WETLAND DELINEATION REPORT SOCIETY TURN HIGHWAY 145 IMPROVEMENT PROJECT

SAN MIGUEL COUNTY, COLORADO

Originally submitted: August 2020 Revised and Updated: August 2022

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Wetland Delineation Report

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1.0 Executive Summary

This report update previous delineation efforts in 2015 (SPK-2008-01513) and 2020 to identify and characterize wetlands and other waters of the U.S. within Society Turn Parcel (Parcel) and the CDOT right-of-way along State Highway 145 adjacent to the Society Turn Parcel in San Miguel County, Colorado. 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)".

In summary, the results of this updated 2022 delineation report are fundamentally the same as results previously reported in the 2015 (SPK-2008-01513) and 2020 field investigations. The Society Turn parcel is relatively dry and the only wetlands on it are located along the San Miguel River and Remine Creek. Minor boundary refinements to the mapped wetland areas are incorporated based on observed conditions in 2022. The area of investigation has also been expanded to include the northside of Hwy 145 along the Remine Creek drainage, and additional willow wetlands were identified and delineated within this new area.

2.0 Introduction/Purpose

As stated above, this report is to update previous delineation efforts approved in 2015 (SPK-2008-01513) and 2020 field investigations in order to identify, delineate and describe the wetlands and other aquatic features in a study area that includes the Society Turn Parcel and adjacent CDOT right-of-way along State Highway 145 immediately north of the Parcel. The Parcel is owned by Genesee Properties, Inc., a Wyoming corporation (Genesee) who is going through the planning approval process with San Miguel County for mixed use development of the Parcel. Based on the preliminary development plans as they currently exist, improvements to State Highway 145 will be needed to accommodate traffic associated with development of the Society Turn Parcel.

2.1 Contact Information

Property owner:

Genesee Properties, Inc., a Wyoming corporation Colorado Department of Transportation

Agent:

SGM c/o Andrew Antipas Senior Ecologist 555 Rivergate Lane, Suite B4-82 Durango, CO 81301



Phone:970-384-9052 Email: andrewa@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.

This revised delineation report includes the area north of Hwy 145 within the CDOT right-of-way beginning just west of Remine Creek and heads east to 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 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 San Miguel Power Plant, offices and storage yards and park at the beginning of this road off the highway.

4.0 Description of the Revised Study Area – Existing Conditions

This revised delineation report now includes the area north of Hwy 145 within the CDOT right-ofway beginning just west of Remine Creek and heads east to the intersection of State Highway 145 and the 145 spur to Telluride. Willows and other hydrophytes occur along Remine Creek in the study area. Another area of willows also occurs to the east along the southern embankment of the highway. Review of aerial photographs from Google Earth indicates that these willows have existed there since at least from the late 1990s.

The entire study area is tributary to the San Miguel River, which is 250 to 500 feet south of the study area. The portion of Remine Creek within the study area flows in a deeply incised channel to the San Miguel River confluence, traversing the property from north to south with a channel length of approximately 330 feet. The Remine Creek channel consists of boulders and large cobbles with

very few hydrophytes, and patchy willow overstory. 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, 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 on the northside of the highway has imported material, including road base, since it is within the constructed highway right-of-way.

5.0 Methods

The original wetland delineation was completed by Dave Mehan of SGM. Mr. Mehan is a Professional Wetland Scientist with over 30 years of experience with wetland in the Rocky Mountain Region. Mr. Mehan completed the original wetland delineations for the Society Turn Parcel in 2008, with updates in 2014, and 2019. The delineations completed in 2008 and 2014 were confirmed by the Corps, and a Preliminary Jurisdictional Determination was issued in 2015 (SPK-2008-01513). In 2019, a supplementary report was prepared by Curtis Patillo of SGM investigating small areas of highway right-of-way adjacent to the original delineation area. During July of 2022, Alexander Nees and Andrew Antipas with SGM visited the study area and delineated wetlands within the CDOT right-of-way on the northside of Hwy 145 as identified in Figure 1, as well as revisiting the entire property and assessing all previously-mapped wetland areas within the Area of Investigation. Current conditions were compared to previously-recorded conditions, including the existing wetland delineation data forms (WDDFs) and mapped boundaries. This assessment specifically included the wetlands along Remine Creek south of the highway as well as the wetlands adjacent to the San Miguel River in the southeast corner of the parcel. The delineation report was again revised by Andrew Antipas for this submittal.

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).

New field work for this revised report was completed during July 15 and August 15, 2022, 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".

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 and 2020 delineations across the Society Turn Parcel. Figure 4 shows all wetlands within the study area, as well as the results of the supplemental delineation within the CDOT right-of-way on the northside of Hwy 145 completed July 2022. 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. WDDFs are included in Appendix A, and a new photolog for 2022 has been added to the previous photograph included in Appendix B. Appendix C contains the photolog for the 2019/2020 field investigations, and Appendix D contains WDDF's from the 2015 field work as well as the 2015 photos.

