WETLAND DELINEATION REPORT SOCIETY TURN HIGHWAY 145 IMPROVEMENT PROJECT

SAN MIGUEL COUNTY, COLORADO

Originally submitted: December 2019 Reviewed: July 2020

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1.0 Executive Summary

This report was prepared consistent with the "1987 Corps of Engineers Wetland Delineation Manual" and "Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys and Coast Region (Version 2.0)" to update previous delineation efforts approved in 2015 (SPK-2008-01513) and to identify and characterize wetlands and other waters of the U.S. within a new study area that is a narrow strip of land between State Highway 145 and the Society Turn Parcel in San Miguel County, Colorado; most of the new study area is highway embankment on the south side of State Highway 145 that is disturbed upland. This delineation can be used to address Section 404 permitting for needed improvements to the highway as part of development of the Society Turn Parcel. This report was prepared consistent with the "Minimum Standards for Acceptance of Aquatic Resources Delineation Reports" (U.S. Army Corps of Engineers, January 2016).

In summary, the results of this updated delineation are similar to the 2015 delineation (SPK-2008-01513). The parcel is relatively dry and the only wetlands on it are located along the San Miguel River and Remine Creek.

The results of the supplemental delineation within the new study area found that a band of scrubshrub wetlands dominated by willows (*Salix* spp) exists along Remine Creek in the study area that totals 0.02 acre. There is a second clump of old willows, many of which are dead, to the east in the study area which does not meet the criteria for a wetland.

2.0 Introduction/Purpose

The purpose of this report is to update previous delineation efforts approved in 2015 (SPK-2008-01513) and to identify, delineate and describe the wetlands and other aquatic features in a study area within the easement for State Highway 145 immediately north of what is referred to as the Society Turn Parcel (Parcel). The Parcel is owned by San Miguel Valley Corporation (SMVC) who is going through the planning approval process with San Miguel County for mixed use development of the Parcel. Improvements to State Highway 145 are needed for development of the Parcel.

2.1 Contact Information

Property owner:

Colorado Department of Transportation

Agent:	
SGM	

c/o Alexander Nees Senior Ecologist 555 Rivergate Lane, Suite B4-82 Durango, CO 81301

Phone: 970-384-9004 Email: alexn@sgm-inc.com

3.0 Study Area Location

The Society Turn Parcel is located to the southwest of the intersection of SH 145 and 145 Spur. The San Miguel River flows through the eastern portion of the parcel, and Remine Creek flows through the western portion of the parcel. The parcel includes upland pasture on both sides of the river and bottom land along the river. An irrigation ditch off Remine Creek flows under SH 145 and has been used to irrigate a portion of this parcel.

The new study area consists of a strip of land between State Highway 145 and the northern boundary of the Parcel, to the east of the intersection of State Highway 145 and the 145 spur to Telluride at what is referred to as Society Turn (See Figure 1). The study area is relatively long and narrow and consists of approximately 2.1 acres. The study area is located in the NE ¼ of Section 32, and the NW ¼ of Section 33, T. 43 N., R. 9 W. of the NMPM.

The study area is located within the San Miguel River basin, which flows into the Dolores River and then the Colorado River. Remine Creek, which is a relatively small perennial drainage, flows under the highway and through the study area towards its west end.

To reach the study area, take State Highway 145 from Highway 62 near Placerville east towards Telluride for 12.0 miles. The study area abuts the highway to the south. It is possible to pull into the dirt road to the south which goes to the Town of Telluride's wastewater treatment plant and park at the beginning of this road off the highway.

4.0 Description of Study Area – Existing Conditions

The new study area consists mostly of the southern embankment of State Highway 145. This embankment is a relatively steep, south-facing slope. Most of the area is disturbed upland. Willows and other hydrophytes occur along Remine Creek in the study area. Another area of willows and other hydrophytes also occurs to the east along the embankment. Review of aerial photographs from Google Earth indicates that these willows have existed there since at least from the late 1990s.



Most of the study area is tributary to the San Miguel River, which is 250 to 500 feet south of the study area. Remine Creek flows in a very steep canyon within the study area to the San Miguel River confluence, approximately 330 feet to the south. The Remine Creek channel is incised and consists of boulders and large cobbles with very few hydrophytes, aside from the patchy willow cover. The width of the ordinary high-water mark of the creek ranges from is 3 to 8 feet. An estimated 3 cubic-feet-per-second of flow was observed in Remine Creek on the day of the fieldwork.

Figure 2 shows the National Wetland Inventory (NWI) mapping for the study area and adjacent area. Remine Creek is shown as Riverine habitat in the NWI mapping.

Figure 3 shows the soils mapped within the study area and adjacent area. According to the Natural Resources Conservation Service (NRCS) Web Soil Survey

(https://websoilsurvey.sc.egov.usda.gov), the soil in the study area is Cryoborolls-Cryaquolls Association. Cryoborolls are moderately well drained soils with generally gravelly texture. They are not subject to flooding and have a depth to the water table of greater than 80 inches. This soil is not listed as a hydric soil.

Cryaquolls are poorly drained soils with a generally silt loam texture. They are occasionally subject to flooding and have a water table of 18-36 inches below the surface. This soil is not a hydric soil.

It appears that the new study area also has imported material, including road base, since it is within the constructed highway embankment.

5.0 Methods

This wetland delineation was completed by Dave Mehan of SGM. Mr. Mehan is a Professional Wetland Scientist with over 30 years of experience with wetland delineations and is very familiar with the occurrence and characteristics of wetlands in the Rocky Mountain Region. Mr. Mehan completed wetland delineations for the adjacent Society Turn Parcel in 2008 and 2014, both which were confirmed by the Corps, and a Preliminary Jurisdictional Determination was issued. The report was completed and submitted by Curtis Patillo of SGM in 2019, and subsequently reviewed by Alexander Nees, a Certified Wetland Delineator with SGM in 2020.

Wetlands and other waters of the U.S. were identified and delineated using the methods and criteria in the "1987 Corps of Engineers Wetland Delineation Manual" and the "Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys and Coast Region"

(Corps, 2010) (Manual), which is the manual applicable to the study area. A combination of field work and review of existing information was completed. Existing information reviewed included:

- NRCS Web Soil Survey,
- National Wetland Inventory Mapping, and
- Aerial photographs (from Google Earth).

Field work was completed on April 25, 2019 and included observations of vegetation communities, soils and hydrologic conditions in the study area. The occurrence of plant species in wetlands was determined using the 2016 "Regional Wetland Plant List for the Western Mountains, Valleys & Coast Region". In general, the "dominance test" as described in the Manual was used to determine dominance of plant species.

Soils were observed in soil pits dug in the study area to evaluate the presence of hydric soil indicators. Soil colors were determined using Munsell Soil Color charts. The study area was observed for the presence of any wetland hydrologic indicators, as described in "Field Indicators of Hydric Soils in the United States".

Field observations were recorded on Wetland Determination Data Forms (WDDFs) and representative photographs were taken. The locations of features and WDDFs were recorded with a survey-grade GPS.

6.0 Results

The results of this updated delineation are very consistent with the 2015 delineation across the Society Turn Parcel.

Figure 4 shows the results of the supplemental delineation for the new study area. WDDFs are included in Appendix A, and representative photographs are included in Appendix B. Please see Table 1, below for a list of plant species in the study area and their wetland indicator status. Table 2 summarizes the wetlands present.

6.1 Remine Creek Wetlands

The channel of Remine Creek in the study area is an unconsolidated, perennial channel approximately 0.003 acre in size. The channel is very steep and well armored by cobbles and boulders. The channel continues up- and down-gradient of the study area.



A band of apparently jurisdictional wetlands occurs on both banks of Remine Creek in the study area. This wetland is dominated by willows (*Salix spp.*) and also includes cow parsnip (*Heracleum maximum*), bluegrass (*Poa pratensis*) and dandelion (*Taraxicum officinale*) in some locations. This wetland is shown in photographs 3 through 6 and characterized in WDDF 4. The soil in this wetland is a gravelly loam and could include some road base from the highway to the north. Redoximorphic features were not found in the soil, possibly because the soil was saturated or because of the coarse soil textures; but presence of hydric soil was assumed. The water source for this wetland is water in Remine Creek and the wetland boundary is relatively close to the creek. The size of this wetland is 0.02 acre within the study area. It should be noted that this wetland continues along Remine Creek downstream of the study area to the San Miguel River; and it also extends along the creek upstream of the highway.

The functions provided by the wetlands along Remine Creek are relatively limited due to the relatively small size of the wetlands. The function provided to the highest degree is bank stability.

6.2 Non-Wetland Area Adjacent to SH-145

An area of depauperate willows occurs immediately adjacent to the highway embankment within the study area to the east (Figure 4). This area, which characterized by WDDFs 6 and 7 and shown in photograph 8 and 9, contains mostly, old dead or dying willows (*Salix* spp) which may be relics from years ago. Most of the understory is un-vegetated and includes dead willow branches as litter (photographs 10 and 11). The soil is a gravelling loam that lacks any hydric soil indicators, and there are no apparent water sources, including seeps or springs under the embankment; this area did not meet the hydrology or soils criteria for a potential wetland.

The remainder of the study area is uplands that includes disturbance from the highway in the form of road base and litter from passing vehicles. Photograph 7 shows the western part of the study area; photograph 12 shows the study area looking east from near WDDF 2. Vegetation includes pasture grasses, including smooth brome and bluegrass, and areas with old, relic willows and narrowleaf cottonwoods (*Populus angustifolia*), and upland weeds, as characterized in WDDFs 1, 2, 3 and 5.

7.0 References

• "A Field Guide to the Identification of the Ordinary High Water Mark in the Arid West Region of the Western United States" (Corps 2008).

- "A Guide to Ordinary High Water Mark Delineation for Non-Perennial Streams...." (Corps 2014).
- "Field Indicators of Hydric Soils in the United States (Version 8.1)" (USDA and NRCS 2017)
- Google Earth.
- Munsell Soil Color Charts. Kollmorgen Instruments Corp.
- National Wetland Plant List 2016.
- "Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys and Coast Region (Version 2.0)" (Corps 2010).
- NRCS WebSoil Survey.
- "Weeds of the West", T.D. Whitson, et al, 1991. Western Society of Weed Science.

Tables

Table 1. List of Plant Species in Supplemental Study AreaHighway 145 Improvement ProjectSan Miguel County, Colorado

Common Name	Scientific Name	Indicator Status (Mountai n West)	Stratu m
Bluegrass	Poa pratensis	FAC	Herb
Big sagebrush	Artemisia tridentata	FACU	Shrub
Cow parsnip	Heracleum maximum	FAC	Herb
Dandelion	Taraxicum officinale	FACU	Herb
Golden currant	Ribes aureum	FAC	Shrub
Common juniper	Juniperus communis	UPL	Shrub
Rubber rabbitbrush	Ericameria nauseosa	UPL	Shrub
Slender wheatgrass	Elymus trachycaulus	FAC	Herb
Smooth brome	Bromus inermis	UPL	Herb
Willows	Salix spp	FAC	Shrub
Wood rose	Rosa woodsii	FACU	Shrub
Yarrow	Achillea millefolium	FACU	Herb

Highlighted cells indicate dominant species.

Table 2. Description of Wetlands and Aquatic Resources⁽¹⁾Highway 145 Improvement Project, Supplemental Study AreaSan Miguel County, Colorado

Label	Type ⁽²⁾	Latitude/ Longitude	Acres	Notes
Wetland 1	PSS1C	37° 56' 59.1"N 107° 52' 40.4"W	0.02	Willow wetland along Remine Creek
Channel	R3UB3	37° 56' 59.1"N 107° 52' 40.4"W	0.003	Approx. 40 linear-feet of channel
Total Wetla Study Area	nds and Aquati	ic Resources in	0.023	

Footnotes:

1) See Figure 4 for locations.

2) Per Cowardin et al, 1979.

Figures Supplemental Study Area

Figure 1. Vicinity Map Figure 2. National Wetland Inventory Mapping Figure 3. Soils Mapping Figure 4. Wetland Delineation









Figure 3. Soils Mapping Society Turn Highway Improvement Project

The information displayed above is intended for general planning purposes. Refer to legal documentation/data sources for descriptions/locations.



Appendix A

Supplemental Wetland Determination Data Forms



Appendix A - WDDF Data Forms

WETLAND DETERMINATION I	DATA FORM – '	Western Mou	ntains, Valleys, and Coast Region
Project/Site: SOCISTY TILCN POLC.	s 1-Road city	County SAN 1	MIGUEL Sampling Date: 4/05/19
Applicant/Ourpar:		ounty. <u>0700 1</u>	State: C Sampling Date:
Applicant/Owner. <u>Applicant/Owner</u>	0		
Investigator(s): INE HIS IV	Section	on, Township, Ra	nge:
Landform (hillslope, terrace, etc.): _ シベんて の K	Loca	l relief (concaye, 1	convex, none): Slope (%):
Subregion (LRR):	Lat:		_ Long: Datum:
Soil Map Unit Name: <u>CryuLorolls- Cryo</u>	quell5	·····	NWI classification:
Are climatic / hydrologic conditions on the site typical for	' this time of year? ገ	$r_{es}V_No_$	(If no, explain in Remarks.)
Are Vegetation . Soil . or Hydrology	significantly distur	bed? Are '	"Normal Circumstances" present? Yes V No
Are Vegetation Soil or Hydrology	naturally problem	atic? (If ne	eeded, explain any answers in Remarks)
SUMMARY OF FINDINGS – Attach site ma	 an showing san	nnling noint l	ocations transects important features etc.
Hydrophytic Vogetation Propert2	No. 1		
Hydrophylic Vegetation Present?		Is the Sampled	Area
Wetland Hydrology Present? Yes		within a Wetla	nd? Yes No
Remarks: $f_{ab} > d_{ab} < 0$	ali colle		
TN OLD NICO OP	18/112 VOIT	W W 000 0 5.	
VEGETATION – Use scientific names of pl	ants.		
	Absolute Dor	ninant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	<u>% Cover</u> Spe	cies? <u>Status</u>	Number of Dominant Species
1. Populn 5 ArGustitalia	<u> </u>	<u>FACW</u>	That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4	······ ····· ·····		Percent of Dominant Species
	<u>20</u> =To	otal Cover	That Are OBL, FACW, or FAC: $33.7.$ (A/B)
Sapling/Shrub Stratum (Plot size:)			Prevalence Index worksheet:
1			Total % Cover of:Multiply by:
2.			OBL species x 1 =
3			FACW species x 2 =
4			FAC species x 3 =
5			FACU species x 4 =
Herb Stratum (Plot size:	= To	otal Cover	UPL species x 5 =
1 Branna Chasimie	Un I	/ UPL	Column Totals: (A) (B)
2 octills mills Polition		FACM	
3 Pad Diatensis	10	FAC	Prevalence Index = B/A =
S. TON MARTUNAS	· · · · · · · · · · · · · · · · ·		Hydrophytic vegetation indicators:
4	· ·		1 - Rapid Test for Hydrophytic Vegetation
3			2 - Dominance Test is >50%
o			3 - Prevalence Index is ≤3.0'
0	L L	·····	4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
0			5 - Wetland Non-Vascular Plants ¹
۵ ۱۵			Problematic Hydrophylic Vegetation ¹ (Explain)
IU			¹ Indicators of hydric soil and wetland bydrology must
_ · · · · · · · · · · · · · · · · · · ·	<u> </u>	tal Cauer	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)	<u>///</u> =10	tar Cover	
1		/ * /19	Hydronhytic
2	•		Vegetation
litte -		tal Cover	Present? Yes No _/
% Bare Ground in Herb Stratum] 0	= 10		
Remarks:			

-021

SOIL

Sampling Point:

Profile Desc	cription: (Describ	e to the dep	th needed to docum	nent the indicator	or confirm	n the absence	of indicators.)	
Depth	Matrix		Redo	x Features				
<u>(inches)</u>	Color (moist)	<u>~</u>	Color (moist)	<u>% Type'</u>	Loc	<u>Texture</u>	Remark	
0~10	10Y~ 72,	<u>n 100</u>			·	108m	BONY CODIES	- UN CWSNA
	<u> </u>			· ·			}	
		~~			·			
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				·			•	
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						·		
¹ Type: C=C	oncentration, D=De	pletion, RM	Reduced Matrix, CS	S=Covered or Coat	ed Sand Gr	rains. ² Lo	cation: PL=Pore Lining	, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to all	LRRs, unless other	wise noted.)		Indicato	ors for Problematic Hy	dric Soils ³ :
Histosol	I (A1)		Sandy Redox (S	35)		2 cr	n Muck (A10)	
Histic El	pipedon (A2)		Stripped Matrix	(S6)		Rec	I Parent Material (TF2)	
Black H	ISTIC (A3) on Sulfido (A4)		Loamy Mucky N	Aineral (F1) (excep	t MLRA 1)	Ver	y Shallow Dark Surface	(1F12)
nyuroge Denleter	d Below Dark Surfa	ce (A11)	Loany Gleyed I	Mauix (F2) 7 (F3)		Oth	er (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Dark Su	face (F6)		³ Indicate	ors of hydrophytic yeae	lation and
Sandy N	Aucky Mineral (S1)		Depleted Dark \$	Surface (F7)		wetla	and hydrology must be j	present,
Sandy G	Gleyed Matrix (S4)		Redox Depress	ions (F8)		unies	ss disturbed or problem	atic.
Restrictive	Layer (if present):							
Туре:				,				
Depth (in	ches):					Hydric Soil	Present? Yes	No
Remarks:			to a ton for	-). <i>(</i>		- I		
HYDROLO Wetland Hy	IGY drology Indicators		d: aback all that apple	.0			ndon i Indiantara (2) or m	
<u>Prindry India</u>	Water (A1)	one required	A CHECK all that apply	y) inad Laavaa (BO) (waant	<u>Seco</u>	Neter Steined Leaves (/	
Surface	valer (A1)			1 2 4A and 4B)	axceht	v	AA and AB)	59) (IVILKA 1, 2,
	on (A3)		Salt Crust	(R11)		Г	4A, allu 4D))rainaga Patterns (B10)	
Water M	farks (B1)		Aquatic Inv	vertebrates (B13)		L)ry-Season Water Table	e (C2)
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide Odor (C1)			Saturation Visible on Ae	rial Imagery (C9)
Drift Dep	posits (B3)		Oxidized F	Rhizospheres along	Living Roo	ots (C3) C	Seomorphic Position (D	2)
Algal Ma	at or Crust (B4)		Presence (of Reduced Iron (C	4)		Shallow Aquitard (D3)	
Iron Dep	oosits (B5)		Recent Iro	n Reduction in Tille	ed Soils (C6	5) _ F	AC-Neutral Test (D5)	
Surface	Soil Cracks (B6)		Stunted or	Stressed Plants (I	01) (LRR A)) F	aised Ant Mounds (D6) (LRR A)
Inundati	on Visible on Aerial	Imagery (B	7) Other (Exp	olain in Remarks)		F	rost-Heave Hummocks	(D7)
Sparsely	y Vegetated Conca	ve Surface (B8)					
Field Obser	vations:							
Surface Wat	er Present?	Yes	No $\frac{v}{1}$ Depth (ind	ches):	—			/
Water Table	Present?	Yes	No <u>/</u> Depth (ind	ches):	_			
Saturation P	resent?	Yes	No _// Depth (ind	ches):	Wetla	and Hydrolog	y Present? Yes	No
Describe Re	piliary minge) corded Data (streat	n gauge, me	nitoring well, aerial r	photos, previous in	spections)	if available:		
			ules succe	S. ON LOAD	halle			
Remarks:		NO U	Ator source	-1 -1 -1-0140	0.010		1	
Remarks:		NO U	ATOR SOWIC		0.010	•	:	
Remarks:		NO U	Ator source	-, -, -, ,,,,,,	0.011	v , , , , , , , , , , , , , , , , , , ,	!	
Remarks:		NO U	ATOR SOUT		0.0101	•	:	

