY drology Indicators: eators (minimum of or Water (A1) ter Table (A2)		; check all that apply Salt Crust (Biotic Crus	(B11) t (B12)	(D42)		<u>Secor</u> W S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
Depth (independent of the control of	GY drology Indicators: sators (minimum of or Water (A1) ter Table (A2) on (A3)	ne required	; check all that apply Salt Crust (Biotic Crus Aquatic Inv	(B11) t (B12) rertebrates			<u>Secor</u> W Si D	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
Depth (independent of the control of	GY drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria	ne required	; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S	(B11) t (B12) rertebrates Sulfide Odd	or (C1)	iving Root	Secon W Si D	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Depth (incomensus: "DROLO" Tetland Hydrimary Indicomensus Surface North High War Saturation Water Mar Sedimen	GY drology Indicators: sators (minimum of or Water (A1) ter Table (A2) on (A3)	ne required ne) nriverine)	; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R	(B11) t (B12) rertebrates Sulfide Odo hizosphere	or (C1) es along L		Secor W Si D D s (C3) D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2)
Depth (incomercial contents) /DROLOGIETISM (Incomercial contents) /D	GY drology Indicators: sators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria t Deposits (B2) (Non	ne required ne) nriverine)	; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o	(B11) t (B12) rertebrates Sulfide Odo hizosphere of Reduced	or (C1) es along L Iron (C4)		Secor W Si Di Di s (C3) Di Ci	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8)
Depth (incomercia) /DROLOGICATION /etland Hydromary Indicomercia Surface Notes and the surface of the surface	GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria the Deposits (B2) (Nonriveria osits (B3) (Nonriveria	ne required ne) iriverine)	; check all that apply Salt Crust (Biotic Crus (Aquatic Inv Hydrogen S Oxidized R Presence o	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction	or (C1) s along L Iron (C4) n in Tilled		Secon W Si D D Si Si C(3) Ci Si Si Si	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9
Depth (independent of the control of	GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria t Deposits (B2) (Non osits (B3) (Nonriveria Soil Cracks (B6)	ne required ne) iriverine)	; check all that apply Salt Crust (Biotic Crus (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror	(B11) t (B12) rertebrates Sulfide Odo hizosphere of Reduced n Reductior Surface (C'	or (C1) es along L Iron (C4) n in Tilled 7)		Secor W So D D So So C(C3) C So	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8)
Depth (indemarks: "DROLOGIC TENTION OF THE PROPERTY OF THE PR	GY drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria t Deposits (B2) (Non osits (B3) (Nonriveria Soil Cracks (B6) on Visible on Aerial In ained Leaves (B9) vations:	ne required ne) uriverine) ine) nagery (B7)	; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror) Thin Muck S Other (Expl	(B11) t (B12) rertebrates Sulfide Odo hizosphere of Reduced n Reductior Surface (C) lain in Rem	or (C1) es along L Iron (C4) n in Tilled 7) arks)	Soils (C6)	Secor W So D D So So C(C3) C So	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)
Depth (included in the content of th	GY drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri t Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) on Visible on Aerial In ained Leaves (B9) rations: er Present? Ye	ne required ne) iriverine) ine) nagery (B7)	; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck S Other (Expl	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction Surface (C' lain in Rem	or (C1) es along L Iron (C4) n in Tilled 7) narks)	Soils (C6)	Secor W So D D So So C(C3) C So	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)
Depth (independent of the control of	GY drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria t Deposits (B2) (Non osits (B3) (Nonriveria Soil Cracks (B6) on Visible on Aerial In ained Leaves (B9) rations: er Present? Yee	ne required ne) nriverine) ine) nagery (B7)	; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck S Other (Expl	(B11) t (B12) rertebrates Gulfide Odo hizosphere of Reduced n Reduction Surface (C lain in Rem hes):	or (C1) es along L Iron (C4) n in Tilled 7) narks)	Soils (C6)	Secor W So D D So So C(C3) C So	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)