WETLAND DETERMINATION DATA	FORM – West	ern Mountains, '	Valleys, and Coast	Region	
Project/Site: SociEty TURN Porce 1-1	City/County:	JON MIGU	el Sampling	Date: 42	19
Applicant/Owner: <u>SMVc</u>		Sta	ate: <u>CO</u> Sampling	Point:	
Investigator(s): MEHAN	Section, To	vnship, Range:			
Landform (pillstope, terrace, etc.): 1000 bouk	Local relief	concave, convex, no	one):	Slope (%):	20
Subregion (LRR): La	at:	Long:		_ Datum:	
Soil Map Unit Name: Croyoborolls- CryAquoll	7	· · ·	_ NWI classification:		
Are climatic / hydrologic conditions on the site typical for this tim	e of year? Yes	No (If	no, explain in Remarks.)	/	
Are Vegetation, Soil, or Hydrology signifi	icantly disturbed?	Are "Normal C	ircumstances" present?	Yes _ 🖊 N	0
Are Vegetation, Soil, or Hydrology natura	ally problematic?	(If needed, exp	lain any answers in Rem	arks.)	
SUMMARY OF FINDINGS – Attach site map sho	wing sampling	point location	s, transects, impor	tant feature	s, etc.
Hydrophytic Vegetation Present? Yes Vo Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	Is the with	Sampled Area n a Wetland?	Yes No		
Remarks:					
VEGETATION – Use scientific names of plants.			<u> </u>		
Ab	solute Dominant	Indicator Domina	ince Test worksheet:		
Inee Stratum (Plot size) 70 1		Number That Are	of Dominant Species OBL, FACW, or FAC:	3	(A)
2		Total Nu	umber of Dominant	5	(B)
4.	· · · · · ·		Autos Al Suala.		(0)
	= Total Co	rer Percent That Are	of Dominant Species e OBL, FACW, or FAC;	60	(A/B)

4 = Total Cover <u>Sapling/Strub Stratum</u> (Plot size:) 1. $Salix S_{OD}$ = Total Cover 2. $Rib \xi S$ $a_{kl} \xi h m$ $3 O$ $V \ge 1$ 3. $ROSA W OO d S_1$ IO F_{O} 4 5 Under Charles (Plot size:)	Percent of Dominant Species That Are OBL, FACW, or FAC:60(A/B)FacPrevalence Index worksheet:60(A/B)COBL species $x 1 =$ $x 1 =$ FACW species $x 2 =$ $x 2 =$ FAC species $x 3 =$ $x 3 =$ FAC species $x 4 =$ $x 4 =$
$\frac{\text{Sapling/Shrub Stratum}}{1. Sapling/Shrub Stratum} (Plot size:) = Total Cover 1. Sapling Shrub Stratum} (Plot size:) = 50 V \geq 1$ 2. $\frac{Rib \mathcal{E}S}{3. \mathcal{R}OSA W \ 00 d Si} = 1$ 4 = 5 = 5 = 50	That Are OBL, FACW, or FAC: \underline{bU} (A/B)FACPrevalence Index worksheet: \underline{C} $\underline{Total \% Cover of:}$ Multiply by:OBL species $x 1 = $ FACW species $x 2 = $ FAC species $x 3 = $ $\underline{40}/\underline{k}$ FACU species $x 4 = $
$\frac{Sapinty Stratum}{1. Salis Spp} \qquad \frac{50 V \geq 1}{2. R! \delta \epsilon s} \qquad \frac{50 V \geq 1}{2. R! \delta \epsilon s} \qquad \frac{50 V \geq 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 V \approx 1}{2. R! \delta \epsilon s} \qquad \frac{20 R! \delta \epsilon s} $	FACPrevalence Index worksheet:CTotal % Cover of:Multiply by:OBL species $x 1 =$ FACW species $x 2 =$ FAC species $x 3 =$ FACU species $x 4 =$
$\frac{1}{2} \frac{1}{R_{1}} \frac{1}{2} \frac{1}{2} \frac{1}{R_{1}} \frac{1}{2} \frac{1}{R_{1}} \frac{1}{2} \frac{1}{R_{1}} \frac{1}{2} \frac{1}{R_{1}} \frac{1}$	CTotal % Cover of:Multiply by:OBL species $x 1 =$ FACW species $x 2 =$ FAC species $x 3 =$ FAC species $x 4 =$
2. <u>RISES ALCOM</u> 3. <u>ROSA Wood Sis</u> 4 5 BO = Total Cover	C.OBL species $x 1 =$ FACW species $x 2 =$ FAC species $x 3 =$ $40/1c$ FACU speciesFACU species $x 4 =$
3. <u>KOSA (1000 d S1)</u> <u>YO</u> <u>FR</u> 4.	FACW species $x 2 =$ FAC species $x 3 =$ $40/1c$ FACU speciesFACU species $x 4 =$
4 5 Use Obstance (Distribution) = Total Cover	FAC species $x 3 =$ $40/1c$ FACU species x 4 =
5 = Total Cover	40/1/c FACU species x 4 =
Literte Obertaure (Olisteriae)	
Hero Stratum (Plot Size:	UPL species x 5 =
1. POA protentis	A C Column Totals: (A) (B)
2. Bromus Ingemis 10 V un	Prevalence Index = B/A =
3. Achilles Mille Folling 10 1/ 17	ACM Hydrophytic Vegetation Indicators:
4	1 - Rapid Test for Hydrophytic Vegetation
5	2 - Dominance Test is >50%
6	3 - Prevalence Index is ≤3.0 ¹
7	4 - Morphological Adaptations ¹ (Provide supporting
8	data in Remarks or on a separate sneety
9	
10	Problematic Hydrophytic Vegetation' (Explain)
11	Indicators of hydric soil and wetland hydrology must
<u>Woody Vine Stratum</u> (Plot size:)	
1,	Hydrophytic
2.	Vegetation
% Bare Ground in Herb Stratum @ = Total Cover	Present? Yes No
Remarks:	
P. PLATENSIS IS A poor WETLAND INDIES	ton

US Army Corps of Engineers

L

SOIL

Sampling Point: ____

Profile Des	cription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirm	the absence o	f indicators.)
Depth (inchor)	Matrix	0/	Redo	x Feature	S Tunol		Toxtura	Pomorko
$(1) = I \cap I$	(スレンジー)			70				
0-10	IUYN VIZ				•	<u> </u>	<u>1000 -</u>	
·	۰ ــــــــــــــــــــــــــــــــــــ			·	·			
	<u> </u>			·	·•	····	. <u> </u>	
	- <u>.</u>		· · · · · · · · · · · · · · · · · · ·					
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	· ·					. <u> </u>		
				• •	• • • • • • • • • • • • • • • • • • • •			·
¹ Type: C=C	Concentration, D=De	pletion, RM=	Reduced Matrix, CS	S=Covere	d or Coate	ed Sand Gr	ains. ² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to all	LRRs, unless other	wise not	ed.}	Υ.	Indicators	s for Problematic Hydric Solls":
Histoso	ol (A1) Sainadan (A2)		Sandy Redox (\$	S5) (CC)			2 cm	Muck (A10) Jerent Meteriel (1752)
Flistic E	pipedon (A2)		Supped Matrix	(SD) /inoral /E	i) (overn	6 MI DA 4)	Red F	rarent Materiai (TF2) Shellow Dark Surface (TE12)
Hvdrog	en Sulfide (A4)		Loamy Mucky n	Matrix (F2) (evceb		Other	(Explain in Remarks)
Deplete	ed Below Dark Surfa	ce (A11)	Depleted Matrix	(F3)	'			
Thick D	ark Surface (A12)	, ,	Redox Dark Su	rface (F6)			³ Indicators	of hydrophytic vegetation and
Sandy I	Mucky Mineral (S1)		Depleted Dark	Surface (F	-7)		wetland	d hydrology must be present,
Sandy	Gleyed Matrix (S4)		Redox Depress	ions (F8)			unless	disturbed or problematic.
Restrictive	Layer (if present):							
Туре:								
Depth (ir	nches):						Hydric Soil F	resent? Yes No
Remarks:			Kry Rock	1	redo	1 fran	LINCEE	
		,		1	1000	x 154	· · · · ·	
HYDROLO	DGY							
Wetland Hy	drology indicators	:						
Primary Ind	icators (minimum of	one required	i; check all that appl	y)			Second	ary Indicators (2 or more required)
Surface	e Water (A1)		Water-Sta	ined Leav	es (B9) (e	except	Wa	iter-Stained Leaves (B9) (MLRA 1, 2,
High W	/ater Table (A2)		MLRA	1, 2, 4A, a	and 4B)	•		4A, and 4B)
Saturat	ion (A3)		Salt Crust	(B11)			Dra	ainage Patterns (B10)
Water I	Marks (B1)		Aquatic In	vertebrate	es (B13)		Dry	/-Season Water Table (C2)
Sedime	ent Deposits (B2)		Hydrogen	Sulfide O	dor (C1)		Sa	turation Visible on Aerial Imagery (C9)
Drift De	eposits (B3)		Oxidized F	Rhizosphe	res along	Living Roc	ots (C3) 🔡 Ge	omorphic Position (D2)
Algal M	tat or Crust (B4)		Presence	of Reduce	ed Iron (C	4)	Sh	allow Aquitard (D3)
Iron De	eposits (B5)		Recent Iro	n Reducti	ion in Tille	d Soils (C6	5) FA	C-Neutral Test (D5)
Surface	e Soil Cracks (B6)		Stunted or	Stressed	Plants (D	01) (LRR A) Ra	ised Ant Mounds (D6) (LRR A)
Inundat	tion Visible on Aerial	Imagery (B	7) Other (Exp	olain in Re	emarks)		Fro	ost-Heave Hummocks (D7)
Sparse	ly Vegetated Concav	/e Surface (B8)					
Fleid Obse	rvations:		11					
Surface Wa	ater Present?	Yes	No // Depth (in	ches):				
Water Table	e Present?	Yes	No 🖌 Depth (in	ches):		_		
Saturation I	Present?	Yes	No Depth (in	ches):		Weti	and Hydrology	Present? Yes No
Describe Re	ecorded Data (stream	n gauge, mi	nitoring well, aerial	photos, p	evious in:	spections)	if available:	
	(ou ou	- <u></u> ,	· · · · · · · · · · · · · · · · · · ·	, . Fa				
Remarks:								
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WETLAND DETERMINATION DATA FORI	M – Western Mou	ntains, Valleys, and Co	ast Region	
Project/site: JociEty TURN Porcel-Road	City/County: 5AN 1	Miguel sam	npling Date: 4/15	/19
Applicantowner:		$\underline{}$ State: $\underline{}$ State	iping Point: <u> </u>	
Investigator(s):	Section, Township, Rai	nge:		<u> </u>
Landform (hillslope) terrace, etc.): UEEK 60NF	Local relief (concave, o	convex, none):	Slope (%):	<u> </u>
Subregion (LRR): Lat:		_ Long:	Datum:	
Soil Map Unit Name: Cryoborolls-Cryogu olls		NWI classification	:	
Are climatic / hydrologic conditions on the site typical for this time of ye	ar? Yes 📈 No 🔤	(If no, explain in Remar	ks.) /	
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "	Normal Circumstances" prese	nt? Yes $\underline{\mathcal{V}}$ N	0
Are Vegetation, Soil, or Hydrology naturally pro	blematic? (If ne	eded, explain any answers in l	Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	sampling point lo	ocations, transects, im	portant feature	s, etc.
Hydrophytic Vegetation Present? Yes V No			/	
Hydric Soil Present? Yes No	Is the Sampled	Area	No	
Wetland Hydrology Present? Yes V No	within a wettan	103		
Remarks: Located of bulk of	REMINE C'E	E.K.		
			· ·	
VEGETATION – Use scientific names of plants.	i			
Absolute	Dominant Indicator	Dominance Test workshee	·t:	
<u>Tree Stratum</u> (Plot size:) <u>% Cover</u>	<u>Species?</u> <u>Status</u>	Number of Dominant Specie	s 7	
1	· ·	That Are OBL, FAGW, or FA	.C:	(A)
2	·	Total Number of Dominant	~	
3	·	Species Across All Strata:	S	(B)
A	_= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FA	s. <u>671</u>	(A/B)
	. . .	Brovalanaa Index worksho	ot:	

J			·	Species Across All Strata:		(B)
4			 over	Percent of Dominant Speci That Are OBL, FACW, or F	es AC: 60%	(A/B)
Sapling/Shrub Stratum (Plot size:)	10	. /	20 F. M.C.	Prevalence Index worksh	eet:	,
1. Unit 5pp				Total % Cover of:	Multiply by:	
2. RUNA WOODSII			MANN	OBL species	x 1 =	
3				FACW species	x2=	
4			·	FAC species	x3=	
5	20		15/1	FACU species	x4=	
Herb Stratum (Plot size:)	<u> </u>	_ = Total C	over 🧭 6	UPL species	x5 ≕	_
1. POA PLATENSIS	80	V	FNC	Column Totals:	(A)	(B)
2. Asmaleum Maximum	10		FAC	Prevalence Index = E	3/A = <u>· · · ·</u>	
3	_,			Hydrophytic Vegetation I	ndicators:	
4			• •	1 - Rapid Test for Hydi	rophytic Vegetation	
5			· <u>· · · · · · · · · · · · · · · · · · </u>	2 - Dominance Test is	>50%	
6			. <u></u>	3 - Prevalence Index is	s ≤3.0 ¹	
7			4 6	4 - Morphological Ada	otations ¹ (Provide sup	oporting
8		_ <u>·</u>	<u> </u>	data in Remarks or	on a separate sheet)	
9			·	5 - Wetland Non-Vasci	ular Plants'	
10				Problematic Hydrophyl	tic Vegetation' (Expla	in)
11				¹ Indicators of hydric soil an	d wetland hydrology i	must
	90	_≂ Total Co	ver	be present, unless distuibe		
Woody Vine Stratum (Plot size:)		457	ſŸ			
1			·	Hydrophytic		
			·	Present? Yes	No No	
ار ۲۲۴۰ ۷ % Bare Ground in Herb Stratum	·	_= Totał Co	wer	 		
Remarks: 1) ECSTOTIN 1	5 6/08	E. Adir	17 on	boundary.		
		1. 1	·	• • •	-	

SOIL

Sampling Point:

	optimited to dependent the indicator of commit	me absence of mulcators.)
Depth <u>Matrix</u>	Redox Features	~ .
(inches) Color (moist) %	<u>Color (moist)</u> <u>%</u> <u>Type'</u> <u>Loc</u> ⁴	<u>Texture</u> <u>Remarks</u>
0-10 10410012 100		51 10pm
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partition and the second se		······································
······		
·		·
1		· · · · · · · · · · · · · · · · · · ·
Type: C=Concentration, D=Depletion, F	M=Reduced Matrix, CS=Covered or Coated Sand Gr	ains. ² Location: PL=Pore Lining, M=Matrix.
Historol (A4)	Sandy Dodox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	3
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Milleral (ST)	Depieted Dark Surface (F7) Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре:		· · · · · · · · · · · · · · · · · · ·
Depth (inches):		Hydric Soil Present? Yes No
Remarks:	بحدأت محاد	
	NO LEGOX .	
HYDROLOGY	·	· · · · ·
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one requi	ired: check all that anniv)	Secondary Indicators (2 or more required)
Surface Water (A1)		Mater Claired Leaves (DO) (MLDA 4. 0
	Water-Stained Leaves (B9) (excent	VV3166S1300001 0300218901001 RA 1 7
HIGH VVATEL LADIE (AZ)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	4A. and 4B)
Saturation (A3)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Sait Crust (B11)	4A, and 4B) Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Water-Standed Leaves (B9) (WLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	 Water-Standed Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc	 Water-Standed Leaves (B9) (WLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2)
 Jigh Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4)	 Water-Standed Leaves (B9) (WLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
 Jigh Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction In Tilled Soils (C6)	 Water-Standed Leaves (B9) (WLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
 Jigh Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction In Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR 4)	 Water-Standed Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ds (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
 Jign Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	 Water-Standed Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) decomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Algal Mater Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction In Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8)	 Water-Standed Leaves (B9) (MLRA 1, 2, 4A, and 4B) Dralnage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Fight Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Mater Deposit2	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8)	 Water-Standed Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Fight Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) (B7) Depth (Inches): Depth (Inches):	
Gater Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): Depth (inches): No	A, and 4B) A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Saturation (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Image: Provide Trable (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7)O Other (Explain in Remarks) e (B8) No Depth (Inches): No Depth (inches): Wette	
	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): No Depth (inches): Wetti monitoring well, aerial photos, previous inspections),	
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge,	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): No Depth (inches): Wettl monitoring well, aerial photos, previous inspections),	A, and 4B) A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Saturation (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No if available:
Fight Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, Remarks:	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction In Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) Depth (inches): No Depth (inches):	
Fight Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Vater Table Present? Yes Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, Remarks:	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): No Depth (inches)	Water-Standed Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) dis (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No if available: Sw FAC ~ bank F M
Fight Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, Remarks:	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) e (B8) No Depth (inches): No Depth (inches	Water-standed Leaves (B9) (MLRA 1, 2, 4A, and 4B) DraInage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) dis (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No No if available:
Fight Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Vater Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, Remarks:	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) e (B8) No Depth (inches): No Depth (inches)	Water-standed Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No if available: Surface - bank M

		vi – western wou	ntains, valleys, and C	Coast Region
Project/Site: SociEty TURN Porce	-ropor,	City/County: 5AN	Miguel s	ampling Date: <u>4/27/19</u>
Applicant/Owner: <u>SMVC</u>			State: <u></u> St	ampling Point:
Investigator(s): <u>MEHAN</u>		Section, Township, Ra	nge:	- -
Landform (hillslope, terrace, etc.):		Local relief (concavé,	convex, none):	Slope (%):
Subregion (LRR):	Lat:		_ Long:	Datum:
Soil Map Unit Name: Croyolop-Olls- CryA	qually	/	NWI classificati	on:
Are climatic / hydrologic conditions on the site typical for th	is time of yea	ar? Yes 🖊 🔢 No _	(If no, explain in Rem	arks.)
Are Vegetation, Soil, or Hydrology	significantly	disturbed? Are '	'Normal Circumstances" pres	sent? Yes No
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (If ne	eded, explain any answers i	n Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing	sampling point l	ocations, transects, i	mportant features, etc.
Hydrophytic Vegetation Present? Yes	No No No	Is the Sampled within a Wetlar	Area nd? Yes	No
Remarks: Alsumed Joils				•
VEGETATION Use scientific names of plan	nts.			
<u>Tree Stratum</u> (Plot size:) 1	Absolute <u>% Cover</u>	Dominant Indicator Species? Status	Dominance Test worksh Number of Dominant Sper That Are OBL, FACW, or I	eet: des / (A)
2			Total Number of Dominan Species Across All Strata:	(В)
4Sapling/Shrub Stratum (Plot size:)		= Total Cover	Percent of Dominant Spec That Are OBL, FACW, or I	ies FAC: <u>/ 0()</u> (A/B)
1. JA/1X SPP	80	V ZFOC	Prevalence Index works	neet:
2			Total % Cover of:	Multiply by:
3		·,,	CBL species	X1=
4		·······	FAC species	X3=
5	- .		FACU species	x0 x4=
Herb Stratum (Plot size:	00	= Total Cover	UPL species	x 5 =
1. TAMAYICUM OPPICINALE	<u> </u>	they	Column Totals:	(A) (B)
3			Prevalence Index =	
4.		·	1 - Papid Test for Hy	ronbytic Vegetation
5.			\overline{V}_2 - Dominance Test is	>50%
6.		· · · · · · · · · · · · · · · · · · ·	3 - Prevalence Index	s ≤3.0 ¹
7		· ·	4 - Morphological Ada data in Remarks o	ptations ¹ (Provide supporting on a separate sheet)
9.		······	5 - Wetland Non-Vaso	ular Plants ¹
10		······································	Problematic Hydrophy	tic Vegetation ^t (Explain)
11			¹ Indicators of hydric soil a	nd wetland hydrology must
Mandelling Otenhum (Distained	<u>Tr</u>	= Total Cover	De present, uniess disturb	eu or problematic.
veouv vine Stratum (Piot size:)				
2.		,,	Hydrophytic Vegetation	/
/#/s/ % Bare Ground in Herb Stratum (0		= Total Cover	Present? Yes_	V No
Remarks: Mo	stly Wi	Nows .	1	
) •••	• #		