Depth (incomens) Permarks: Portland Hydrimary Indicomens Surface Water May Sedimen Drift Dep Surface Surface Surface Water-St Peld Observer Cater Table For Surface Surface Cater Table For Surface	GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri t Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) on Visible on Aerial In ained Leaves (B9) rations: er Present? Present? Ye esent? Ye esent? Ye esent? Ye esent?	ne required ne) iriverine) inagery (B7)	; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck S Other (Expl	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction Surface (C' lain in Rem hes): hes):	or (C1) es along L Iron (C4) n in Tilled 7) earks)	Soils (C6)	Secor 	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3)
Depth (incomens) Permarks: Portland Hydrimary Indicomens Surface Water May Sedimen Drift Dep Surface Surface Surface Water-St Peld Observer Cater Table For Surface Surface Cater Table For Surface	GY drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria t Deposits (B2) (Non osits (B3) (Nonriveria Soil Cracks (B6) on Visible on Aerial In ained Leaves (B9) rations: er Present? Ye esent? Ye esent? Ye	ne required ne) iriverine) inagery (B7)	; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck S Other (Expl	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction Surface (C' lain in Rem hes): hes):	or (C1) es along L Iron (C4) n in Tilled 7) earks)	Soils (C6)	Secor 	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
Depth (includes capital control of the control of t	GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri t Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) on Visible on Aerial In ained Leaves (B9) rations: er Present? Present? Ye esent? Ye esent? Ye esent? Ye esent?	ne required ne) iriverine) inagery (B7)	; check all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck S Other (Expl	(B11) t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction Surface (C' lain in Rem hes): hes):	or (C1) es along L Iron (C4) n in Tilled 7) earks)	Soils (C6)	Secor 	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)

Project/Site: 8531 High Valley Road	Project		City/Cou	nty: <u>Clearlal</u>	ke Oak/ Lake Co	unty :	Sampling Date:	4-9-2021
Applicant/Owner: Mikel Alcantar Inta	ngible Paradis	se LLC / Meili	i Liu		State:	CA S	Sampling Point:	SP-7
					ange: <u>NA</u>			
Landform (hillslope, terrace, etc.): Hills	/Mountains		Local re	lief (concave	convex none). c	onvey	Clone	(0/) 10
Subregion (LRR): <u>C - Mediterranean</u>	California	Lat: 39	.081094	(00.100.70,	Long: -122.75	7/152	Stope	. NA
Soil Map Unit Name: Millsholm-Squa	wrock-Pomo	complex 30 t	to 50 ne	cent clanes	LOTIG	17432	Datum	: IVA
Are climatic / hydrologic conditions on th	e cito tunical fo	r this time of	V	./	NVVI	classificat	ion: <u>INA</u>	
Are Vegetation Soil and	e site typical ioi	i uns ume or ye	earr yes					
Are Vegetation, Soil, or H					"Normal Circumst			No
Are Vegetation, Soil, or I					eeded, explain an			
SUMMARY OF FINDINGS - At	tach site ma	ap showing	ı sampl	ing point	locations, trai	nsects, i	important feat	tures, etc
Hydrophytic Vegetation Present?								
Hydric Soil Present?	Yes	No ✓	1	the Sample				
Wetland Hydrology Present?	Yes		w	ithin a Wetla	nd? Ye	9s	_ No <u></u> ✓	
Remarks:								
VEGETATION – Use scientific	names of pl	ants.						
		Absolute	Domina	nt Indicator	Dominance Te	st worksh	eet.	
Tree Stratum (Plot size:			Species	? Status	Number of Dom			
1					That Are OBL, F	FACW, or	FAC:0_	(A)
2.					Total Number of	f Dominan	t	
3					Species Across			(B)
4					Percent of Dom	inant Snec	rige	
Sapling/Shrub Stratum (Plot size:	,		_= Total C	Cover	That Are OBL, F	ACW, or I	FAC:0	(A/B)
1					Prevalence Ind	ov workel	nonf:	
2.				***************************************	Total % Cov			··
3.			***************************************	-			x1=	
4.			-		1		x2=	
5							x3=	
							x 4 =	
Herb Stratum (Plot size: 5x5							x 5 =	
1. Elymus caput-medusea		40	Yes	UPL	Column Totals:		(A)	(B)
			Yes	<u>UPL</u>				
							B/A =	
4				-	Hydrophytic Ve	_		
5				-	Dominance			
6					Prevalence			
7					Morphologic data in R	aı Adaptat emarks or	tions¹ (Provide sup on a separate she	porting eet)
8	***************************************	100					tic Vegetation¹ (Ex	
Woody Vine Stratum (Plot size:)	100	= Total C	over			,	. ,
1					¹ Indicators of hyd	dric soil an	d wetland hydrolo	gy must
2					be present, unles	ss disturbe	d or problematic.	