US Army Corps of Engineers

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Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features (D-12) Color (moist) % Trexture Remarks (Pater Science Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. * Trexture Remarks	SOIL									Sampling Point:
Depth Matrix Redox Features Color (moist) % Type! Loc ² Texture. Remarks C-12 I GVA.2/V I/OV Golor (moist) % Type! Loc ² Texture. Remarks C-12 I GVA.2/V I/OV Golor (moist) % Type! Loc ² Texture. Remarks C-12 I GVA.2/V I/OV Golor (moist) % Type! Loc ² Texture. Remarks Color (moist) % Type! Loc ² Texture. Remarks Golor (moist) Golor (moist) </td <td>Profile Des</td> <td>cription: (Describ</td> <td>e to the de</td> <td>oth needed to docur</td> <td>nent the ind</td> <td>licator</td> <td>or confir</td> <td>m the a</td> <td>bsence of</td> <td>indicators.)</td>	Profile Des	cription: (Describ	e to the de	oth needed to docur	nent the ind	licator	or confir	m the a	bsence of	indicators.)
(Inches) Color (molel) % Color (molel) % Type Loc* Texture Remarks (Inches)	Depth	Matrix		Redo	x Features					
UTV ISVULY (UV Image: Construction in the image: Constructing in the image: Constructing in the image: Construle im	(inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ^z	<u> </u>	xture	Remarks
Image: Sufface Values of Matrix CS Secondary Indicators (2 or more required) Image: Sufface Values of Matrix (SS) Image: Sufface Values of Matrix (SS) Image: Sufface Values of Matrix (SS) Image: Sufface Values of Matrix (SS) Image: Values of Matrix (SS) Image: Sufface Values of Matrix (SS) Image: Values of Matrix (SS) Image: Sufface Values of Matrix (SS) Image: Values of Matrix (SS) Image: Sufface Values of Matrix (F2) Image: Values of Matrix (SA) Image: Values of Matrix (F2) Image: Values of Matrix (SA) Image: Values of Matrix (F2) Image: Values of Matrix (SA) Image: Values of Matrix (F2) Image: Values of Matrix (SA) Image: Values of Matrix (F2) Image: Values of Matrix (SA) Image: Values of Matrix (F2) Image: Values of Matrix (SA) Redox Derressions (F6) Image: Values of Matrix (SA) Redox Derressions (F8) Restrictive Layer (if present): Type: Type:	0-12	1642/2	00					<u> </u>	DAM	
Image: Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ?Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histosol (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrice Soulde (A4) Loamy Mucky Mineral (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Other (Explain in Remarks) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: Index Surface (F8) Index Surface (F7) Depth (inches): Mode: CdoX — may b\$ b\$ CAWSE fbe \$\science\$ (F7) No Remarks: NU & & & & & & & & & & & & & & & & & & &		•					-			
Image:	<u>. </u>	·		•						
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*:		·			· ···· · ··· · · · · · · ·		•	• •		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix, Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histosol (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loarny Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Other (Explain in Remarks) Thick Dark Surface (A12) Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) weltand hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type: No Depth (Inches): No No Mettand Hydrology Indicators: No Surface Water (A1) Surface Water (A1) Weter-Stained Leaves (B9) (MLRA 1, 2, Surface Water (A1) Surface Scandary Indicators: No Surface Water (A1)		·								<u>, , , , , , , , , , , , , , , , , , , </u>
Image: Solid Constraints Indicators 2 Location: PL=Pore Lining, M=Matrix. Image: Solid Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solids ³ : Image: Histosol (A1) Sandy Redox (S5) Indicators for Problematic Hydric Solids ³ : Image: Histosol (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Image: Depleted Below Dark Surface (A11) Depleted Matrix (F3) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Image: Solid Cleyed Matrix (S4) Redox Dark Surface (F7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type:: Indicators (minimum of one required: check all that apply) Remarks: NU (% d0X - Mosy bis bs (captor f,				•						
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ² :										
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histosol (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, sandy Gleyed Matrix (S4) Restrictive Layer (if present): Redox Depressions (F8) unless disturbed or problematic. Restrictive Layer (if present): NU (FcdQX - max) as bs (an S5 (Am S5 + H E S01)) Ks Type: Depth (inches): NU (FcdQX - max) as bs (an S5 (Am S5 + H E S01)) Ks Stringer Midicators (Minimum of one required: check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Water-Stained Leaves (B9) (oxcept Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)					·				· ~	· · · · · · · · · · · · · · · · · · ·
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histosol (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) ************************************	. <u> </u>	·								
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Back Histic (A3) Loarny Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loarny Gleyed Matrix (F3) Other (Explain in Remarks) Depleted Below Dark Surface (A12) Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Gleyed Matrix (S4) Redox Depressions (F8) unless disturbed or problematic. Restrictive Layer (if present): Type: No V Type: Indicators: No SonHWrAFtd ? No V Primary Indicators (M1)										
Type: Order of the second second second of the second	¹ Type: C=C	oncentration D=De	nletion RM	=Reduced Matrix_CS	 S=Covered c	or Coate	d Sand G	 Grains	² 1 ocat	ion: PL=Pore Lipipg M=Matrix
Histosol (A1) 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 MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type:	Hydric Soil	Indicators: (Appl	icable to al	LRRs. unless othe	rwise noted	.)	ia ouria c		Indicators	for Problematic Hydric Soils ³ :
Instatus (v10)	History	1 (A 1)		Sandy Rodoy (95)	.,			2 cm 1	week (Δ10)
Indic Expected (vE) Image of matrix (to) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sufide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A12) Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: NV< FcdoX - may bs	HisticsU	ninedon (A2)		Oandy Redox ((56)			•	Red P	arent Material (TF2)
Back Handwidd Beach Matrix (F2) Other (Explain in Remarks) Bepleted Below Dark Surface (A11) Depleted Matrix (F2) Other (Explain in Remarks) Bepleted Below Dark Surface (A12) Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, Sandy Gleyed Matrix (S4) Redox Depressions (F8) unless disturbed or problematic. Restrictive Layer (if present): Type: hydric Soil Present? No Type: Depleted Dark Surface (F7) wetland hydrology must be present, Depth (inches): No (Fd doX - Imay last loss CAWS 7: HE goi') No Hydrology Indicators: No (Fd doX - Imay last loss CAWS 7: HE goi') No HyDROLOGY Secondary Indicators (2 or more required) Secondary Indicators (2 or more required)	Black H	listic (A3)		Loamy Mucky M	Mineral (E1)	(excent	MIRA 1	n	Verv S	Shallow Dark Surface (TE12)
	Eludia I	en Sulfide (A4)		Loamy Gleved	Matrix (E2)	(over		·/ -	Other	(Explain in Remarks)
	Deniete	d Below Dark Surfa	ice (A11)	Denleted Matrix	(F3)			-		(Explain in Romanoy
Index pairs of the outline outline of the outline of the outline of the outline	Thick D	ark Surface (A12)		Redox Dark Su	rface (F6)			:	³ Indicators	of hydrophytic vegetation and
	Sandy I	Mucky Mineral (S1)		Denleted Dark	Surface (F7)	1			wetland	I hydrology must be present.
Restrictive Layer (if present): Type: Depth (inches): Remarks: NU REDOX - Insulations by CAMSE the GOID is Softwarted ? Hydric Soil Present? Yes NU REDOX - Insulations by CAMSE the GOID is Softwarted ? Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) 4A, and 4B)	Sandy (Gleved Matrix (S4)		Redox Depress	sions (F8)	r			unless	disturbed or problematic.
Type:	Restrictive	Laver (if present):								
Image: Secondary Indicators: Primary Indicators (minimum of one required; check all that apply)	Type									
Depth (incres):	Denth (in							1.1.1.1	Jula Call D	No. No.
Remarks: NU 15 doX - may be be cause the soil is Sn7Wrn75d ? HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Yhigh Water Table (A2) MLRA 1, 2, 4A, and 4B)	Debru (a	icnes):						пус	iric son P	resent? fes NO/
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (mLRA 1, 2, 4A, and 4B)	Remarks:			NUK	edox -	mou	las L	Second	rs. I	e cail in
SNHMATCO HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)				•		1 3	· · · · ·	•• (/• Iv	1 v 1	C 0011 18
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)				SN	ANUVA	d S				
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except ✓ High Water Table (A2) MLRA 1, 2, 4A, and 4B)										
Wetland Hydrology Indicators:	HYDROLO	DGY								·
Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) High Water Table (A2) MLRA 1, 2, 4A, and 4B) 4A, and 4B)	Wefland Hy	drology indicator	2.							··· · · · · · · · · · · · · · · · · ·
	Drimony Indi	icatore (minimum of	 I one require	d: chock all that and	M)				Second	any Indicators (2 or more required)
									000010	
High vvater Lable (A2) MILKA 1, 2, 4A, and 4B) 4A, and 4B)	Surrace	e vvaler (AT)				(69) (6 1 (69)	xcept		vva	ter-Stamed Leaves (B9) (MLRA 1, 2,
		rater I able (A2)			1, 2, 4A, an	a 48)				4A, and 4B)

____ Salt Crust (B11)

____ Aquatic Invertebrates (B13)

..... Hydrogen Sulfide Odor (C1)

____ Other (Explain in Remarks)

Depth (inches):

Depth (inches):

pain located at water level.

No 🕢 Depth (inches):

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

Presence of Reduced Iron (C4)

____ Oxidized Rhizospheres along Living Roots (C3)

З

____ Recent Iron Reduction in Tilled Soils (C6)

____ Stunted or Stressed Plants (D1) (LRR A)

_ Saturation (A3)

..... Water Marks (B1)

Drift Deposits (B3) ____ Algal Mat or Crust (B4)

___ Iron Deposits (B5)

Field Observations:

Surface Water Present?

(includes capillary fringe)

Water Table Present?

Saturation Present?

Remarks:

____ Sediment Deposits (B2)

____ Surface Soil Cracks (B6)

____ Inundation Visible on Aerial Imagery (B7)

Sparsely Vegetated Concave Surface (B8)

Yes ____

Yes ____

Yes_L

No /

No

___ Drainage Patterns (B10)

___ Geomorphic Position (D2)

____ Shallow Aquitard (D3)

____ FAC-Neutral Test (D5)

Wetland Hydrology Present? Yes _

____ Dry-Season Water Table (C2)

____ Raised Ant Mounds (D6) (LRR A)

____ Frost-Heave Hummocks (D7)

Saturation Visible on Aerial Imagery (C9)

No

WETLAND DETERMINATION DATA FOR	RM – Western Mountains, Valleys, and Coast Region
Project/Site: JOCIETY TURN PORCE - KOON	City/County: JAN MIGUEL Sampling Date: 4/05/19
Applicant/Owner:/SMVc	State: <u>CO</u> Sampling Point: <u>7</u>
Investigator(s): MEHAN	Section, Township, Range:
Landform (hillslope, terrace, etc.): 100 d bank	_ Local relief (concave, convex, none): Slope (%): 20
Subregion (LRR): Lat:	Long: Datum:
Soil Map Unit Name: Cryoburolls - Cryo QUONS	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Normal Circumstances" present? Yes 📈 No
Are Vegetation, Soil, or Hydrology naturally pr	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No V Hydric Soil Present? Yes No V////////////////////////////////////	Is the Sampled Area within a Wetland? Yes No
Remarks: ON Steep Slopse DI ONG	hichway.,

VEGETATION – Use scientific names of plants.

· · · · · · · · · · · · · · · · · · ·	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Developed Operator
1				That Are OBL EACIW or EAC:
-			·	
2	• • • • • • •		·	Total Number of Dominant
3				Species Across All Strata: (B)
4.				
		= Total Co	wor	Percent of Dominant Species 50 (A/D)
Sapling/Shrub Stratum (Plot size:				That Are OBL, FACW, or FAC: (A/B)
1 Cally 500	50	V	2Fac	Prevalence Index worksheet:
			<u> </u>	Total % Cover of:Multiply by:
2.			·	OBL species x 1 =
3		·	·	
4,				
5.				FAC species x 3 =
	50			FACU species x 4 =
Herb Stratum (Plot size:			7401	UPL species x 5 =
1. Browne loz mis	40	V .	UPL	Column Totals: (A) (B)
2. TARAXICAM OPPICINALS	10		FACY	Brovelence Index = B/A = 1
3	,		,,	
				Hydrophytic vegetation indicators:
4		•	· •	1 - Rapid Test for Hydrophytic Vegetation
5			·	2 - Dominance Test is ≥80%
6			· <u></u>	3 - Prevalence Index is ≤3.0 ¹
7		·····		4 - Morphological Adaptations ¹ (Provide supporting
8		·	·	data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants
10		,		Problematic Hydrophytic Vegetation ¹ (Explain)
11				¹ Indicators of hydric soil and wetland hydrology must
·	50	= Total Co	ver	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)		50/	11)	
1.		0 /	10	Hydronbytin
0		·	· <u> </u>	Vegetation
2			·	Present? Yes No
9/ Born Crowind in Harb Stratum (50)		= Total Co	ver	
Bare Ground III Heid Stratum VV		<u>.</u>		
remarks: nory deal, di	nNG W	Hows)	
	,			

SOIL

Sampling Point: 5

Profile Description: (Describe to the	depth needed to document the indicator or confirm	n the absence of indicators.)
Depth <u>Matrix</u>	Redox Features	
(inches) Color (moist) %	$\frac{1}{1}$ <u>Color (moist)</u> <u>%</u> <u>Type</u> <u>Loc</u>	Texture Remarks
0-12 104 013,312 10	0	(n 10Am
·		
k		······································
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
¹ Type: C=Concentration, D=Depletion,	RM=Reduced Matrix, CS=Covered or Coated Sand G	rains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soli Indicators: (Applicable t	o all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solis :
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Ked Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Gleved Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A1	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре:		
Depth (inches):		Hydric Soil Present? Yes No _/
Remarks:		
Wetland Hydrology Indicators:	u in de de de all that avait à	Concernations (indications (i) on more required)
Primary indicators (minimum of one red	Juired; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
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)
Drift Deposits (B2)	Hydrogen Sunde Odor (CT)	Saturation Visible on Aenal Imagery (C9)
Algel Met er Crust (P4)	Dressness of Doduced Iron (C4)	Shallow Aguitard (D2)
Iron Denosits (B6)	Pecent iron Reduction in Tilled Soils (C)	6) EAC Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) /I BR A	Baised Ant Mounds (D6) (LRR A)
[nundation Visible on Aerial Image	or (B7) Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surf	ace (B8)	
Field Observations:		
Surface Water Present? Ves	No / Depth (inches):	
Water Table Present? Ves	No // Depth (inches);	/
Saturation Present? Von	No Depth (inches):	land Hydrology Present? Yes No/
(includes capillary fringe)		
Describe Recorded Data (stream gaug	e, monitoring well, aerial photos, previous inspections),	if available:
Remarks:	ALL LUNTS, SOURCES WELL AD	evs creek
	WV WDIV an entractly did	

old Willows the the East

WETLAND DETERMINATION DATA FO	DRM – Western Mountains, Valleys, and Coast Region
Project/Site: JociEty TURN Porcel-KO	A City/County: JAN MiGUEL Sampling Date: 4/25/19
Applicant/Owner:SMVc	State: <u>CO</u> Sampling Point: <u>6</u>
Investigator(s): MEHAN	Section, Town <u>sh</u> ip, Range:
Landform (billslop), terrace, etc.): rond bank	Local relie((concave, convex, none): Slope (%):
Subregion (LRR): Lat: _	Long: Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of Are Vegetation, Soil, or Hydrology significan Are Vegetation, Soil, or Hydrology naturally SUMMARY OF FINDINGS – Attach site map showi	f year? Yes No (If no, explain in Remarks.) ntly disturbed? Are "Normal Circumstances" present? Yes No problematic? (If needed, explain any answers in Remarks.) ing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks: 01/d Mostly	WILLOWS ON S. HIGHMAN EMBONISMINT
VEGETATION – Use scientific names of plants.	ute Dominant Indicator Dominance Test worksheet:

	- Doolute		Domanation root workshoot.
Tree Stratum (Plot size:)	<u>% Cover</u>	<u>Species?</u> Status	Number of Dominant Species
2	<u> </u>	·	Total Number of Dominant
3		· ·	Species Across All Strata: (B)
4			
		_ = Total Cover	That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size:)	00		Provelence Index worksheet:
1. JAILY SPP		V ZFOC	
2. TUNIPERINT			
3.			OBL species x1 =
			FACW species x 2 =
, ,			FAC species x 3 =
0	- <u>CA</u>		FACU species x 4 =
Herb Stratum (Plot size:	<u>_v</u> v	_ = Total Cover	UPL species x 5 =
	•	30/12	Column Totals: (A) (B)
		•	(-)
2			Prevalence Index = B/A =
3	_,		Hydrophytic Vegetation Indicators:
4		d december and because are send	1 - Rapid Test for Hydrophytic Vegetation
5.			2 - Dominance Test is >50%
6		·	$3 - Prevalence Index is \le 3.0^1$
7			4 - Morphological Adaptations ¹ (Provide supporting
8.		•	data in Remarks or on a separate sheet)
9.			5 - Wetland Non-Vascular Plants ¹
10.			Problematic Hydrophytic Vegetation ¹ (Explain)
11		· ·	¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:		_= Total Cover	
4			
			Hydrophytic Vogetation
Z			Present? Yes No
% Bare Ground in Herb Stratum		_= Total Cover	
Pomarke:			
Most of Willows N/2	dend/	dulNE, A 1	of ap litter (dead proversy)
			·