				over	Hydrophytic			
% Bare Ground in Herb Stratum	% Cov	er of Biotic Cru	uet		Vegetation Present?	Voo	No. /	
Remarks:					1 10001111	res_	No <u>✓</u>	

SOIL								Sampling Point: SP-7
Profile Descrip	otion: (Describe	to the depth ne	eded to docum	nent the ir	ndicator c	or confirm	the absence	of indicators)
Depth _	Matrix			x Features				31a.oa.o.(31)
(inches)	Color (moist)	%C	olor (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12 1	.0YR4/4	100					Sandv CL	Sandy Clay Loam w/ Pebbles
								and gravel
								and graver
								W
¹Type: C=Copo	entration D=Deal	otion DM-Dad					. 2	
Hydric Soil Ind	centration, D=Deplicators: (Applica	ble to all I RR	unless other	=Covered	or Coated	Sand Gra		cation: PL=Pore Lining, M=Matrix.
Histosol (A		ible to all LIVIV			u.)			for Problematic Hydric Soils ³ :
Histic Epipe		_	Sandy Redo Stripped Material	. ,				Auck (A9) (LRR C)
Black Histic			Loamy Muck		(F1)			fluck (A10) (LRR B) ed Vertic (F18)
Hydrogen S	Sulfide (A4)	_	Loamy Gleye	•	. ,			arent Material (TF2)
Stratified La	ayers (A5) (LRR C)	Depleted Ma					(Explain in Remarks)
	(A9) (LRR D)	_	_ Redox Dark	Surface (F	6)			,
	elow Dark Surface	(A11)	Depleted Da				_	
Inick Dark	Surface (A12)	_	_ Redox Depre		3)			of hydrophytic vegetation and
	ed Matrix (S4)	,—	_ Vernal Pools	(F9)				hydrology must be present,
Restrictive Lay							uniess di	sturbed or problematic.
Type:	()							
	s):						Hydric Soil	Dreseart Ver
Remarks:							Hyuric Soil	Present? Yes No _✓
HYDROLOGY	,							
5 N O 1-10 D WOODON CORES NOT 100								
Wetland Hydrol			-III (I I)					
	rs (minimum of on						100	dary Indicators (2 or more required)
Surface Wat	, ,	-	Salt Crust (E	,			W	ater Marks (B1) (Riverine)
Saturation (/		-	Biotic Crust		(m. r.a.)			ediment Deposits (B2) (Riverine)
	নত) s (B1) (Nonriverin		Aquatic Inve					ift Deposits (B3) (Riverine)
	eposits (B2) (Non r	· -	Hydrogen S			to a Deat		ainage Patterns (B10)
	s (B3) (Nonriveri	, –	Oxidized Rife Presence of			ving Roots		y-Season Water Table (C2)
Surface Soil		_	Recent Iron		, ,	Collo (CC)		ayfish Burrows (C8)
	isible on Aerial Im	ageny (B7)	Recent from Thin Muck S			solis (Cb)		turation Visible on Aerial Imagery (C9)
	ed Leaves (B9)	agory (Br) _	Other (Expla		,			allow Aquitard (D3)
Field Observation			Other (Exple	AIII III I I COITIE	arks)			C-Neutral Test (D5)
Surface Water Pr		No v	Depth (inch	Del.				