L

SOIL	·							Sam	ipling Point: 🗲	ר <u>ו</u>
Profile Desc	cription: (Describe t	o the dept	h needed to docun	nent the in	dicator o	or confirm	the absen	ice of indicators	.)	
Depth	Matrix		Redox	K Features					E 1	
(inches)	$\frac{\text{Color (moist)}}{1 + 1 + 1 + 2}$		Color (moist)		Type'	Loc	lexture		Remarks	')
0-70	076392	100				<u> </u>	<u>r 188</u> M	<u> </u>	TODIA	<u>p1+</u>
										,
·		······								
• • • • • • • •	·	·								. <u> </u>
Type: C=C	oncentration, D≂Deple	etion, RM≂ blo to all l	Reduced Matrix, CS	Covered	or Coate	d Sand Gra	ains. *	Location: PL=Po	re Lining, M≃Ma matic Hydric S	atrix. oile ³ :
Historal	mulcators. (Applica	1010 EU AIL	Condy Doday (WISE 11016	u.y		niuic		matic nyunc S	0115 .
Histic Fi	ninedon (A2)		Strinned Matrix	55) (S6)			²	Red Parent Mater	ial (TF2)	
Biack Hi	istic (A3)		Loamv Mucky M	lineral (F1)	(except	MLRA 1)		/erv Shallow Darl	k Surface (TF12)
Hydroge	en Sulfide (A4)		Loamy Gleyed I	Matrix (F2)	(oncope			Other (Explain in I	Remarks)	,
Deplete	d Below Dark Surface	(A11)	Depleted Matrix	(F3)					ŗ	
Thick Da	ark Surface (A12)		Redox Dark Su	face (F6)			³ Indic	cators of hydrophy	ytic vegetation a	ind
Sandy N	Aucky Mineral (S1)		Depleted Dark \$	Surface (F7	')		W	etland hydrology i	must be present	,
Sandy C	Gleyed Matrix (S4)		Redox Depress	ions (F8)			un	iless disturbed or	problematic.	
Restrictive	Layer (if present):						ļ			/
Type:										\sim
Depth (in	ches):						Hydric S	Soil Present?	YesN	0
	IGY									.
Wotland Hy	drology Indicators:									
Primary India	catore (minimum of or	ne required	r check all that annu	٨			Se	condary Indicato	rs (2 or more rea	nuired)
<u>j uniary inar</u> Surfaco	Motor (A1)	<u>io requirec</u>	Water-Stal	u nod Loavo	e /B0\ /o	veent	00	Water-Stained	19 (2 01 110) C 10	
High \06	ater Table (A?)			1 9 4Δ a	3 (D9) (0. 1d 4B)	vcehr		4A and 4B		LIVA 1, 2,
Saturati	(A3)		Salt Crust	(R11)	iu 40j			Drainage Patte	, ms (B10)	
Water N	larks (B1)		Aquatic Inv	(ertebrates	(B13)		•	Drv-Season Wa	ater Table (C2)	
Sedime	nt Deposits (B2)		Hydrogen	Sulfide Od	or (C1)			Saturation Visit	ole on Aerial Ima	agery (C9)
Drift De	posits (B3)		Oxidized F	hizospher	es along	Living Roof	ts (C3)	- Geomorphic Po	sition (D2)	
Algal Mi	at or Crust (B4)		Presence	of Reduced	I Iron (C4	ł)	· · ·	_ Shallow Aquita	rd (D3)	
Iron De	posits (B5)		Recent Iro	n Reductio	n in Tilleo	d Soils (C6))	_ FAC-Neutral Te	est (D5)	
Surface	Soil Cracks (B6)		Stunted or	Stressed F	Plants (D	1) (LRR A)		Raised Ant Mo	unds (D6) (LRR	A)
Inundati	ion Visible on Aerial Ir	nagery (B7	') Other (Exp	lain in Rer	narks)			Frost-Heave Hu	ummocks (D7)	
Sparsel	y Vegetated Concave	Surface (I	38)							
Field Obser	vations:		31							
Surface Wat	ter Present? Ye	es l	Vo Depth (in	ches):		_				/
Water Table	Present? Ye	es l	Vo Depth (ind	ches):						
Saturation P	Present? Ye	es I	No 🔽 Depth (ind	ches):		_ Wetla	and Hydrol	logy Present?	Yes 1	10 <u>/</u>
Describe Re	corded Data (stream	dalide, mo	nitoring well, aerial t	photos, pre	vious ins	pections), i	if available:	•		
	· · · · · · · · · · · · · · · · · · ·	33,		,						
Remarks:	Tou	wh fai	sing ships	, Dru	1 ×					
			•		T					
	,	ï	r.							

			old willows to the
	DATA FORM -	- Western Mou	ntains, Valleys, and Coast Region
oject/site: Joci Ety TURN Porce	E - 1000 City	/County: <u>50N</u>	MiGUEI Sampling Date: 4/25/19
pplicant/Owner:			State: CO Sampling Point:
vestigator(s): MEHAN) See	ction, Township, Ra	nge:
andform (hillstope, terrace, etc.); KOG d ban)	 ~ Lo	cal relief (concave. (convex none): Slope (%): 3-5
ubregion (LRR):	Lat:		_ Long: Datum:
oil Map Unit Name:			NWI classification:
e climatic / hydrologic conditions on the site typical for	this time of year?	Yes 🔽 No _	(If no, explain in Remarks.)
e Vegetation, Soil, or Hydrology	significantly disi	turbed? Are "	'Normal Circumstances" present? Yes 📈 No
e Vegetation, Soil, or Hydrology	_ naturally proble	matic? (If ne	eded, explain any answers in Remarks.)
UMMARY OF FINDINGS – Attach site ma	p showing sa	ampling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	No No	Is the Sampled within a Wetlar	Area nd? Yes <u>No V</u>
Remarks:			
EGETATION – Use scientific names of pl	ants.		
Tree Stratum (Plot size:)	Absolute D <u>% Cover</u> S	ominant Indicator pecies? <u>Status</u>	Dominance Test worksheet: Number of Dominant Species
2			Total Number of Dominant
3 4.	<u> </u>		Species Across All Strata: (B)
Capling/Shub Stratum (Diat size:		Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)
	ଧି	V Stou	Prevalence Index worksheet:
· <u> </u>			Total % Cover of:Multiply by:
3.			OBL species x 1 =
			FACW species x 2 =
5			FAC species X 3 =
	80 =	Total Cover	FACU species x 4 =
<u>lerb Stratum</u> (Plot size:)	00		Ophump Tetalet (1)
1. Aromy F INEIMS			
·			Prevalence Index = B/A =
3.		, ,,	Hydrophytic Vegetation Indicators:
l	······································		1 - Rapid Test for Hydrophytic Vegetation
		<u>.</u>	2 - Dominance Test is 50%
·			3 - Prevalence Index is ≤3.0 ¹
			4 - Morphological Adaptations ¹ (Provide supporting
·	· ·	,	5 Motiond Non Vessular Diseas
)			Dechlometic Understation (Sector)
0			
			be present, unless disturbed or problematic.
Moody Vine Stratum (Plot size:	<u>~()</u> =1	Total Cover	
ls			Vegetation
>			
2		Total Cover	Present? Yes No V

SOIL

Sampling Point: 7

Profile Description: (Describe to t	he depth needed to document the indicator or confirm	m the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist)	<u>%</u> Color (moist) % Type' Loc ²	Texture Remarks
0-12 10/23/2 1	00	Crissm
	• • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·
		· · · · · · · · · · · · · · · · · · ·
·]
		· · · /
¹ Type: C=Concentration D=Denletic	on RM=Reduced Matrix, CS=Covered or Coated Sand C	Brains ² Location: PL=Pore Lining M=Matrix
Hydric Soil Indicators: (Applicable	e to all LRRs. unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	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 MLRA 1) Very Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A	11) Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed of problematic.
Restrictive Layer (if present):		
Type:		
Depth (inches):		Hydric Soil Present? Yes No _/
Remarks:	NO redox	
Wotland Hydrology Indicators:		
Drimony Indicators (minimum of one	required, check all that apply?	Secondary Indicators (2 or more required)
	Meter Steined Leaves (D0) (event	Secondary Indicators (2 of Thore required)
Sunace Water (AT)	Waler-Stained Leaves (B9) (except	Water-Statileu Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	WLRA 1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Sali Clusi (B11)	Drainage Patterns (B10)
Water Marks (BT)	Aqualic Inventebrates (B13)	Dry-Season Water Table (C2)
Seuthent Deposits (B2)	Hydrogen Sumde Odor (CT)	Saturation Visible on Aenal Imagery (C9)
Algol Mot or Crust (P4)	Oxidized Rhizospheres along Living Ro	Shellow Aguitard (D2)
Izon Donocite (85)	Fresence of Reduced from (64)	C6) EAC Neutral Tast (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plante (D1) (LPP)	
Inundation Visible on Aerial Ima	any (B7) Other (Evaluin in Remarks)	Erost Heave Hummocks (D7)
Sparsely Verietated Concave Si		
Field Observations:		
Surface Water Present? Ves	No Depth (inches):	
Mater Table Present? Yes	No / Depth (inches):	
Poturotion Drocomto	No V Depth (mines).	fland Hydrology Process Vac
(includes capillary fringe)	No Deput (incres) Wet	hand Hydrology Present? Tes No
Describe Recorded Data (stream ga	use menitoring well period photon provident inequations)) if available:
	uge, monitoring weil, aenai priotos, previous inspections)	/i ii availabic.
	uge, monitoring weil, aenai photos, previous inspections)	
Remarks:	teast states still in de	, ii available.
Remarks: 5	- FACING 5/6/25, Stil 15 dry.	, il available.
Remarks: 5	tocing of the states, still is dry.	, ii available.
Remarks: 5	The the state of the the state of the state	, ii available.
Remarks: 5	tocing 5/605, 511) is dry	, ii available.

Appendix B

Supplemental Study Area Photographs



Photo 1. Old cottonwoods near WDDF 1.



Photo 3. Wetland with willows along Remine Creek (WDDF 4).



Photo 2. Old cottonwoods and willows along highway.



Photo 4. Wetland at culvert on Remine Creek.



Photo 5. Wetland at culvert along Remine Creek.



Photo 6. Looking west along highway with wetland to the left.



Photo 7. Far western end of the study area.



Photo 8. Old willows near WDDF 6.



Photo 9. Old willows near WDDF 7.



Photo 10. Close-up of old dead willows.



Photo 11. Close-up of dead willow branches on ground (litter).



Photo 12. Strip of old willows and cottonwoods along highway looking east (near WDDFs 1 and 2).

Appendix C

2015 Society Turn Wetland Delineation Map 2015 Table of Aquatic Features 2015 Wetland Delineation Data Forms 2015 Society Turn Project Area Photos



7 2	
3K	S
Water Consul	tants

www.BikisWater.com

$1 \operatorname{inch} = \frac{1}{10} \operatorname{teet}$

surveyed by Foley & Associates.

Table 1. Aquatic Features - Society Turn Parcel San Miguel Valley Corporation

Identifier	Туре	Cowardin Code	HGM Code	Measurement Type	Area (Acre)	Waters Type	Latitude	Longitude	Local Water
W-1	Wetland	PSS1E	SLOPE	Area	0.01	RPWWN*	37.949039	-107.871935	San Miguel River
W-2	Wetland	PEME	SLOPE	Area	0.07	RPWWN	37.948896	-107.872045	San Miguel River
W-3	Wetland	PSS1E	SLOPE	Area	0.06	RPWWN	37.949003	-107.873095	San Miguel River
W-4	Wetland	PSS1E	SLOPE	Area	0.07	RPWWN	37.948863	-107.873037	San Miguel River
W-5	Wetland	PSS1E	SLOPE	Area	0.25	RPWWN	37.949387	-107.878304	Remine Creek
C-1	Perennial	R3SB3	RIVERINE	Area	0.15	TNW	37.949072	-107.872605	San Miguel River
				TOTAL	0.61				

Notes

* RPWWN = Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs.

RPW = Relatively permanent waters that flow directly or indirectly into TNWs.

TNW = Traditional navigable water.

Project/Site: SOEIELY TURN	City/County: SAN M'GUE COUNTY Sampling Date: 7/1-	<u>[13</u>
pplicant/Owner: <u>5MVC</u>	State: CO Sampling Point:	
nvestigator(s): <u>MEHAN</u>	Section, Township, Range:	K
andform (hillslope, terrace, etc.):	Local relie (concave, convex, попе): Slope (%):	<u> </u>
Subregion (LRR):	Lat: Datum:	
Soil Map Unit Name:	NWI classification:	·····
Are climatic / hydrologic conditions on the site typical	for this time of year? Yes No (If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes K N	o c
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site	nap showing sampling point locations, transects, important feature	s, etc.
Hudrophytic Vegetation Present? Yes 1/	N0 (
Hydric Soil Present? Yes	No Is the Sampled Area	1
Wetland Hydrology Present? Yes	No No	
Remarks:		ļ
		ł
	Plants.	1
Tree Stratum (Plot size:)	<u>% Cover</u> Species? Status Number of Dominant Species / A	
1	That Are OBL, FACW, or FAC:	(A)
2	Total Number of Dominant	
3	Species Across All Strata:	(B)
4	= Total Cover	
Sapling/Shrub Stratum (Plot size:	That Are UBL, FACW, of FAC. That Are UBL, FACW, of FAC. The second	(705)
1. JALIX mantrela	Total % Cover of: Multiply by:	
2. JALIX EXIGNA	/ 0 FALW OBL species x1 =	
3	FACW species x 2 =	_
4	FAC species x 3 =	-
5		-
Herb Stratum (Plot size:)	UPL species x5 =	- _(B)
1. pop 10 tensis	$\frac{T()}{2\pi i l} = \frac{T_0 C}{T_0 C} Column rotals: (A)$	- (^{D)}
2. Cumix Crispin-	$\frac{d Prevalence index = B/A = _}{5 A (c)}$	
3. Millen Jane Ara	Hydrophytic Vegetation Indicators:	
5 Deconner Shithi		
6.	2 Prevalence Index is ≤3.0 ¹	
7	4 - Morphological Adaptations ¹ (Provide su	pporting
8	data in Remarks or on a separate sheet	'
9	5 - Wetland Non-Vascular Mants'	ain)
10	1 Indicators of hydro soil and wetland hydrology	must
11	$\frac{90}{2}$ = Total Cover	
Woody Vine Stratum (Plot size:)	<u> </u>	
1	Hydrophytic	
2	Vegetation Present? Yes No	
% Rom Cround in Linth Stratum	= Total Cover	

:

2

IL.					Sampling Point:	
ofile Description: (Describe to the de	pth needed to docume	ent the indicator	or confirm	the absence of	indicators.)	
eoth Matrix	Redox	Features			Demedre	
iches) Color (moist) %	Color (moist)	<u>% Type'</u>	Loc ²	<u>Texture</u>	Remarks	
1-h 10×03/1 95		36	-101	<u>- 70 F</u> -		<u> </u>
11/2 3/2 95	5Vn 5/6 5/4		<u></u> .			
				. <u></u> .		
			<u></u>			
				<u> </u>		
· · · · · · · · · · · · · · · · · · ·				<u> </u>	· · · · · · · · · · · · · · · · · · ·	
	<u> </u>					
			d Sand Gra	ains. ² Loca	tion: PL=Pore Lining, M=Matrix.	
pe: C=Concentration, D=Depletion, Ri dric Soil Indicators: (Applicable to a	II LRRs, unless other	wise noted.)		Indicator	for Problematic Hydric Soils ³	:
	Sandy Redox (S	5)		2 cm	Muck (A10)	
Histic Enjoedon (A2)	Stripped Matrix ((S6)		Red F	Parent Material (TF2)	
Black Histic (A3)	Loamy Mucky M	ineral (F1) (excep	t MLRA 1)	Very	Shallow Dark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed N	Aatrix (F2)		Other	(Explain in Remarks)	
Depleted Below Dark Surface (A11)	Depleted Matrix	(F3)		3	of hydrophytic vogetation and	
Thick Dark Surface (A12)	Redox Dark Sur	face (F6)		"indicator:	a bydroioov must be present.	
_ Sandy Mucky Mineral (S1)	Depleted Dark S	SUFFACE (F7)		unless	disturbed or problematic.	
Sandy Gleyed Matrix (S4)	Redox Depless			1		
the state of the second st				1		
estrictive Layer (if present):						
estrictive Layer (if present): Type: Depth (inches): emarks: 44441c 3	50,1, 01055	, to ex	et.	Hydric Soil I	Present? Yes <u>No</u>	
estrictive Layer (if present): Type: Depth (inches): emarks: 4 んんて	si, , clase	, to c/(et.	Hydric Soil I	Present? Yes <u>No</u>	
estrictive Layer (if present): Type: Depth (inches): emarks: 4 y d/1c ₹	<u></u> si,1, c105 e	, to ex	et.	Hydric Soil I	Present? Yes <u>No</u>	
estrictive Layer (if present): Type: Depth (inches): emarks: 44 y d/1C DROLOGY Tetland Hydrology Indicators:	$\frac{1}{56,1}, \frac{1}{2}$, to era	et.	Hydric Soil I Secon	Present? Yes <u>No</u>	ed)
strictive Layer (if present): Type: Depth (inches): emarks: Q Q AIC DROLOGY retland Hydrology Indicators: rimary Indicators (minimum of one required)	$\frac{1}{10000000000000000000000000000000000$, to c/(excent	Hydric Soil I <u>Secon</u> W	Present? Yes <u>No</u> No dary Indicators (2 or more require ater-Stained Leaves (B9) (MLRA	ed)
strictive Layer (if present): Type: Depth (inches): marks: 44 y d/1c 5 DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1)	SGIL, CLOSE	y) 1.2.40 and 48)	except	Hydric Soil I Secon W	Present? Yes <u>No</u> No dary Indicators (2 or more require ater-Stained Leaves (B9) (MLRA 4A, and 4B)	ed)
strictive Layer (if present): Type: Depth (inches): marks: IA U d/IC DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2)	ired: check all that appl Water-Stai	y) (B11)	except	Hydric Soil I Secon W	Present? Yes <u>No</u> No dary Indicators (2 or more require ater-Stained Leaves (B9) (MLRA 4A, and 4B) ainage Patterns (B10)	<u>ed)</u>
strictive Layer (if present): Type: Depth (inches): marks: A y d/1C DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Wide Marker (21)	ired: check all that appl 	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13)	except	Hydric Soil I Secon W 1 Du	Aresent? Yes <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u>	ed)
strictive Layer (if present): Type: Depth (inches): marks: A y d/lc DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Continuent Dependent (P2)	ired: check all that appl Water-Stai MLRA 	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1)	except	Hydric Soil I <u>Secon</u> W <u>V</u> Du Si	Aresent? Yes No Modary Indicators (2 or more required ater-Stained Leaves (B9) (MLRA 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imager	ed) \ 1, 2
strictive Layer (if present): Type: Depth (inches): marks: 44 y d/1C DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Diff Depareties (B2)	ired: check all that appl Water-Stai MLRA Salt Crust Aquatic Im Dividized f	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon	except	Hydric Soil I <u>Secon</u> W <u>U</u> Du Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M <u>U</u> Du Signature M U M U U U U U U U U	dary Indicators (2 or more require ater-Stained Leaves (B9) (MLRA 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imager comorphic Position (D2)	ed) 1, 2
strictive Layer (if present): Type: Depth (inches): marks: 44 y d/1C DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ired: check all that appl Water-Stai MLRA 	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced iron (except	Hydric Soil I 	A comparison of the second sec	<u>ed)</u> \ 1, 2
strictive Layer (if present): Type: Depth (inches): marks: IA U d/IC DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) (ron Deposits (B5)	ired: check all that appl Water-Stai MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced iron (on Reduction in Till	except	Hydric Soil I 	Ac-Neutral Test (D5)	ed) (CS
strictive Layer (if present): Type: Depth (inches): marks: DROLOGY etiand Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6)	ired: check all that appl Water-Stai MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence Recent Inc Stunted of	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced iron (on Reduction in Till r Stressed Plants (g Living Ro (24) led Soils (C D1) (LRR A	Hydric Soil I Hydric Soil I <u>Secon</u> W <u>V</u> Du Du Du Si ots (C3) <u>V</u> G Si G) F/ N) R	Ac-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)	<u>ed)</u> A 1, 2 ry (CS
strictive Layer (if present): Type: Depth (inches): emarks: DROLOGY etiand Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery	ired: check all that appl water-Stai MLRA Sait Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc Stunted or (B7) Other (Ex)	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced iron (on Reduction in Till r Stressed Plants (plain in Remarks)	g Living Roi (24) (24) (24) (27) (28) (27) (28) (27) (28) (28) (29) (29) (29) (29) (29) (29) (29) (29	Hydric Soil I Hydric Soil I <u>Secon</u> W <u>U</u> Du Du Si ots (C3) <u>V</u> G Si Gi Si Gi Si Gi Si Gi Si Fi N Si Fi N Si Ci Si Si Si Si Si Si Si Si Si S	Ac-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)	ed) \ 1, 2,
strictive Layer (if present): Type: Depth (inches): emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface	ired; check all that appl Water-Stai Water-Stai MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence Recent Irc Stunted or (B7) Other (Exp 26 (B8)	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Till r Stressed Plants (plain in Remarks)	g Living Ro except (24) (LRR 4	Hydric Soil I 	Aresent? Yes No No dary Indicators (2 or more required ater-Stained Leaves (B9) (MLRA 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imager comorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)	<u>ed)</u> \ 1, 2 ry (CS
estrictive Layer (if present): Type: Depth (inches): emarks: 44 y d/1C DROLOGY retiand Hydrology Indicators: rimary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface ield Observations:	ired: check all that appl Water-Stai MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence Recent Irc Stunted ou (B7) Other (Exp 26 (B8)	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced iron (on Reduction in Till r Stressed Plants (plain in Remarks)	g Living Roi 24) led Soils (C D1) (LRR 4	Hydric Soil I 	Ac-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)	<u>ed)</u> \ 1, 2 ry (CS
estrictive Layer (if present): Type: Depth (inches): emarks: 44 y d/1C DROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Surface Water Present? Yes	ired: check all that appl Water-Stai MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence Recent Iro Stunted ou (B7) Other (Exi 26 (B8)	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced iron ((on Reduction in Til r Stressed Plants (plain in Remarks)	g Living Rom (24) led Soils (C D1) (LRR A	Hydric Soil I 	Aresent? Yes No No dary Indicators (2 or more required ater-Stained Leaves (B9) (MLRA 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imager comorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)	ed) 1, 2, ry (CS
estrictive Layer (if present): Type: Depth (inches): emarks: (DROLOGY /etiand Hydrology Indicators: rimary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface ield Observations: Surface Water Present? Yes Vater Table Present? Yes	ired: check all that appl water-Stai MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence Recent Irc Stunted ou (B7) Other (Ex) Ce (B8) No Depth (in No Depth (in	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced iron ((on Reduction in Till r Stressed Plants (plain in Remarks) mches):	g Living Rom 24) led Soils (C D1) (LRR A	Hydric Soil I 	Aresent? Yes No No dary Indicators (2 or more required ater-Stained Leaves (B9) (MLRA 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imager comorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) host-Heave Hummocks (D7)	ed) \ 1, 2, ry (C9
estrictive Layer (if present): Type: Depth (inches): emarks: 44 y 4/1C 'DROLOGY Tetiand Hydrology Indicators: rimary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface ield Observations: Surface Water Present? Yes Vater Table Present? Yes Saturation Present? Yes	ired: check all that appl water-Stain MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence Recent Irc Stunted ou (B7) Other (Exp 26 (B8) No No Depth (in No Depth (in Depth (in Depth (in Depth (in	y) ined Leaves (B9) (1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Till r Stressed Plants (plain in Remarks) plain in Remarks) photes): nches):	g Living Rod C4) led Soils (C D1) (LRR A	Hydric Soil I 	Ac-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)	ed)