Water Table Pres			Depth (inch					
Saturation Prese			Depth (inch			1	od Usadnotomi	Dunnanto Van
(includes capillar	y fringe)							Present? Yes No
Describe Record	ed Data (stream g	auge, monitorin	g well, aerial ph	otos, previ	ous inspe	ctions), if	available:	
Remarks:								

Project/Site: 8531 High Valley Road Project		City/C	ounty: <u>Clearla</u>	ke Oak/ Lake County	Sampling Date:	4-9-2021
Applicant/Owner: Mikel Alcantar Intangible Paradis	e LLC / Meili			State: CA		
Investigator(s): Robert F. Perrera		Sectio	n, Township, R	ange: NA	_ , , , , , , , , , , , , , , , , , , ,	
Landform (hillslope, terrace, etc.): Hills/Mountains		Local	relief (concave	, convex, none); convex	Slone	e (%)· 10
Subregion (LRR): <u>C - Mediterranean California</u>	Lat: 39.	.08012	22	Long: -122,758743	Datum	ο (70). <u>10</u> ο ΝΔ
Soil Map Unit Name: Millsholm-Squawrock-Pomo c	omplex, 30 t	o 50 p	ercent slopes	5 NWI classif	fication: NA	1, 1471
Are climatic / hydrologic conditions on the site typical for	this time of ve	ar? Ye	es ✓ No	(If no explain in	Pomarke)	
Are Vegetation, Soil, or Hydrology	significantly	disturb		"Normal Circumstances"		No
Are Vegetation, Soil, or Hydrology				needed, explain any answ		NO
SUMMARY OF FINDINGS – Attach site ma						tures etc
Hydrophytic Vegetation Present? Yes					-, postant roa	
Hydric Soil Present? Yes			Is the Sample			
Wetland Hydrology Present? Yes			within a Wetla	nd? Yes	No	
Remarks:						
VEGETATION – Use scientific names of pla	ants					
	Absolute	Domii	nant Indicator	Dominance Test work	kehoot:	
Tree Stratum (Plot size:)	% Cover	<u>Speci</u>	ies? Status	Number of Dominant S		
1				That Are OBL, FACW,	or FAC:0_	(A)
2				Total Number of Domir	nant	
3				Species Across All Stra	ata: <u>3</u>	(B)
4				Percent of Dominant S	pecies	
Sapling/Shrub Stratum (Plot size:)				That Are OBL, FACW,	or FAC: 0	(A/B)
1				Prevalence Index wor	rksheet:	
2					Multiply b	
3				OBL species		
5.				FACW species		
5				FACIL species		
Herb Stratum (Plot size: 5x5)		- 10ta	i Covei	FACU species		
	40	Yes	S UPL	Column Totals:		
2. <u>Centurea solstitialis</u>		Yes				
3. Bromus hordeaceus					(= B/A =	
4				Hydrophytic Vegetation Dominance Test is		
5				Prevalence Index is		
7					is ⊒3.0 iptations¹ (Provide su	pporting
8.				data in Remarks	s or on a separate sh	eet)
	100		Cover	Problematic Hydro	phytic Vegetation¹ (E	xplain)
Woody Vine Stratum (Plot size:)				1,		
1				¹ Indicators of hydric soil be present, unless distu	l and wetland hydrolo urbed or problematic	ogy must
2					The second secon	
W.B				Hydrophytic Vegetation		
% Bare Ground in Herb Stratum % Cov	er of Biotic Cru	ust		Present? Yes	s No_ <u>√</u>	_
Remarks:						

Profile Des	cription: (Describe	to the den	th needed to docs	ment the indicator		4b b	Sampling	g Point:	3P-8
Depth	Matrix	r to the dep		ox Features	or comm	n the absence	of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%Type ¹	_Loc ²	Texture	Rei	marks	
0-12	10YR4/4	100	•			Sandy CL	Sandy Clay Loa		les
							and gravel		
		,							
				-					
1-Tumps 0-0								200	
Hydric Soil	Indicators: (Applic	oletion, RM=	Reduced Matrix, C	S=Covered or Coated	d Sand G		cation: PL=Pore Li	ning, M=Mat	rix.
Histoso		able to all t		*			for Problematic H	lydric Soils	' :
	pipedon (A2)		Sandy Red Stripped M				Muck (A9) (LRR C)		
Black H				cky Mineral (F1)			fluck (A10) (LRR B ed Vertic (F18))	
Hydroge	en Sulfide (A4)		Loamy Gle				arent Material (TF2)	
	d Layers (A5) (LRR	C)	Depleted M	latrix (F3)			Explain in Remark		
	uck (A9) (LRR D)		Redox Dark					,	
	d Below Dark Surfac ark Surface (A12)	e (A11)		ark Surface (F7)					
	Mucky Mineral (S1)		Redox Dep				of hydrophytic vege		
	Bleyed Matrix (S4)		Vernal Poo	IS (F9)			hydrology must be sturbed or problem		
	Layer (if present):					uniess di	isturbed of problem	iatic.	
	Edyor (ii proserit).								
Туре:						Hydric Soil		No	J
Туре:						Hydric Soil		No	✓
Type: Depth (in						Hydric Soil		No	✓
Type: Depth (in						Hydric Soil		No	✓
Type: Depth (in						Hydric Soil		No	✓
Type: Depth (in Remarks:	ches):					Hydric Soil		No	✓
Type: Depth (in Remarks: YDROLO	ches):					Hydric Soil		No	√
Type:	GY drology Indicators:			Δ			Present? Yes_		
Type: Depth (in Remarks: YDROLO Vetland Hyde	GY drology Indicators:		check all that apply			Secon	Present? Yes _	or more requi	
Type: Depth (in Remarks: YDROLO Wetland Hyd Primary Indic Surface	GY drology Indicators: eators (minimum of o		check all that apply	(B11)		<u>Secon</u>	Present? Yes	or more requi iverine)	red)
Type: Depth (in Remarks: YDROLO Wetland Hyd Primary India Surface High Wa	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2)		check all that apply Salt Crust Biotic Crus	(B11) t (B12)		Secon W Se	Present? Yes	or more requi iverine) 32) (Riverine	red)
Type: Depth (in Remarks: YDROLO Wetland Hyd Surface High Wa Saturatio	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) on (A3)	ne required;	check all that apply Salt Crust Biotic Crus Aquatic Inv	(B11) t (B12) vertebrates (B13)		Secon W Se Dr	Present? Yes	or more requi iverine) 32) (Riverine)	red)
Type: Depth (in Remarks: YDROLO Vetland Hyd Surface High Wa Saturatic Water M	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri	ne required;	check all that apply Salt Crust Biotic Crus Aquatic Inv	(B11) t (B12) vertebrates (B13) Sulfide Odor (C1)	Ning Dool	Secon W Se Dr Dr	dary Indicators (2 of ater Marks (B1) (Riediment Deposits (B3) (Riedinage Patterns (B	or more requi iverine) 32) (Riverine liverine) 10)	red)
Type: Depth (in: Remarks: YDROLO Wetland Hyd Frimary Indic Surface High Wa Saturatic Water M Sedimer	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Nor	ne required; ne) nriverine)	check all that apply Salt Crust Biotic Crus Aquatic Inv Hydrogen	(B11) it (B12) vertebrates (B13) Sulfide Odor (C1) ihizospheres along Li	ving Root	Secon	Present? Yes	or more requi iverine) 32) (Riverine) 10) able (C2)	red)
Type: Depth (in: Remarks: YDROLO Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Nor osits (B3) (Nonriver	ne required; ne) nriverine)	check all that apply Salt Crust Biotic Crust Aquatic Inv Hydrogen 3 Oxidized R	(B11) vertebrates (B13) Sulfide Odor (C1) vhizospheres along Li of Reduced Iron (C4)		Secon W Se Dr Dr Ss (C3) Cr	dary Indicators (2 of ater Marks (B1) (Riediment Deposits (B3) (Riedimage Patterns (By-Season Water Taayfish Burrows (C8	or more requi iverine) 32) (Riverine) 10) able (C2)	red)
Type: Depth (in Remarks: YDROLO Vetland Hyd Surface High Wa Saturatic Water M Sedimer Drift Dep	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Nor	ne required; ne) nriverine) ine)	check all that apply Salt Crust Biotic Crus Aquatic Inv Hydrogen 3 Oxidized R Presence c	(B11) It (B12) Vertebrates (B13) Sulfide Odor (C1) Inizospheres along Li If Reduced Iron (C4) In Reduction in Tilled S		Secon W Se Dr Cr Ss (C3) Dr Cr Sa	Present? Yes	or more requi iverine) 32) (Riverine) 10) able (C2) 5) Aerial Image	red)