Remarks:

Soil Moist at 12"

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······································	Cit	y/County: SAN M	GILE COUNTY Sampling Date: 7/1/13
pplicant/Owner: <u>SMVC</u>			State: <u>CO</u> Sampling Point: <u>2</u>
nvestigator(s): <u>MEHAN</u>	Se	ction, Township, Rar	nge:
andform (hillslope, terrace, etc.):	Lo	cal relief (concave, o	convek, none):
ubregion (LRR).	Lat:		_ Long: Datum:
oil Map Unit Name:			/NWI classification:
re climatic / hydrologic conditions on the site typical f	or this time of year?	Yes NoV	/ (If no, explain in Remarks.)
re Vegetation, Soil, or Hydrology	significantly dis	turbed? Are "	'Normal Circumstances" present? Yes 📈 No 🔄
re Vegetation, Soil, or Hydrology	naturally proble	ematic? (If ne	eded, explain any answers in Remarks.)
UNMARY OF SINDINGS - Attach site m	an chowing c	ampling point k	ocations transacts important features atc
SUMMART OF FINDINGS - Attach site in	iap snowing s		
Hydrophytic Vegetation Present? Yes		is the Sampled	Area
Hydric Soll Present? tes Wetland Hydrology Present? Yes		within a Wetlar	1d? Yes No_1/
Remarks:			
EGETATION – Use scientific names of	plants.		
	Absolute E	Dominant Indicator	Dominance Test worksheet:
<u>1 (Piot size:)</u>	<u>% Cover</u> S	pecies? Status	Number of Dominant Species
2	······································		
3.			Total Number of Dominant (B)
4			
	=	Total Cover	That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size:)			Prevalence index worksheet:
1			Total % Cover of: Multiply by:
2			OBL species x 1 =
а.			FACW species x 2 =
7			FAC species x 3 =
······································		Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	~ 6	1 =	UPL species x 5 =
Herb Stratum (Plot size:) 1. Bromht Infrmis	99	/ FAG	UPL species x 5 ≈ Column Totals: (A)
Herb Stratum (Plot size:) 1. Bromht Infrmis 2. CIrcium Arvense	<u>99</u> T	FAG	UPL species x 5 =
Herb Stratum (Plot size:) 1	<u>99</u> <u>T</u> C	FAC	UPL species x 5 =
<u>Herb Stratum</u> (Plot size:) 1) 2 2 3 4	<u>99</u> <u>T</u> C	FAC	UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:) 1 Bromht h f (M) S 2 C)rtihm A/V/NS 3 4 5	<u> </u>	FAG	UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 0 - Dominance Leading 52.01
Herb Stratum (Plot size:) 1	<u>99</u> <u>T</u> C		UPL species x 5 = Column Totals: (A) (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^{1}$ 4 - Mombological Adaptations ¹ (Provide supportion
Herb Stratum (Plot size:) 1O MAT INFORMULA 2O MAT INFORMULA 3 4 5 6 7 8.			UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is \$3.01 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
Herb Stratum (Plot size:) 1			UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹
Herb Stratum (Plot size:) 1			UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants1 Problematic Hydrophytic Vegetation1 (Explain)
Herb Stratum (Plot size:) 1O MAT INFOMINA 2OITIMM AND NSA 3 4 5 6 7 8 9 10 11			UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is <3.01
Herb Stratum (Plot size:) 1(0 Mhr)hr (Mhr) 2(1 Mhr) hr (Mhr) 3 4 5 6 7 8 9 10	<u>99</u> <u>T</u> <u></u>	Total Cover	UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Herb Stratum (Plot size:) 1O MAT \arrow F MS 2O TIMM AND A F MADE 3 4 5 6 7 8 9 10	<u>99</u> <u>T</u> <u></u>	Total Cover	UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants1 Problematic Hydrophytic Vegetation1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Herb Stratum (Plot size:) 1	<u>99</u> <u>T</u> C	Total Cover	UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation
Herb Stratum (Plot size:) 1O (MAT)a & (M) 2 3 4 5 6 7 8 9 10 11 Woody Vine Stratum (Plot size:) 1	<u>99</u>	FAG	UPL species x 5 = Column Totals: (A) (A) (B) Prevalence Index = B/A = (B) Hydrophytic Vegetation Indicators: (A) 1 - Rapid Test for Hydrophytic Vegetation (B) 2 - Dominance Test is >50% (A) 3 - Prevalence Index is \$3.01 (B) 4 - Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) (C) 5 - Wetland Non-Vascular Plants1 (Explain) Problematic Hydrophytic Vegetation1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Yes No Vegetation
Herb Stratum (Plot size:) 1	<u>99</u> <u>T</u> <u></u> <u></u> <u></u> <u></u>	Total Cover	UPL species x 5 = Column Totals: (A) (A) (B) Prevalence Index = B/A = (B) Hydrophytic Vegetation Indicators: (A) 1 - Rapid Test for Hydrophytic Vegetation (B) 2 - Dominance Test is >50% (A) 3 - Prevalence Index is ≤3.01 (B) 4 - Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) (C) 5 - Wetland Non-Vascular Plants1 (Explain) Problematic Hydrophytic Vegetation1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Yes No

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ofile Description: (Describe to the dep	th needed to document the indicator or confirm	n the absence of	indicators.)
enth Matrix	Redox Features		
nches) Color (moist) %	Color (moist) % Type ¹ Loc ²	<u>Texture</u>	Remarks
J-IV ION 3h			
			· · · · · · · · · · · · · · · · · · ·
		· ····	
			······································
		·	
	· · · · · · · · · · · · · · · · · · ·		
vpe: C=Concentration, D=Depletion, RM	=Reduced Matrix, CS=Covered or Coated Sand G	Frains. ² Locat	ion: PL=Pore Lining, M=Matrix.
vdric Soil Indicators: (Applicable to al	LRRs, unless otherwise noted.)	Indicators	for Problematic Hydric Soils":
Histosol (A1)	Sandy Redox (S5)	2 cm M	Auck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red P	arent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1) Very S	Shallow Dark Surface (1F12)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other	(Explain in Remarks)
_ Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	3 Indiantera	of hydrophytic vegetation and
_ Thick Dark Surface (A12)	Redox Dark Surface (F6)	wetiand	hvdrology must be present.
Sandy Mucky Mineral (S1)	Depleted Dark Sunace (F7) Redex Depressions (F8)	uniess	disturbed or problematic.
Sandy Gleyed Matrix (S4)			•
estrictive Layer (it present).			
Type:		Hvdric Soil P	resent? Yes No
I ype: Depth (inches): temarks:	NO reduct tentures	Hydric Soil P	resent? Yes No
Type:	NO redox textures	Hydric Soil P	resent? Yes No
Pepth (inches): Pemarks: YDROLOGY Vetland Hydrology Indicators:	NO redox textures	Hydric Soil P	resent? Yes No
	NO VED UT FEATURES	Hydric Soil P	resent? Yes No
	NO VED OF FEATURES	Hydric Soil P	resent? Yes No
Type: Depth (inches): temarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2)	red; check all that apply) 	Hydric Soil P	resent? Yes No lary Indicators (2 or more required) atter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
Type: Depth (inches): temarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	NO VED OF FATH/48 red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Hydric Soil P	resent? Yes No lary Indicators (2 or more required) iter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10)
I ype: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	NO VED ON FEATURES red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Hydric Soil P	resent? Yes No lary Indicators (2 or more required) atter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2)
I ype: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requirSurface Water (A1)High Water Table (A2)Saturation (A3)Water Marks (B1)Sediment Deposits (B2)	NO VED ON FEATURES red; check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Sait Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1)	Hydric Soil P	resent? Yes No lary Indicators (2 or more required) atter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9
I ype: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	NO VED OF FATURES red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R	Hydric Soil P	resent? Yes No lary Indicators (2 or more required) atter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (CS comorphic Position (D2)
I ype:	NO VED OF FATURES	Hydric Soil P	resent? Yes No lary Indicators (2 or more required) iter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C8 comorphic Position (D2) allow Aquitard (D3)
Type:	NO VED ON FEATURES red; check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living R — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (Hydric Soil P	resent? Yes No lary Indicators (2 or more required) iter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C3 comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5)
Type:	NO VED ON FEATURES	Hydric Soil P Hydric Soil P Second Wa 	resent? Yes No lary Indicators (2 or more required) tter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C4 comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A)
Type:	NO VED ON FEATURES red; check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living R — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (— Stunted or Stressed Plants (D1) (LRR (B7) — Other (Explain in Remarks)	Hydric Soil P Hydric Soil P Second Wa 	resent? Yes No lary Indicators (2 or more required) atter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C4 comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) issed Ant Mounds (D6) (LRR A) post-Heave Hummocks (D7)
Type:	NO VED ON FEATURES red; check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living R — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (— Stunted or Stressed Plants (D1) (LRR (B7) — Other (Explain in Remarks) e (B8)	Hydric Soil P Hydric Soil P Second 	resent? Yes No lary Indicators (2 or more required) atter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C4 comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) tised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Type: Depth (inches): Remarks: YDROLOGY YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations:	NO VED ON FEATURES red; check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living R — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (— Stunted or Stressed Plants (D1) (LRR (B7) — Other (Explain in Remarks) e (B8)	Hydric Soil P 	resent? Yes No lary Indicators (2 or more required) atter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C8 comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
I ype:	NO VE d of faithers red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks) e (B8) Depth (inches):	Hydric Soil P	resent? Yes No lary Indicators (2 or more required) atter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C4 comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) tised Ant Mounds (D6) (LRR A) post-Heave Hummocks (D7)
Type:	NO VED ON FEATURES red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (Stunted or Stressed Plants (D1) (LRR (B7) Depth (inches): No Depth (inches):	Hydric Soil P	resent? Yes No lary Indicators (2 or more required) iter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C3 isomorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Type:	NO VED ON FEATURES	Hydric Soil P Hydric Soil P Second Wa 	resent? Yes No lary Indicators (2 or more required) iter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C3 isomorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Type:	NO VEd oth VEAD red; check all that apply)	Hydric Soil P Hydric Soil P Second Wa Wa Wa Wa Wa Wa Na Na Sa 	resent? Yes No lary Indicators (2 or more required) tter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C4 comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Type:	NO VEd oth VEAD red; check all that apply)	Hydric Soil P Second Second Second Ma Ma Ma Soots (C3) Ge Sh C6) FA A Ra C6) FA A Ra Sh C6) FA Sh C6) FA Sh C6] FA Sh C7 Sh	resent? Yes No lary Indicators (2 or more required) atter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C4 comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) tised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Type:	NO VED ON FEATURES	Hydric Soil P Second Second Wa 	resent? Yes No lary Indicators (2 or more required) tter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C4 comorphic Position (D2) allow Aquitard (D3) .C-Neutral Test (D5) lised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Type:	NO VED ON $feath/4s$ red; check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living R — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (— Stunted or Stressed Plants (D1) (LRR (B7) — Other (Explain in Remarks) = (B8) _ No \bigvee Depth (inches): W monitoring well, aerial photos, previous inspection $50 + \int S0 + \int C - G^{11}$	Hydric Soil P Second Second Wa 	resent? Yes No lary Indicators (2 or more required) iter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C3 isomorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) post-Heave Hummocks (D7)

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	ATA FORM – Western Mountai	
roject/Site: <u>SOCIELY TUN</u>	City/County: SAN Mi GU	IE COUNTY Sampling Date: 7/17/13
pplicant/Owner: <u>5MVC</u>		State: <u>CO</u> Sampling Point: <u>3</u>
vestigator(s): <u>MEHAN</u>	Section, Township, Range:	
andform (hillsiope, terrace, etc.):	Local relief (concave, conve	(, none): Slope (%):
ubregion (LRR):	Lat: Lon	g: Datum:
oil Map Unit Name:		NWI classification:
re climatic / hydrologic conditions on the site typical for	his time of year? Yes No	(If no, explain in Remarks.)
re Vegetation, Soil, or Hydrology	_significantly disturbed? Are "Norm	al Circumstances" present? Yes No
re Vegetation, Soil, or Hydrology	_naturally problematic? (If needed	, explain any answers in Remarks.)
UMMARY OF FINDINGS - Attach site ma	p showing sampling point locat	ions, transects, important features, etc
Hydrophytic Vegetation Present? Yes	No	1
Hydric Soil Present? Yes	No Is the Sampled Area	Yan No.
Wetland Hydrology Present? Yes	No Within a Wettand ?	
Remarks: This site Moy	hove loss its ww	star Source.
ł		
EGETATION - Use scientific names of pl	ints.	· · · · · · · · · · · · · · · · · · ·
	Absolute Dominant Indicator Do	minance Test worksheet:
<u>Free Stratum</u> (Plot size:)	<u>% Cover Species?</u> Status Nu	mber of Dominant Species
2	I i na	It Are OBL, FACW, or FAC: (A)
3	Tot	al Number of Dominant
4.	Spe	
······································	= Total Cover Th:	rcent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	Pre	valence Index worksheet:
1		Total % Cover of: Multiply by:
2	— — — — — — — — — — — — — — — — — — —	L species x 1 =
3		CW species x 2 =
f.		C species x 3 =
J	= Total Cover	CU species x 4 =
Herb Stratum (Plot size: _/)		L species x 5 =
1. CAREX ytriculation	<u>45 / 036 col</u>	umn Totals: (A) (B)
2. CITCIUM DIVENSO	- 10 FOC	Prevalence Index = B/A =
3. J. Maticus	- 45 V FOCH HY	drophytic Vegetation Indicators:
4	[1 - Rapid Test for Hydrophytic Vegetation
5		2 - Dominance Test is >50%
5. <u></u>		3 - Prevalence Index is ≤3.0'
8	— ——— —	 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
9.		5 - Wetland Non-Vascular Plants1
		Problematic Hydrophytic Vegetation ¹ (Explain)
10.		diastain of hudeic coil and welland hydrology must
10	¹ Inc	licators of hydric soil and wetland hydrology musi-
10 11	- <u>ION</u> = Total Cover	present, unless disturbed or problematic.
10	= Total Cover	present, unless disturbed or problematic.
10	= Total Cover Hy	drophytic
10	= Total Cover Hy	drophytic getation rsent? Yes No
10.		drophytic getation Yes No

-#

	th needed to document the indicat	tor or confirm t	he absence	of indicators.)
Me Description: (Describe to the dep	Redox Features			
ches) Color (moist) %	Color (moist) % Typ	e ¹ Loc ²	Texture	Remarks
$12 \times 10 \times n 3/2$	LIAN'S			Graphiles structure
10/10/12		·		
				·
		···· ······ -		
<u> </u>				·····
D. C	-Reduced Matrix, CS=Covered or C	oated Sand Grai	ins. ² Lo	cation: PL=Pore Lining, M=Matrix.
pe: C=Concentration, D=Depletion, RM	I RRs. unless otherwise noted.)		Indicat	ors for Problematic Hydric Soils ³ :
OFIC SOIL INDICATORS. (Applicable to an	Sandy Reday (S5)		2 0	m Muck (A10)
Histosol (A1)	Stripped Matrix (S6)		Re	d Parent Material (TF2)
Histic Epipedon (A2) Block Histic (A3)	Loamy Mucky Mineral (F1) (ex	cept MLRA 1)	Ve	ry Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleved Matrix (F2)	•	Ot	her (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)			
Thick Dark Surface (A12)	Redox Dark Surface (F6)		³ Indica	tors of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depieted Dark Surface (F7)		wet	land hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)		unie	ess disturbed or problematic.
strictive Layer (if present):				
Туре:				
Depth (inches):			Hydric So	il Present? Yes No/_
emarks:	pro redu	x fronthr	* <u>5</u>	
marks: DROLOGY	pro redu	x foothr	۹٢.	
Prinarks: POROLOGY Vetland Hydrology Indicators:	pro redu	x feathr	* <u></u>	
emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one requir	NO rcdi	k feathr	۶ <u>۲</u> کر . <u>Sec</u>	condary Indicators (2 or more required)
TOROLOGY Tetland Hydrology Indicators: rimary Indicators (minimum of one requir Surface Water (A1)	ed: check all that apply) Water-Stained Leaves (E	K festhr 19) (except	₹ <u>\$</u> <u>Ser</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
TOROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requir _ Surface Water (A1) _ High Water Table (A2)	ed; check all that apply) Water-Stained Leaves (E MLRA 1, 2, 4A, and 4	K feathr 19) (except 18)	₹ <u>\$</u> <u>Sec</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
marks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3)	ed: check all that apply) Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 Salt Crust (B11)	(except B) (except	₹ <u>\$</u> <u>Sec</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
marks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requir Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1)	ed; check all that apply) — Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B	29) (except 13)	۲ کے 	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
marks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ed; check all that apply) — Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B' — Hydrogen Sulfide Odor (K (month) 19) (except 18) 13) C1)	₹ <u>\$</u> <u>Sec</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5
marks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ed: check all that apply) — Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B' — Hydrogen Sulfide Odor (— Oxidized Rhizospheres a	K feathr 19) (except 18) 13) C1) 10ng Living Roo	 ✓ S. 	Condary 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 (CS Geomorphic Position (D2)
marks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ed; check all that apply) — Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B' — Hydrogen Sulfide Odor (— Oxidized Rhizospheres a — Presence of Reduced Inc	K feathr 19) (except 18) 13) C1) 10ng Living Roo In (C4)	 ✓ Sec 	condary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3)
marks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	ed; check all that apply) — Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B ² — Hydrogen Sulfide Odor (— Oxidized Rhizospheres a — Presence of Reduced Inc — Recent Iron Reduction in	K (so thr 19) (except 19) (except 13) C1) 13n C1) 13n C1) 1	 ✓ Sec — —<!--</td--><td>condary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)</td>	condary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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roject/Site: SUCIENY TURN	City/County: 50/	MIGUE Sampling Date: ///2/3
policant/Owner: SMVC		State: CO Sampling Point:4
vestigator(s): MEHON	Section, Township,	Range:
andform (hillslope, terrace, etc.): Next + c	5 LiVE Local relief (concav	re, convex, none)
ubregion (LRR):	Lat:	Long: Datum:
oil Mao Unit Name:		NWI classification:
re climatic / hydrologic conditions on the site typ	nical for this time of year? Yes No	o (if no, explain in Remarks.)
re Vegetation Soil or Hydrology	y significantly disturbed? A	re "Normal Circumstances" present? Yes No
re Vegetation Soil or Hydrology	v naturally problematic? (It	f needed, explain any answers in Remarks.)
UNINA DV OF FINDINGS Attach si	ito man showing sampling noin	t locations transects important features etc.
UMMART OF FINDINGS - Attach s	the map showing sampling point	/
Hydrophytic Vegetation Present? Yes _	V No ls the Samp	Ned Area
Wetland Hydrology Present? Yes _	No within a We	tland? Yes V No
Remarks:		
EGETATION – Use scientific names	s of plants.	or Deminance Test worksheet
Tree Stratum (Plot size:)	<u>Absolute</u> Dominant Indication <u>% Cover</u> <u>Species?</u> <u>Status</u>	Number of Dominant Species
1		That Are OBL, FACW, or FAC: (A)
2	······································	Total Number of Dominant
3		Species Across All Strata: (B)
4		Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:	= Total Cover	That Are OBL, FACW, or FAC: <u><i>LUU</i></u> (A/B)
1. JALIX 500	/0/	Total % Cover of Multiply by
2		OBI species x1=
3		FACW species x2 =
4		FAC species x3 =
5		FACU species x 4 =
Herb Stratum (Plot size:)		UPL species x 5 =
1. CARX YFACINISM	<u> </u>	Column Totals: (A) (B)
2		Prevalence Index = B/A =
3		Hydrophytic Vegetation Indicators:
4		2 1 - Rapid Test for Hydrophytic Vegetation
5		2 - Dominance Test is >50%
6		3 - Prevalence Index is ≤3.0
7		4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
ö.		5 - Wetland Non-Vascular Plants ¹
ə 10		Problematic Hydrophytic Vegetation ¹ (Explain)
11.		¹ Indicators of hydric soil and wetland hydrology must
· · · · · · · · · · · · · · · · · · ·	= Total Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:		
1		- Hydrophytic Vegetation
2	- Total Cover	Present? Yes No
% Rom Cround in Horb Stratum		
% Bale Glound in hero Statom		

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SOIL

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)enth Matrix			Redox Featu	res					•	
inches) Color (moist)	%	Color (mo	ist) %	Type1	Loc ²	Te	xture		Remarks	
)-10 10 Yr 4/	90 .	7:5XQ	<u> 7/2 TO</u>	$\overline{\mathbf{T}}$	M	Sa	1			
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vpe: C=Concentration. D=De	pletion RM=	Reduced Ma	trix CS=Cover	red or Coate	ed Sand G	irains.	21 O	cation: PI	=Pore Liping.	M=Matrix.
vdric Soil Indicators: (Appl	cable to all	LRRs. unles	s otherwise n	oted.)		and the second	Indicat	ors for Pro	blematic Hyd	Iric Soils ³ :
Histosol (A1)		Sandy R	edox (S5)	•			20	m Muck (A	10)	
Histic Enjoedon (A2)		Candy r.	Matrix (S6)				2 C Rei	I Parent M	ateriał (TF2)	
Black Histic (A3)		Loamy N	lucky Mineral ((F1) (excep	t MLRA 1) .	Ver	v Shallow	Dark Surface (TF12)
_ Hydrogen Sulfide (A4)		/Loamy G	leyed Matrix (F2)		- ·	Oth	er (Explair	in Remarks)	,
Depleted Below Dark Surfa	ce (A11)	V Depleted	Matrix (F3)	-					,	
_ Thick Dark Surface (A12)		Redox D	ark Surface (F	6)			³ Indicat	ors of hydr	ophytic vegeta	tion and
Sandy Mucky Mineral (S1)		Depleted	I Dark Surface	(F7)			wetia	and hydrolo	gy must be pi	esent,
Sandy Gleyed Matrix (S4)		Redox D	epressions (F8	B)			unle	ss disturbe	d or problema	tic.
estrictive Layer (if present):										,
Type: Depth (inches): emarks:		- Edox	FEATU	ras a	15	Hyd Vir r	lric Soi V	l Present?	Yes V	No
Type: Depth (inches): emarks:	<u>،</u>		Fratu	ras p	115	нуа Vĩr	tric Soi	I Present? ⊳ -∕Ū √	ves <u>V</u> dunte	No
Туре: Depth (inches): emarks:			Fratu	ias r	\./ €	Hya Vĩ r	Iric Soi	l Present? ヮークッ	ves <u>V</u> dunte	No
Type: Depth (inches): emarks:	- -		Fentu	1985 A	112	Hyd V€ſ	Iric Soi	l Present? ヮークル	ves <u>V</u>	No
Type: Depth (inches): emarks: /DROLOGY	- -		fentu	1985 p	<i>∖.</i> /€	Hyd Vir	1ric Soi Y	I Present? o -∕Ū √	ves <u>V</u> dunte	No
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators	- - -		Fratu	AS P	1.1.5	Hya Vĩr	1ric Soi	l Present? へつい	ves <u>V</u> dunte	No
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of	s: one required	ξ đυχ t; check all th	fentu at apply)	1995 A	<i>∖./</i> Ę	Hyd Vĩ r	Iric Soi Y	I Present? ヘー/リー/) ndary Indic	Yes V d W.V.C.C.	No
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of Surface Water (A1)	s: one required	 ξ ἀυχ 1; check all th Wat	At apply)	245 A aves (B9) (e	xcept	Ηγα V τ γ	Iric Soi Y Seco	I Present? ヘー/リー/ ndary India Water-Stair	Yes V d NNCC ators (2 or mo red Leaves (B	No
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of Surface Water (A1) High Water Table (A2)	s: one required	 ξ dυχ t; check all th Wa	at apply) ter-Stained Lea		a √€ except	нус V⁼r	1ric Soi Y <u>Seco</u>	I Present? م کل کی ndary India Vater-Stair 4A, and	Yes V d WWCC ators (2 or mo red Leaves (B 4B)	No
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of 	s: one required	 ξ dυχ t; check all th Wat Sat	at apply) ter-Stained Lea WLRA 1, 2, 4A	(4.) A aves (B9) (e , and 4B)	a √€ except	Hya Vĩ r	1ric Soi Y <u>Seco</u> 	I Present? م کل ک ndary India Vater-Stair 4A, and Drainage P	Yes V d WWCC d WWCC d Leaves (B 4B) atterns (B10)	No
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of 	S: one required	2 <u>; check all th</u> 	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) natic invertebra	4. A aves (B9) (e aves (B13)	a √€ except	нус V i r	<u>Seco</u>	I Present?	Yes V WWCC ators (2 or mo red Leaves (B 4B) atterns (B10) Water Table	No <u>ore required)</u> 9) (MLRA 1, (C2)
Type: Depth (inches): emarks: //DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of 	S: one required	t; check all th — Wat — Salt — Aqu — Hyo	at apply) ter-Stained Lea MLRA 1, 2, 4A t Crust (B11) natic invertebra lrogen Sulfide	A.S. F aves (B9) (e , and 4B) ates (B13) Odor (C1)	x.cept	Uτγ Vτγ	<u>Seco</u>	I Present?	Yes V WWCC ators (2 or mo red Leaves (B 4B) attems (B10) Water Table /isible on Aeri	No <u>ore required()</u> 9) (MLRA 1, (C2) al Imagery (C
Type: Depth (inches): emarks: TDROLOGY Tetland Hydrology Indicators rimary Indicators (minimum of 	s: one required	t; check all th	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) hatic invertebra lrogen Sulfide dized Rhizospl	aves (B9) (e aves (B9) (e and 4B) ates (B13) Odor (C1) heres along	xcept	Hya Vĩ r 	<u>Seco</u>	I Present?	Yes V ANCE ators (2 or monoscience) red Leaves (B 4B) atterns (B10) atterns (B10) atterns (B10) atterns (C) atterns (C) atter	No <u>ore required</u>) 9) (MLRA 1, (C2) al Imagery (C)
Type: Depth (inches): emarks: /DROLOGY /etiand Hydrology Indicators rimary Indicators (minimum of 	s: one required	t; check all th	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) natic invertebra lrogen Sulfide dized Rhizospl sence of Redu	aves (B9) (e aves (B9) (e aves (B13) Odor (C1) heres along iced iron (C	xcept	Hya Vir	<u>Seco</u>	I Present?	Yes V WWCC ators (2 or mo red Leaves (B 4B) atterns (B10) Water Table Visible on Aeri c Position (D2 uitard (D3)	No <u>ore required</u>) 9) (MLRA 1, (C2) al Imagery (C
Type: Depth (inches): emarks: DROLOGY Tetland Hydrology Indicators <u>rimary Indicators (minimum of</u> 	s: one required	2 Clox 2 Clox 2; check all th	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) natic invertebra trogen Sulfide dized Rhizospl sence of Redu xent Iron Redu	aves (B9) (e aves (B9) (e aves (B13) Odor (C1) heres along iced iron (C- ction in Tille	Living Ro 4) d Soils (C	Hya V ⊂ r 	<u>Seco</u>	I Present?	Yes V AVCC ators (2 or mo red Leaves (B 4B) atterns (B10) a Water Table /isible on Aeric c Position (D2 uitard (D3) al Test (D5)	No <u>ore required</u>) 9) (MLRA 1, (C2) al Imagery (C
Type: Depth (inches): emarks: DROLOGY fetland Hydrology Indicators <u>fimary Indicators (minimum of</u> 	s: one required	 ξ (10) χ t; check all th Wat Wat Salt Aqu Hyo Oxit Pre Rec Stu	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) hatic invertebra frogen Sulfide dized Rhizospl sence of Redu xent Iron Redu nted or Stresse	aves (B9) (e aves (B9) (e aves (B13) Odor (C1) heres along icced iron (C ction in Tille ed Plants (D	Eiving Ro 4) d Soils (C 01) (LRR /	Hya V € ↑ nots (C3 66)	<u>Seco</u>	I Present?	Yes V ANCE ators (2 or mo red Leaves (B 4B) atterns (B10) A Water Table Visible on Aeri c Position (D2 uitard (D3) at Test (D5) Mounds (D6)	No <u>ore required</u>) 9) (MLRA 1, (C2) ai Imagery (C) (LRR A)
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of 	s: one required	t; check all th	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) natic invertebra trogen Sulfide dized Rhizospl sence of Redu xent Iron Redu nied or Stresse er (Explain in I	aves (B9) (e aves (B9) (e , and 4B) ates (B13) Odor (C1) heres along iced iron (C- ction in Tille ed Plants (D Remarks)	Living Ro 4) ed Soils (C 201) (LRR /	Hya V T r oots (C3 66)	<u>Seco</u> <u>Seco</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u>	I Present?	Yes V ANCE ANCE attors (2 or ma red Leaves (B 4B) atterns (B10) a Water Table /isible on Aeri c Position (D2 uitard (D3) at Test (D5) Mounds (D6) e Hummocks (B A	<u>No</u> <u>ore required)</u> 9) (MLRA 1, (C2) al Imagery (C) (LRR A) (D7)
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of 	s: one required I Imagery (B7 ve Surface (B	t; check all th	at apply) ter-Stained Lea MLRA 1, 2, 4A t Crust (B11) natic invertebra trogen Sulfide dized Rhizospl sence of Redu xent Iron Redu nied or Stresse er (Explain in R	aves (B9) (e aves (B9) (e aves (B13) Odor (C1) heres along iced iron (C- ction in Tille ed Plants (D Remarks)	Living Ro 4) ed Soils (C 201) (LRR /	Hya V T r oots (C3 66)	<u>Seco</u>	I Present?	Yes V ANCE ANCE attors (2 or ma red Leaves (B 4B) atterns (B10) a Water Table /isible on Aeri c Position (D2 uitard (D3) at Test (D5) Mounds (D6) e Hummocks (B Automatic States)	<u>No</u> <u>ore required)</u> 9) (MLRA 1, (C2) al Imagery (C) (LRR A) (D7)
Type: Depth (inches): emarks: //DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of 	s: one required I Imagery (B7 ve Surface (E	t; check all th	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) natic invertebra lrogen Sulfide dized Rhizospl sence of Redu xent Iron Redu nited or Stresse er (Explain in R	aves (B9) (e aves (B9) (e aves (B13) Odor (C1) heres along iced Iron (C- ction in Tille ed Plants (D Remarks)	Living Ro 4) d Soils (C 01) (LRR /	Hya V i r oots (C3 6) 4)	<u>Seco</u>	I Present?	Yes V ANCE CANCE Control Control Control Control Control Control Control Control Control Control Control Control Co	No <u>ore required)</u> 9) (MLRA 1, (C2) at Imagery (C) (LRR A) (D7)
Type: Depth (inches): emarks: //DROLOGY /etiand Hydrology Indicators rimary Indicators (minimum of 	i Imagery (B7 ve Surface (E Yes)	t; check all th 	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) natic invertebra lrogen Sulfide dized Rhizospl sence of Redu cent Iron Redu- nited or Stresse er (Explain in R pth (inches):	aves (B9) (e aves (B9) (e aves (B13) Odor (C1) heres along iced iron (C ction in Tille ed Plants (D Remarks)	Living Ro 4) d Soils (C 01) (LRR /	Hya Vĩ r sots (C3 66)	<u>Seco</u>	I Present?	Yes V ators (2 or mo ators (2 or mo and Leaves (B 4B) atterns (B10) a Water Table Visible on Aerri c Position (D2 uitard (D3) at Test (D5) Mounds (D6) e Hurnmocks	No
Type: Depth (inches): emarks: //DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of 	I Imagery (B7 ve Surface (E Yes)	2 check all th	At apply) ter-Stained Lea MLRA 1, 2, 4A t Crust (B11) natic invertebra trogen Sulfide dized Rhizospl sence of Redu cent Iron Redu- nted or Stresse er (Explain in R pth (inches): pth (inches): _	aves (B9) (e aves (B9) (e aves (B13) Odor (C1) heres along iced iron (C ction in Tille ed Plants (D Remarks)	Living Ro 4) d Soils (C 01) (LRR /	Hya Vir oots (C3 6) A)	Seco <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u> <u>Seco</u>	I Present?	Yes V ANCE ators (2 or mo- red Leaves (B 4B) atterns (B10) atterns (B10) a	No
Type: Depth (inches): emarks: //DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of 	I Imagery (B7 ve Surface (E Yes f Yes f	ξ (10) χ t; check all th	at apply) ter-Stained Lea MLRA 1, 2, 4A t Crust (B11) natic invertebra lrogen Sulfide dized Rhizospl sence of Redu cent Iron Redu nited or Stressa er (Explain in R pth (inches): pth (inches): _ pth (inches): _	aves (B9) (e , and 4B) ates (B13) Odor (C1) heres along iced Iron (C- ction in Tille ed Plants (D Remarks)	Living Ro 4) d Soils (C b1) (LRR A	Hyd Vir	Second Second	I Present?	Yes V Yes V Yes V Yes V Yes V Yes V Yes V Yes V Yes V Yes V	No
Type: Depth (inches): emarks: //DROLOGY //etland Hydrology Indicators rimary Indicators (minimum of 	I Imagery (B7 ve Surface (E Yes f Yes f	₹ CLOX 5 CLOX 1: check all th Wat 	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) hatic invertebra dized Rhizospl sence of Redu cent Iron Redu- nited or Stresse er (Explain in R pth (inches): pth (inches): pth (inches):	aves (B9) (c aves (B9) (c and 4B) ates (B13) Odor (C1) heres along icced iron (C- ction in Tille ed Plants (D Remarks)	Living Ro 4) ed Soils (C b)1) (LRR /	Hyd Vir	Second Second	I Present?	Yes V ANCE attors (2 or mo red Leaves (B 4B) atterns (B10) Water Table Visible on Aeric c Position (D2 uitard (D3) at Test (D5) Mounds (D6) e Hurnmocks ? Yes	No <u>pre required</u>) 9) (MLRA 1, (C2) al Imagery (C) (LRR A) (D7) No
Type: Depth (inches): emarks: Tetland Hydrology Indicators fimary Indicators (minimum of 	I Imagery (B7 ve Surface (E Yes f Yes f m gauge, mo	₹ CLOX 5 Check all th 	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) hatic invertebra lirogen Sulfide dized Rhizospl sence of Redu zent Iron Redu nited or Stresse er (Explain in I pth (inches): pth (inches): pth (inches): pth (inches): pth (inches): pth (inches): pth (inches):	aves (B9) (e aves (B9) (e aves (B13) Odor (C1) heres along iced Iron (C- ction in Tille ed Plants (D Remarks)	Living Ro 4) d Soils (C 01) (LRR /	Hyd Vir oots (C3 6) 4)	ydrolog	I Present?	Yes V Yes V Ye	No
Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of 	I Imagery (B7 ve Surface (E Yes f Yes f Yes f	₹ 00 x 5 00 x 1; check all th 	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) natic invertebra lirogen Sulfide dized Rhizospl sence of Redu zent Iron Redu nied or Stresse er (Explain in I pth (inches): pth (inches): pth (inches): aerial photos,	Archine aves (B9) (e aves (B9) (e aves (B13) Odor (C1) heres along inced iron (C- ction in Tille ed Plants (D Remarks) previous ins	Except	Hyd Vir oots (C3 6) 4)	ydrolog	I Present?	Yes V Yes V	No <u>Dre required</u>) 9) (MLRA 1, (C2) at Imagery (C) (LRR A) (D7) No
Type: Depth (inches): emarks: DROLOGY fetiand Hydrology Indicators fimary Indicators (minimum of 	I Imagery (B7 ve Surface (E Yes f Yes f m gauge, mo	₹ (10) X 4: check all the second	at apply) ter-Stained Lea WLRA 1, 2, 4A t Crust (B11) natic invertebra trogen Sulfide dized Rhizospl sence of Redu xent Iron Redu inted or Stresse er (Explain in R pth (inches): pth (inches): pth (inches): pth (inches): pth (inches): pth (inches): pth (inches): pth (inches): pth (inches):	Aves (B9) (e aves (B9) (e aves (B13) Odor (C1) heres along icced iron (C ction in Tille ed Plants (D Remarks)	Eiving Ro 4) d Soils (C b)1) (LRR / wet spections)	Hya V T r Nots (C3 6) A)	Iric Soi Y Seco	I Present?	Yes V Yes V Ye	No <u>ore required)</u> 9) (MLRA 1, (C2) ai Imagery (C) (LRR A) (D7) No