Type: Depth (in Remarks: YDROLO Vetland Hydromary India	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri tt Deposits (B2) (Nor osits (B3) (Nonriver Soil Cracks (B6)	ne required; ne) nriverine) ine)	check all that apple Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence co	(B11) It (B12) Vertebrates (B13) Sulfide Odor (C1) Inizospheres along Li Of Reduced Iron (C4) In Reduction in Tilled S Surface (C7)		Secon W Se Dr Dr Ss (C3) Dr Cr Ss (S)	dary Indicators (2 of ater Marks (B1) (Right Deposits (B3) (Right Deposits (B3)) (Right	or more requi iverine) 32) (Riverine) 10) able (C2) b) Aerial Image	red)
Type: Depth (in Remarks: YDROLO Vetland Hyd Surface High Wa Saturatic Water M Sedimer Drift Dep Surface s Inundatic Water-St	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Nor osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial Ir ained Leaves (B9)	ne required; ne) nriverine) ine)	check all that apple Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence co	(B11) It (B12) Vertebrates (B13) Sulfide Odor (C1) Inizospheres along Li If Reduced Iron (C4) In Reduction in Tilled S		Secon W Se Dr Dr Ss (C3) Dr Cr Ss (S)	Present? Yes	or more requi iverine) 32) (Riverine) 10) able (C2) b) Aerial Image	red)
Type: Depth (in: Remarks: YDROLO Vetland Hyde Surface High Water M Sedimen Drift Dep Surface Inundatio Water-Stield Observier Water-Stield Observier Topic Water-Stield Observier Water-Stield Observier Depth (in) Water-Stield Observier Inundation Water-Stield Observier Water-Stield Observier Depth (in) Water-Stield Observier Depth (in) Water-Stield Observier Depth (in) Water-Stield Observier Water-Stield Observier Water-Stield Observier Water-Stield Observier Water-Stield Observier Water-Stield	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Nor osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial In ained Leaves (B9) vations:	ne required; ne) nriverine) ine) magery (B7)	check all that apply Salt Crust Biotic Crus Aquatic Inv Hydrogen 3 Oxidized R Presence complete Recent Iron Thin Muck Other (Exp	(B11) It (B12) Vertebrates (B13) Sulfide Odor (C1) Ihizospheres along Li If Reduced Iron (C4) In Reduction in Tilled S Surface (C7) Iain in Remarks)	Soils (C6)	Secon W Se Dr Dr Ss (C3) Dr Cr Ss (S)	dary Indicators (2 of ater Marks (B1) (Right Deposits (B3) (Right Deposits (B3)) (Right	or more requi iverine) 32) (Riverine) 10) able (C2) b) Aerial Image	red)
Type: Depth (in Remarks: YDROLO Vetland Hyd Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatio	GY drology Indicators: eators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Nor osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial Ir ained Leaves (B9) rations: er Present?	ne required; ne) nriverine) ine) magery (B7)	check all that apply Salt Crust Biotic Crust Aquatic Inv Hydrogen: Oxidized R Presence co Recent Iror Thin Muck Other (Exp	(B11) It (B12) Vertebrates (B13) Sulfide Odor (C1) Inizospheres along Li If Reduced Iron (C4) In Reduction in Tilled S Surface (C7) Iain in Remarks)	Soils (C6)	Secon W Se Dr Dr Ss (C3) Dr Cr Ss (S)	dary Indicators (2 of ater Marks (B1) (Right Deposits (B3) (Right Deposits (B3)) (Right	or more requi iverine) 32) (Riverine) 10) able (C2) b) Aerial Image	red)
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Remarks:

Project/Site: 8531 High Valley Road Project	City/County: Clearla	ake Oak/ Lake County Sampling Date:4-9-2021
Applicant/Owner: Mikel Alcantar Intangible Parad		State: <u>CA</u> Sampling Point: <u>SP-9</u>
Investigator(s): Robert F. Perrera		Range: NA
Landform (hillslope, terrace, etc.): Hills/Mountains	Local relief (concave	e, convex, none): <u>convex</u> Slope (%): <u>5</u>
Subregion (LRR): <u>C - Mediterranean California</u>	Lat: 39.0080765	Long: -122.756719 Datum: NA
Soil Map Unit Name: Millsholm-Squawrock-Pomo	complex, 30 to 50 percent slope	NWI classification: NA
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		e "Normal Circumstances" present? Yes _ ✓ No
Are Vegetation, Soil, or Hydrology		needed, explain any answers in Remarks.)
		locations, transects, important features, etc
	No	
Hydric Soil Present? Yes	No V	
Wetland Hydrology Present? Yes	No✓ within a Weti	and? Yes No
Remarks:		
VEGETATION – Use scientific names of	plants.	
	Absolute Dominant Indicator	
Tree Stratum (Plot size:)	<u> % Cover Species? Status</u>	- Number of Dominant Species
1		That Are OBL, FACW, or FAC:1 (A)
3.		Total Number of Dominant Species Across All Strata:1(B)
4		
Sapling/Shrub Stratum (Plot size:)	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:100 (A/B)
1		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
4		FACW species x 2 =
5		FAC species x 3 =
Herb Stratum (Plot size: 5x5)	= Total Cover	FACU species x 4 =
1. Juncus sp possible patens	100 Yes FACW	UPL species x 5 =
2.		Column Totals: (A) (B)
3		Prevalence Index = B/A =
4		Hydrophytic Vegetation Indicators:
5		✓ Dominance Test is >50%
6		Prevalence Index is ≤3.0 ¹
7		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8		Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	100 = Total Cover	
1		¹ Indicators of hydric soil and wetland hydrology must
2		be present, unless disturbed or problematic.
	= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum % C	over of Biotic Crust	Vegetation Present? Yes No
Remarks:		
Juncus patch appears to be water stress	sed	
parameter stress		

OIL						Sampling Point:	SP-9
rotile Des	cription: (Describe	to the depth	needed to document the indicator or	r confirm the	absence of indic	ators.)	
Depth	Matrix		Redox Features			·	
(inches)	Color (moist)	%	Color (moist) % Type ¹	Loc ² T	exture	Remarks	···
0-12	10YR4/4			Sar	ndy L		
						· · · · · · · · · · · · · · · · · · ·	
ydric Scil	oncentration, D=Del	oletion, RM=Re	duced Matrix, CS=Covered or Coated	Sand Grains.	² Location: P	L=Pore Lining, M=	Matrix.
		able to all LR	Rs, unless otherwise noted.)	In	dicators for Prob	lematic Hydric S	oils³:
Histosol	` '		Sandy Redox (S5)		_ 1 cm Muck (A9)		
_ Histic Ep _ Black Hi	pipedon (A2)		Stripped Matrix (S6)	_	_ 2 cm Muck (A10)) (LRR B)	
	n Sulfide (A4)		Loamy Mucky Mineral (F1)	_	_ Reduced Vertic		
	Layers (A5) (LRR	C)	Loamy Gleyed Matrix (F2)		_ Red Parent Mat	erial (TF2)	
1 cm Mu	ck (A9) (LRR D)	3)	Depleted Matrix (F3) Redox Dark Surface (F6)	_	Other (Explain in	n Remarks)	
	Below Dark Surfac	e (A11)	Depleted Dark Surface (F7)				
	rk Surface (A12)	- (,	Redox Depressions (F8)	3 _{lr}	ndicators of hydrop	bytic vegetation a	m al
	lucky Mineral (S1)		Vernal Pools (F9)	11	wetland hydrology	must be present	na
_ Sandy G	leyed Matrix (S4)				unless disturbed of	r nrohlematic	
						o problematio.	
estrictive L	ayer (if present):						
estrictive L Type:	ayer (if present):		-				
Туре:							No 🗸
Туре:			-		dric Soil Present?		No <u>√</u>
Type: Depth (inc			-				No <u>√</u>
Type: Depth (inception of the content of the	hes):						No <u>√</u>
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Type: Depth (incommarks: DROLOGETIAND Hydicalized Line (incomparent line) DROLOGETIAND Hydicalized Line (incomparent line)	ches): GY rology Indicators: ators (minimum of o				dric Soil Present?		
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