WETLAND DETERMINATION DATA FOR	RM – Western Mountains, Valleys, and Coast Region Σ_{1}^{r}
Project/Site: SOCIETY TUIN Applicant/Owner SMVC	City/County: SAN M'GUEL COUNTY Sampling Date: 7/17/13 State: CO Sampling Point: 5
Investigator(s): MEHAN	Section, Township, Range:
Landform (hillslope, terrace) etc.): NEXT TU RIVE	_ Local relief (concave, convex, none) Slope (%):
Subregion (LRR): Lat:	Long: Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of y Are Vegetation, Soil, or Hydrology significantly	year? Yes No V (If πo, explain in Remarks.) Iy disturbed? Are "Normal Circumstances" present? Yes V No
Are Vegetation, Soii, or Hydrology naturally p	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showin	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	Is the Sampled Area within a Wetland? Yes No

VEGETATION – Use scientific names of plants.

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Remarks:

	Absolute	Dominant Indi	icator I	Dominance Test worksheet:	:	
Tree Stratum (Plot size:)	<u>% Cover</u>	Species? Sta	<u>atus</u> M	Number of Dominant Species	4	
1		·····	ר	That Are OBL, FACW, or FAC	; _	(A)
2			,	Total Number of Dominant	_	
3				Species Across All Strata:	2	(B)
4.						
		= Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC	x 100	(A/B)
	20		Ŧ	Prevalence Index workshee	t:	
1. <u>JAIN Spp</u>		_ <u>v</u>	_	Total % Cover of:	Multiply by:	_
2			c	OBL species	x 1 =	
3			r	FACW species	x 2 =	-
4		······································	;	FAC snecies	x3=	
5					× / =	-
1	~	= Total Cover	!		^+	-
Herb Stratum (Plot size:)	1000	-			x ɔ =	- (5)
1. Arencus	100	F2	orn	Column Totals:	(A)	_ (B)
2		·		Prevalence Index = B/A	.=	_
3		·	h	Hydrophytic Vegetation Ind	icators:	
4				\underline{V} 1 - Rapid Test for Hydrop	hytic Vegetation	
5	<u> </u>			2 - Dominance Test is >5	0%	
6.				— 3 - Prevalence Index is ≤	3.0 ¹	
7.				4 - Morphological Adapta	tions ¹ (Provide sum	oortina
8				data in Remarks or on	a separate sheet)	
9		· · · · · · · · · · · · · · · · · · ·	.	5 - Wetland Non-Vascula	r Plants ¹	
10		· · · · · · · · · · · · · · · · ·		Problematic Hydrophytic	Vegetation ¹ (Explai	n)
44			7	¹ Indicators of hydric soil and y	wetland hydrology n	nust
th	107	- Total Cave-	ļ I	be present, unless disturbed	or problematic.	
Woody Vine Stratum (Plot size:	100	_ Total Cover			,	
1				Undrophytic		
'		·	;	Vegetation //		
<u> </u>		- Total Cauca		Present? Yes	No	
% Bare Ground in Herb Stratum		_= Total Cover				
Remarks:					· · · · · · · · · · · · · · · · · · ·	
					· .	

Sampling Point: _

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Profile Description: (Describe to the d	epth needed to docum	ent the inc	licator o	r confirm (the absence	of indicators.)
Depth Matrix	Redox	(Features	Turnel	1 002	Toyture	Remarks
(inches) Color (moist) %	$\underline{- Color (moist)}$	<u></u>	TAD6.			SAAS AS WARE \$4
0-10 JOYA 4/1 40	- <u>+72215010</u>		C	101	Jac	JANE VI WOOF
•						·
						·
			<u> </u>	•		
				·		
					· · · · · · · · · · · · · · · · · · ·	
¹ Type: C=Concentration D=Depletion F	M=Reduced Matrix, CS	S=Covered	or Coate	d Sand Gra	ains. ² Lo	ocation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to	all LRRs, unless other	wise noted	1.)		Indicat	tors for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)			2 c	cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix	(S6)			Re	d Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mucky	vineral (F1)	(except	MLRA 1)	Ve	ry Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed	Matrix (F2)			Ot	her (Explain in Remarks)
Depleted Below Dark Surface (A11)	Pepleted Matrix	(F3)			311	tore of hydrophytic vegetation and
Thick Dark Surface (A12)	Redox Dark Su	rtace (F6) Curfore (F7	~		ingica wot	and bydrology must be present.
Sandy Mucky Mineral (S1)	Depleted Dark	SUNACE (F/	,		unle	ess disturbed or problematic.
Sandy Gleyed Matrix (S4)	redox Depress			<u> </u>		
Restrictive Layer (if present):						/
Туре:					Hydric So	No
Wetland Hydrology Indicators:						
Primary indicators (minimum of one requ	uired; check all that app	ly)			<u>Sec</u>	condary Indicators (2 or more required)
Surface Water (A1)	Water-Sta	ained Leave	es (B9) (e	except		Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	MLRA	1, 2, 4A, a	nd 4B)			4A, and 4B)
Saturation (A3)	Sait Crus	t (B11)				Drainage Pattems (B10)
Water Marks (B1)	Aquatic li	nvertebrate	s (B13)			Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydroger	n Sulfide Óc	lor (C1)		_	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized	Rhizospher	res along	Living Roo	ots (C3)	Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence	of Reduce	d iron (C	4)		Shallow Aquitard (D3)
Iron Deposits (B5)	Recent in	on Reductio	on in Till	ed Soils (Ce	3)	FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted of	or Stressed	Plants (01) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imager	y (B7) Other (E:	xplain in Re	marks)			Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surfa	ice (B8)					
Field Observations:						<i>1</i>
Surface Water Present? Yes	No 🗾 Depth (i	nches):				
Water Table Present? Yes	No Depth (i	inches):				
Saturation Present? Yes	🖌 No Depth (i	inches): 🧲		Wet	land Hydrol	ogy Present? Yes V No
(includes capillary fringe)					if quailabla:	
Describe Recorded Data (stream gaug	e, monitoring well, aena	il photos, pr	evious it	ispecuons),	, ir avaliaule.	
		17/2		1		
Remarks:	Coonte	a (102	5-6	1 MV5-		
4						
1						

Project/Site:	50CISty	TURN	City/	County: <u>51</u> 10 M	GUE COUNT	Y_ Sampling Date: 7 [7 13
pplicant/Owner:	SMVC				State: <u></u>	Sampling Point:6
nvestigator(s):	MEHAN		Sect	ion, Township, Rai	nge:	
andform (hillslope	, terrace, etc.):		Loca	al relief (concave, o	convex, none):	Slope (%):
Subregion (LRR): _			Lat:		_ Long:	Datum:
Soil Map Unit Nam	e:				/ NWI class	sification:
vre climatic / hydro	logic conditions o	n the site typical for	r this time of year?	Yes No 🔰	(If no, explain i	n Remarks.)
re Vegetation	, Soil,	or Hydrology	significantly distu	rbed? Are "	Normal Circumstance	s" present? Yes No
re Vegetation	, Soil,	or Hydrology	naturally problem	natic? (If ne	eded, explain any ans	swers in Remarks.)
SUMMARY OF	FINDINGS -	Attach site m	ap showing sa	mpling point le	ocations, transe	cts, important features, etc.
Hydrophytic Vege	tation Present?	Yes	No		•	/
Hydric Soil Prese	nt?	Yes		is the Sampled within a Wetlan	Area nd? Yes	NO
Wetland Hydrolog	y Present?	Yes	No <u> </u>			
Açinarka.		A150 13	patch	CP BOW	u anss	
			plo no	toiling	· · · · · · · · · · · · · · · · · · ·	<u> </u>
EGETATION	– Use scienti	fic names of p	lants.			
Trac Stratum (B			Absolute Do	minant Indicator	Dominance Test w	orksheet:
<u>Tree Stratum</u> (P	101 5128.)	<u>_%_Coverap</u>	edes: <u>Status</u>	Number of Dominar That Are OBL, FAC	nt Species) W. or FAC: (A)
2					Total Number of Do	minant I
3					Species Across All	Strata: (B)
4					Percent of Dominar	t Species / ((7)
Sapling/Shrub Str	ratum (Plot size:)	=T	otal Cover	That Are OBL, FAC	W, or FAC: <u>100</u> (A/B)
1					Prevalence Index	worksheet:
2				<u> </u>	OBI species	<u>v 1 =</u>
3				<u> </u>	FACW species	x 2 =
4	·			<u></u>	FAC species	x 3 =
5			 = T		FACU species	x 4 =
Herb Stratum (P	lot size:)	= ;	otal Covel	UPL species	x 5 =
1. J. Ar	chens		<u>/OV</u>		Column Totals:	(A) (B)
2				<u> </u>	Prevalence In	dex = B/A =
3	······				Hydrophytic Vege	tation Indicators:
4				· · · · · · · · · · · · · · · · · · ·	1 - Rapid Test	for Hydrophytic Vegetation
5					2 - Dominance	Test is >50%
6 7				·	4 - Morphologic	index is \$3.0 ral Adaptations ¹ (Provide supporting
8				······································	data in Rem	arks or on a separate sheet)
9					5 - Wetland No	n-Vascular Plants ¹
10			<u></u>	<u> </u>	Problematic Hy	drophytic Vegetation ¹ (Explain)
11					be present, unless	c soil and wetland hydrology must disturbed or problematic.
Woody Vine Stra	tum (Plot size:	١	= T	otal Cover		/
1					Hydrophytic	
2					Vegetation	V.V.N.
			= T	otal Cover	Present?	Tes NO
% Bare Ground in	n Herb Stratum				1	

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Sampling Point: _

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Profile Descrip	tion: (Describe t	o the dep	th needed to docum	nent the	indicator o	or confirm	the absence	e of indicators.)
Depth	Matrix		Redox	<u>x Feature</u>	es	2	T A	Pomarke
(inches)	Color (moist)	%	Color (moist)	%	<u></u>	CC		
6	10 X2 4/2		<u> </u>			. 	<u>Ja L</u>	
17	7.5XN312	TOD	2512416	S	U	M	Si	any in small post of moting
	<u>/////////////////////////////////////</u>							
			<u> </u>	·				
				_		<u> </u>		
	···		;·					
						<u> </u>	<u> </u>	·
						. · 		
Type: C=Con	centration, D=Depl	etion, RM	=Reduced Matrix, CS	S=Cover	ed or Coate	ed Sand Gr	ains. ² L	ocation: PL=Pore Lining, M=Matrix.
Hydric Soil Inc	dicators: (Application	able to all	LRRs, unless othe	rwise no	oted.)		Indica	tors for Problematic Hydric Solis":
- Histosol (A	(1)		Sandy Redox (S5)			2 (cm Muck (A10)
Histic Epip	edon (A2)		Stripped Matrix	(S6)			Re	ed Parent Material (TF2)
Black Histi	c (A3)		Loamy Mucky I	Mineral (I	F1) (except	t MLRA 1)	Ve	ery Shallow Dark Surface (TF12)
Hydrogen	Sulfide (A4)		Loamy Gleyed	Matrix (F	-2)		0	her (Explain in Remarks)
Depleted E	Below Dark Surface	e (A11)	Depleted Matrix	x (F3)			3	to a of huder als dia as a station and
Thick Dark	surface (A12)		Redox Dark Su	Inface (Fe	5)		Tindica	nors of hydrophytic vegetation and
Sandy Mu	cky Mineral (S1)		Depleted Dark	Surface	(F7) ``		wei	and nydrology must be present,
Sandy Gle	yed Matrix (S4)		Redox Depress	sions (F8	5}			
Restrictive La	yer (if present):							
Туре:		<u> </u>						
Depth (inch	es):						Hydric So	DIL Present? Yes NO
Remarks:					N	- .	,	Chie Salle (S
		(Eclox Teof	Na 1	91416	UCCh	11	THE IN SOIL(IN ELUMPS)
			NA	N N	NOG+ -	e the	i and	le '
			1.0.			י ויכ		
IYDROLOG	iY						<u> </u>	
Wetland Hydr	rology indicators:		ad: check all that and	alw)			Sec	condary Indicators (2 or more required)
Primary Indica	tors (minimum of c	one requir	eo, check all that app					Water-Stained Leaves (B9) (MLRA 1. 2.
Surface V	Vater (A1)		vvater-St	aineu Le	aves (ba) (ексері		AA and AB)
High Wate	er Table (A2)		MLRA	1, 2, 4 A	4 , and 4B)			4A, and 4D)
Saturation	n (A3)		Salt Crus	it (B11)				Drainage Patterns (BT0)
Water Ma	irks (B1)		Aquatic li	nvertebra	ates (B13)			Dry-Season water rable (C2)
Sediment	Deposits (B2)		Hydroger	n Sulfide	Odor (C1)	=		Saturation visible on Aenai Imagery (C9)
Drift Depo	osits (B3)		Oxidized	Rhizosp	heres along	g Living Ro	ots (C3)	Geomorphic Position (D2)
Aigal Mat	or Crust (B4)		Presence	e of Redu	uced fron (C	24)		Shallow Aquitard (D3)
iron Depo	osits (B5)		Recent li	ron Redu	uction in Till	ed Soils (C	.6)	FAC-Neutral Test (D5)
Surface S	Soil Cracks (B6)		Stunted	or Stress	ed Plants (i	D1) (LRR /	A)	Raised Ant Mounds (D6) (LRR A)
Inundatio	n Visible on Aerial	Imagery ((B7) Other (E	xplain in	Remarks)			Frost-Heave Hummocks (D7)
Sparselv	Vegetated Concav	e Surface	e (B8)					
Field Observ	ations:		1					
Surface Wate	r Present?	Yes	No V , Depth (inches):				· · · · · · · · · · · · · · · · · · ·
Mator Table 1	Procent?	Yes	No V / Depth (inches):				
	1000111:	· ••• Vee	No V Denth (inches).		 We	tland Hvdrol	logy Present? Yes No _/
Saturation Pro	esent? illary fringe)	165	_ no <u></u> pepu (
Describe Rec	corded Data (stream	m gauge,	monitoring well, aeria	al photos	, previous i	nspections), if available:	
	•							
Remarks:					ł	<u> </u>	11.	Lints I h
			Soil	バィ	1 dr	$1, P^{0}$	INT IC	10 CALCON
			(the second			17 I -	un cih	C RILLSA
1			t-at-1	PAS	to wi	11 000	TT SV	
								· ···

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WETLAND DETERMINATION DATA FOR	RM – Wester	n Mounta	ins, Valleys, a	nd Coast I	cegion	1
Project/Site: SUCIETY THIN	_ City/County: _	SON M	IGNE	Sampling	Date:[1/12
EMVC			State:	Sampling	Point: <u>2</u>	
Investigator(s):	Section, Towr	ship, Range:				
Landform (hillslope, terrace, etc.):	_ Local relief (C	oncave com	/ex, none):		Slope (%)	: 2
Subregion (LRR):		Lo	ong:		Datum:	
Soil Man Linit Name:			NWI class	ification:	······	
Are climatic / hydrologic conditions on the site typical for this time of y	year? Yes	No	(If no, explain i mal Circumstance	n Remarks.) s' present?	es N	lo 🖌
Are Vegetation, Soil, or Hydrology significant		(If poorde	d ovelais any an	wors in Rema	rke \	
Are Vegetation, Soil, or Hydrology naturally p	problematic?	(ii neeue	su, explain any ana			
SUMMARY OF FINDINGS - Attach site map showin	ng sampling	point loca	ations, transe	cts, import	ant feature	:s, etc.
Hydrophytic Vegetation Present? Yes V No Hydric Soil Present? Yes No V Wetland Hydrology Present? Yes No V	- Is the within	Sampled An a Wetland?	ea Yes _	No_	\checkmark	
Remarks: Water 15 Prom AN = Water 15 Arto Biciol	Firi Gotio	/ dite	h + powe	1,		
VEGETATION – Use scientific names of plants.						
Absolu	te Dominant I	ndicator D	ominance Test w	orksheet:		
Tree Stratum (Plot size:) % Cov 1		N	lumber of Dominal hat Are OBL, FAC	nt Species W. or FAC:	<u>2</u>	_ (A)
2		T	otal Number of Do Species Across All	minant Strata:	3	_ (8)
4		F	Percent of Dominal	nt Species	~7	
Saplino/Shrub Stratum (Plot size:)	= Total Cov	er T	That Are OBL, FAC	W, or FAC:	01	(A/B)
1.			Prevalence Index	worksheet:		
2		-	Total % Cover	of:	Multiply by:	
3.			OBL species	× [[=	

. 4	= Total Cover	Percent of Dominant Species That Are OBL FACW, or FAC: 67 (A/B)
Sapling/Shrub Stratum (Plot size:)		
		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
A.		FACW species x2 =
5		FAC species x 3 =
Y	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)		UPL species x 5 =
1. Pop protensis	<u> 25 - FAC</u>	Column Totals: (A) (B)
2. Richnes Crispin	- 10 FILW	Prevalence Index = 8/A =
3. VERNICO AMERICANA	IS V Fally	Hydrophytic Vegetation Indicators:
4. Epilobium ANGUITIONA		/ Dominance Test is >50%
5		T Prevalence Index is ≤3.01
6 7	······································	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8	·····	Wetland Non-Vascular Plants
9		Problematic Hydrophytic Vegetation ¹ (Explain)
10		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	= Total Cover	
Woody Vine Stratum (Plot size:)	37.5/15	Hydrophytic ,
2		Vegetation //
% Bare Ground in Herb Stratum	Total Cover	
Remarks:		

ت در ς.

SOIL

Sampling Point: _____

2 7 8

Depth	Matrix		Red	ox Feature	s -		T 1	** *****
(inches)	<u>Color (moist)</u>	<u>%</u>	Color (moist)	%	Type'	Loc	iexture	Remarks
<u> 2710 </u>	1012 42	100			. <u> </u>		L	
0-16	10 yr 3/2	90	10m 0/6	10	<u> </u>	<u>/vi</u>	L	
			· · · · ·					
			·····			*****		·······
						·		
Type: C=C	oncentration. D=Der	oletion, RM	Reduced Matrix, C	S=Covere	d or Coate	d Sand Gra	ains. ² Loc	ation: PL=Pore Lining, M=Matrix
lydric Soll	Indicators: (Applic	able to al	LRRs, unless othe	rwise not	ed.)		Indicator	rs for Problematic Hydric Soils ³ :
Histoso	I (A1)		Sandy Redox ((86)			2 cm	Muck (A10)
Histic E	pipedon (A2)		Stripped Matrix	(S6)			Red	Parent Material (TF2)
Black H	istic (A3)		Loamy Mucky	Mineral (F	1) (except	t MLRA 1)	Othe	r (Explain in Remarks)
Hydroge	en Sulfide (A4)		Loamy Gleyed	Matrix (F2	2)			
_ Deplete	d Below Dark Surfac	:e (A11)	Depleted Matri	x (F3)			9	الم المراجع ا
Thick D	ark Surface (A12)		Redox Dark St	urface (F6))		^a Indicator	rs of hydrophytic vegetation and
Sandy I	Mucky Mineral (S1)		Depleted Dark	Surface (I	=7).		wetlar	nd hydrology must be present,
Sandy (Gleyed Matrix (S4)		Redox Depres	sions (F8)			unless	s disturbed or problematic.
Restrictive	Layer (if present):	. —						
Type:								17
Depth (in	iches):						Hydric Soil	Present? Yes No
YDROLO)GY				-			
YDROLC)GY drology Indicators	• •						
YDROLC Wetland Hy Primary Ind	OGY drology Indicators icators (minimum of	: one require	ed; check all that app	<u>ly)</u>			Secon	dary Indicators (2 or more required)
YDROLC Wetland Hy Primary Ind	DGY rdrology Indicators icators (minimum of Water (A1)	: one require	ed; check all that app Water-Sta	liv) ained Leav	/es (B9) (e	•xcept MLF	<u>Secon</u>	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1,
YDROLC Netland Hy Primary Indi	DGY Indrology Indicators Icators (minimum of Water (A1) ater Table (A2)	: one require	ed; check all that app Water-Sta 1, 2, 4	liv) ained Leav A, and 48	ves (B9) (e	except MLR	<u>Secon</u> AW	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
YDROLC Wetland Hy Primary Indi V Surface High W Saturat	DGY Indrology Indicators Icators (minimum of Water (A1) ater Table (A2) ion (A3)	: one require	ed; check all that app Water-Sta 1, 2, 4 Salt Crus	ained Leav A, and 48 t (B11)	ves (B9) (e	xcept MLF	<u>Secon</u> AW	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10)
YDROLC Wetland Hy Primary Indi V Surface High W Saturat Water I	DGY Indrology Indicators Icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1)	: one require	ed; check all that app Water-Sta 1, 2, 4 Salt Crus Aquatic Ir	ained Leav A, and 48 t (B11)	ves (B9) (e)) es (B13)	xcept MLF	<u>Secon</u> tAW Di Di	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2)
YDROLC Wetland Hy Primary Indi V Surface High W Saturat Water N Sedime	DGY rdrology Indicators icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2)	: one require	ed; check all that app Water-Sta 1, 2, 4 Salt Crus Aquatic In Hydroger	ained Leav A, and 48 t (B11) hvertebrate h Sulfide O	res (B9) (e) es (B13) dor (C1)	xcept MLF	<u>Secon</u> XAW Di Di Si	idary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C
YDROLC Wetland Hy Primary Indi V Surface High W Saturat Water N Sedime Drift De	DGY rdrology Indicators icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) posits (B3)	: one require	ed; check all that app Water-Stu 1, 2, 4 Salt Crus Aquatic In Hydroger Oxidized	ained Leav A, and 48 t (B11) hvertebrate o Sulfide O Rhizosphe	ves (B9) (e i) es (B13) dor (C1) eres along	except MLF	<u>Secon</u> A W Di Di Si ts (C3) G	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2)
YDROLC Wetland Hy Primary Indi V Surface High W Saturat Water M Sedime Drift De Aloal M	DGY rdrology Indicators icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) posits (B3) at or Crust (B4)	: one require	ed: check all that app Water-Sta Salt Crus Aquatic In Hydroger Oxidized Presence	ained Leav A, and 48 t (B11) hvertebrate o Sulfide O Rhizosphe of Reduct	ves (B9) (e i) es (B13) dor (C1) eres along ed iron (C4	Eiving Roo	<u>Secon</u> (A W Di Di Si ts (C3) G Si	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) hallow Aquitard (D3)
YDROLC Wetland Hy Primary Indi Surface High W Saturat Water M Sedime Drift De Algal M Iron De	Control Contro	: one require	ed; check all that app Water-Sta Sait Crus Aquatic In Hydroger Oxidized Presence Recent in	ained Leav A, and 48 t (B11) hvertebrate o Sulfide O Rhizosphe of Reduct on Reduct	res (B9) (e i) dor (C1) eres along ed iron (C- ion in Tille	Eiving Roo 4) d Soils (C6	<u>Secon</u> (A W Di Di Si ts (C3) Gi Si Si	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5)
YDROLC Wetland Hy Primary Indi V Surface High W Saturat Water N Sedime Drift De Algal M Iron De Surface	Carlongy Indicators icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) posits (B3) at or Crust (B4) posits (B5) a Soil Cracks (B6)	; one require	ed; check all that app Water-Sta 1, 2, 4 Sait Crus Aquatic In Hydroger Oxidized Presence Recent in Stunted c	ained Leav A, and 48 t (811) hvertebrate o Sulfide O Rhizosphe of Reduct on Reduct or Stressed	res (B9) (e i) dor (C1) eres along ed Iron (C ion in Tille I Plants (D	Eliving Roo 4) d Soils (C6 01) (LRR A)	A Di Di Di Di Si ts (C3) Gi Si Si Si Si Si	idary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
YDROLC Wetland Hy Primary Indi V Surface High W Saturat Water N Sedime Drift De Algal M Iron De Surface	Carlongy Indicators icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) posits (B3) at or Crust (B4) posits (B5) coll Cracks (B6) ion Visible on Aerial	: one require	ad; check all that app Water-Sta Salt Crus Aquatic In Hydroger Oxidized Presence Recent in Stunted co 37) Other (F5)	ained Leav A, and 48 t (811) hvertebrate o Sulfide O Rhizosphe of Reduct on Reduct or Stressec colain in Re	res (B9) (e i) dor (C1) eres along ed Iron (C ion in Tille I Plants (D emarks)	Living Roo 4) d Soils (C6 01) (LRR A)	A Di Di Di Di Si ts (C3) Gi Si Fi Ri Fi	idary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
YDROLO Wetland Hy Primary Indi V Surface High W Saturat Water N Sedime Drift De Algal M Iron De Surface Inundal Sparse	DGY rdrology Indicators icators (minimum of i Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) at or Crust (B4) posits (B5) e Soil Cracks (B6) ion Visible on Aerial by Vegetated Concav	: one require lmagery (f	ed; check all that app 	ained Leav A, and 48 t (811) hvertebrate o Sulfide O Rhizosphe of Reduct on Reduct or Stressed cplain in Re	ves (B9) (e)) es (B13) dor (C1) eres along ed iron (C- ion in Tille I Plants (D emarks)	Living Roo 4) d Soils (C6 1) (LRR A)	A <u>Secon</u> A Di Di Si ts (C3) Gi Si) F/ Ri Fr	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
YDROLO Wetland Hy Primary Indi V Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inundat	OGY drology Indicators icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) posits (B3) at or Crust (B4) posits (B5) e Soil Cracks (B6) ion Visible on Aerial by Vegetated Concav rvations:	imagery (f	ed: check all that app Water-Sta 1, 2, 4 	ained Leav A, and 48 t (B11) hvertebrate o Sulfide O Rhizosphe of Reduct on Reduct or Stressed cplain in Re	res (B9) (e)) dor (C1) eres along ed Iron (C- tion in Tille i Plants (D emarks)	Living Roo 4) d Soils (C6 1) (LRR A)	<u>Secon</u> <u>A</u> W Di Di Si ts (C3) Gi Si Fi Fi	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
YDROLC Wetland Hy Primary Indi Variace High W Saturat Water N Sedime Drift De Algal M Iron De Surface Sparse Field Obse Surface Wa	OGY drology Indicators icators (minimum of. Water (A1) ater Table (A2) ion (A3) Marks (B1) mt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) soil Cracks (B6) ion Visible on Aerial ly Vegetated Concav rvations: ter Present?	imagery (l re Surface	ed: check all that app Water-Sta Sait Crus Aquatic In Hydroger Oxidized Presence Recent In Stunted co 37) Other (Ex) (B8)	ained Leav A, and 4B t (B11) hvertebrate of Sulfide O Rhizosphe of Reduct or Stressec cplain in Re procession	res (B9) (e) dor (C1) eres along ed iron (C- ion in Tille I Plants (D emarks)	Eiving Roo 4) d Soils (C6 1) (LRR A)	<u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Se</u>	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
YDROLC Wetland Hy Primary Indi V Surface High W Saturat Water N Sedime Drift De Algal M iron De Surface Inundal Sparse Field Obse Surface Water Teht	DGY rdrology Indicators icators (minimum of. Water (A1) ater Table (A2) ion (A3) Marks (B1) int Deposits (B2) iposits (B3) lat or Crust (B4) posits (B5) e Soil Cracks (B6) ion Visible on Aerial ly Vegetated Concav rvations: ter Present?	Imagery (f	ed: check all that app Water-Sta 1, 2, 4 Sait Crus Aquatic In Hydroger Oxidized Presence Recent ir Stunted co 37) Other (Exist) (B8) No Depth (in No Depth (in Depth (in 	ained Leav A, and 4E t (B11) hvertebrate of Sulfide O Rhizosphe of Reduct or Stressed (plain in Re- mches):	res (B9) (e) dor (C1) eres along ed iron (C4 ion in Title i Plants (D emarks)	Eiving Roo 4) d Soils (C6 01) (LRR A)	Secon tA W Di Si Si Si) F/ Ri Fr	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
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YDROLC Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Algal M Iron De Surface Inundal Sparse Field Obse Surface Wa Water Table Saturation Fi (includes ca Describe Re Remarks:	DGY drology Indicators icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) int Deposits (B2) iposits (B3) iat or Crust (B4) posits (B5) is Soil Cracks (B6) ion Visible on Aerial ty Vegetated Concav rvations: ter Present? Present? pillary fringe) ecorded Data (strear	Imagery (f ve Surface Yes Yes n gauge, m	ed: check all that app 	ained Leav A, and 48 t (B11) hvertebrate of Reduct on Reduct or Stressed (plain in Re- inches): hches): photos, p	res (B9) (e) as (B13) dor (C1) ares along ed Iron (C- ion in Tille I Plants (D emarks) (C revious ins Wation (N, 5 NH	Eiving Roo 4) d Soils (C6 11) (LRR A) 		dary Indicators (2 or more required) [ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? Yes No No No +WA)
YDROLC Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Algal M Iron De Surface Surface Wa Water Table Saturation F (includes cz Describe Ro Remarks:	DGY rdrology Indicators icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) sposits (B3) at or Crust (B4) posits (B5) e Soil Cracks (B6) ion Visible on Aerial Ny Vegetated Concav rvations: ter Present? Present? Present? poillary fringe) acorded Data (stream	Imagery (F ve Surface Yes Yes n gauge, m	ed: check all that app Water-Sta 1, 2, 4 Salt Crus Aquatic In Hydroger Oxidized Presence Recent ir Stunted c 37) Other (Ex 88) No Depth (in No	ained Leav A, and 4B t (B11) hvertebrate o Sulfide O Rhizosphe of Reduct on	res (B9) (e i) as (B13) dor (C1) ares along ed Iron (C ion in Tille I Plants (D emarks) (C C works w	Living Roo 4) d Soils (C6 11) (LRR A) 	Secon IA Di Di Di Si Gi Gi Si Si Si Fi	Idary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water-Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) alsed Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? Yes No No
YDROLC Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Algal M Iron De Surface Inundat Sparse Field Obse Surface Wa Water Table Saturation F (includes ca Describe Ro	DGY rdrology Indicators icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) sposits (B3) at or Crust (B4) posits (B5) e Soil Cracks (B6) ion Visible on Aerial Ny Vegetated Concav rvations: ter Present? Present? Present? pollary fringe) acorded Data (stream	Imagery (f ve Surface Yes Yes n gauge, n	ed: check all that app Water-Sta 1, 2, 4 Salt Crus Aquatic In Hydroger Oxidized Presence Recent ir Stunted co 37) Other (Ex 88) No Depth (in No	ained Leav A, and 4B t (B11) hvertebrate o Sulfide O Rhizosphe of Reduct on	res (B9) (e (B13) dor (C1) eres along ed iron (C ion in Tille i Plants (D emarks) (C C (C) revious ins (C)	Living Roo 4) d Soils (C6 11) (LRR A) 	Secon IA Di Di Di Si Gi Si Si Si Si Si	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) alsed Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) / Present? Yes No \mathcal{N}_0 \mathcal{FWA})

WETLAND DETERMINATION DATA F	DRM – Western Mountains, Vall	eys, and Coast Region
Project/Site SUCIENA TWN	City/County: SAN MIGUEA	Sampling Date: 2/ 67/13
	State:	Sampling Point:
prostigator(s): MEHON	Section, Township, Range:	······
andfarm (hillping) tarrace.etc.)	Local relief (concave, convex, none):	Slope (%):
	Long	Datum:
		WI classification:
foil Map Unit Name:	fyear? Yes No (If no e	xolain in Remarks.)
Are climatic / hydrologic conditions on the site typical for this taile	and the second s	stances" present? Yes / No
Are Vegetation Soli or Hydrology signing	Inity distribut: Are Roma, Steam	any apprecia Remarks)
Are Vegetation, Soil, or Hydrology hatural	problematic? (in needed, explaining	any auswers in Nonitano.)
SUMMARY OF FINDINGS - Attach site map show	ing sampling point locations, tr	ansects, important features, etc.
Hadmonhudic Venetation Present? Yes No		1
Hydric Soil Present? Yes No	Is the Sampled Area	Yes No
Wetland Hydrology Present? Yes No		
Remarks: 1 ar ats of NEXA	+ WOOF#7	
	······	
VEGETATION – Use scientific names of plants.	bit Deminant Indicates Deminance	Test workshopt
Abs Tree Stratum (Plot size:) %C	over Species? Status Number of F	Iominant Species
1	That Are OB	SL, FACW, or FAC: (A)
2	Total Number	er of Dominant u
3	Species Acr	oss All Strata: (B)
4:	Percent of 0	Dominant Species / () ()
a la later d'Aleter (Determine)	= Total Cover That Are OE	BL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size)	Prevalence	Index worksheet:
1 —	Total %	Cover of: Multiply by:
3	OBL specie	s x1=
4	FACW spec	xies x 2 =
· 5.	FAC specie	s ×3 =
	= Total Cover FACU spec	ies x 4 =
Herb Stratum (Plot size:)	O I IN UPL specie	s x5=
1. POA PLATENOS	Column Tot	als: (A) (B)
2. TOTALICUM CITICIANTE	Preva	lence Index = B/A =
	Hydrophyt	ic Vegetation Indicators:
	Domina	ance Test is >50%
D	Prevale	ence Index is ≤3.01
7	Morphe	ological Adaptations ¹ (Provide supporting
8		a In Remarks of on a separate sheety
9.	Wetan	matic Hydrophytic Venetation ¹ (Explain)
10		of hydric soil and wetland hydrology must
11	be present,	unless disturbed or problematic.
	Total Cover	
Woody Vine Stratum (Plot size:)	Hwirophy	tie /
11 <u></u>	Vegetation	
2	= Total Cover	¥85 NO
% Bare Ground in Herb Stratum		
Remarks.		

US Army Corps of Engineers

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rofile Description: (Describe to the	depth needed to document the indicator or confirm	the absence of indicators.)
ionth Adatriv	Redoy Features	· · · · · · · · · · · · · · · · · · ·
nches) Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture Remarks
D-15 INKAZA		T
	<u> </u>	
		······
	···	
<u></u>		
ve: C=Concentration D=Depletion	RM=Reduced Matrix, CS=Covered or Coated Sand Gr	ains. ² Location: PL=Pore Lining, M=Matrix.
dric Soil Indicators: (Applicable to	all LRRs. unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
Histopol (A1)	Sandy Paday (S5)	2 cm Muck (A10)
Histosof (A1)	Stringed Metrix (SS)	2 cit material (TE2)
Histic Epipedon (A2)	Supped Marix (SO)	Reo Falein Material (TF2)
Black Histic (A3)	Loamy Nucky Mineral (F1) (except MLKA 1)	
Hydrogen Suilide (A4)	Loamy Gleyed Matrix (F2)	
Depieted Below Dark Surface (A11) Depieted Matrix (F3)	St. the state of the
Thick Dark Surface (A12)	Redox Dark Sunace (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
strictive Layer (if present):		
Туре:		
Depth (inches):		Hydric Soil Present? Yes No
marks'	D 10 1. 15	
DROLOGY		
DROLOGY etland Hydrology Indicators:		
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one rec	uired; check all that apply)	Secondary Indicators (2 or more required)
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one rec Surface Water (A1)	uired; check all that apply)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2,
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Photo 1. Overview of the confluence of Remine Creek and the San Miguel River.



Photo 2. Wetland along Remine Creek.



Photo 3. Lateral from Remine Creek.

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Photo 4. Irrigation pond with wetland plants below.



Photo 6. Area at WDDF 3. Vegetation is beaked sedge and Baltic rush.



Photo 5. Area at WDDF 2.



Photo 7. Area at WDDF 4.

Bikis Water Consultants, LLC July 16, 2013

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Photo 8. Willow wetland along river.



Photo 9. Narrow wetland along south bank of river.



Photo 10. Narrow band of wetlands on north bank.