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 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 & 4 (2022 photos, Appendix B) 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 0.0242 acres north of the highway and 0.1553 acres south of the highway within the study area (Figure 4). It should be noted that this wetland continues along Remine Creek and salong 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 is characterized by WDDFs 6 and 7 and shown in photograph 7 (2022 photos, Appendix B), contains mostly willows (*Salix* spp.) which may be relics from years ago. The soil is a gravelly 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. However, San Miguel County regulations include all areas that support wetland vegetation even though they do not meet the Corps regulatory wetland definition. Figure 4 identifies these areas as a San Miguel County wetland.

The remainder of the study area along the CDOT right-of-way is uplands that includes disturbance from the highway in the form of road base and litter from passing vehicles. Photograph 6 (2022 photos, Appendix B) shows the western part of the study area. 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 2020 WDDFs 1, 2, 3 and 5.

6.3 Wetlands adjacent to the San Miguel River

Wetlands exist along the San Miguel River in the southeast portion of the Society Turn parcel. The wetland on the south bank of the San Miguel River near State Highway 145 (2015 WDDFs 4 and 5) is dominated by Baltic rush, beaked sedge and willows (2015 Photos 7 and 8, Appendix B). Hydric soil indicators include depleted matrix. A band of wetlands continues on the south bank to the western property line (Figure 4 and 2015 Photo 9). A band of wetlands also exists along a portion of the north bank, including where rock has been placed for bank protection (2015 Photo 10, Appendix B).

The area at WDDF 6 (2015) had hydrophytic vegetation but lacks hydric soil and wetland hydrology indicators (see 2015 Photos 5 and 6). This area is shown on Figure 4 as a San Miguel County Wetlands, but due to the lack of hydrology and aerobic soils (2022 Photo 13) does not meet the Corps regulatory definition of a wetland. This area is located above the river and does not have any wetland water sources. The wetland plants in this area may be a relic from when the area was wetter in the past. 2022 Photos 10, 11, 12, and 13 illustrate current conditions for the wetlands along the south bank of the San Miguel River.

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 (Mountain West)	Stratum
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	0.395	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
Wetland 2	PSS1C	37° 56' 55.77"N -107° 52' 40.4"W	0.224	Willow wetlands south of the San Miguel River at the southeastern portion of the Society Turn parcel
Total Wetlan Study Area	nds and Aquatic	Resources in	0.622	107° 52' 40.4"W

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









Map Legend



Study Area



Wastewater Plant Expansion Parcel

···· River/Stream

Soil Type



111 - Cryoborolls - Cryaquolls association, 0 - 5% slopes



167 - Ustorthents - Rock outcrop, 40 - 90% slopes, very stony

169 - Washboard - Rock outcrop complex, 20 - 90% slopes, very stony

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2022 Wetland Determination Data Forms

Appendix A - WDDF Data Forms

Appendix A

WETLAND DETERMINATION	DATA FOR	M – Western Mo	ountains, Valleys, and Coast Region
Project/Site Saciety TURN Porc	E - Road	City/County: 50N	MiGUEL Sampling Date: 4/25/19
Applicant/Owner: SMVC			State: O Sampling Point:
Investigator(s): MEHAN		Section, Township, F	Range:
Landform (hillstone torrace) ato : Sistin E of 1	Load	Local relief concave	Slope (%): 5
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Are climate / hydrologic conditions on the site typical to	r this time of ye	ar? tes <u>v</u> Nu	
Are vegetation, Soil, or Hydrology	significantly	disturbed? Ar	e Normal Circumstances present? Yes No
Are vegetation, Soil, or Hydrology	naturally pro	biematic? (II	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site m	ap showing	sampling point	t locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No_/		
Hydric Soil Present? Yes	_ No _/	is the Sampi within a Wet	ed Area land? Yes No Imm
Wetland Hydrology Present? Yes	_ No		
Remarks. $E_N \partial \partial \partial i \epsilon_0 \partial \beta$	relic (2 proning the	٠
VEGETATION Use scientific names of n	lants.		
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Tree Stratum (Plot size:)	<u>% Cover</u>	Species? Status	Number of Dominant Species
1. Populn 5 ArGustitalia	20	- FACW	That Are OBL, FACW, or FAC: (A)
2			 Total Number of Dominant
3			_ Species Across All Strata: (B)
4		- Total Cover	Percent of Dominant Species 331/
Sapling/Shrub Stratum (Plot size:)	20		That Are OBL, FACW, or FAC: (A/B)
1			Prevalence Index worksheet:
2			OBL species Y1 =
3			- FACW species x2=
4	·······		FAC species x 3 =
5			FACU species x 4 =
Herb Stratum (Plot size:)		_= Total Cover	UPL species x 5 =
1. Bronnes InErmis	<u> </u>	V UPL	Column Totals: (A) (B)
2. A chilles mille Polium	20	FACM	- Prevalence Index = B/A =
3. POA PLATENSIS	/0	FAC	- Hydrophytic Vegetation Indicators:
4		·	1 - Rapid Test for Hydrophytic Vegetation
5			_ 2 - Dominance Test is >50%
6	,		3 - Prevalence Index is ≤3.0'
8	<u></u>		4 - Morphological Adaptations' (Provide supporting 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
	70	= Total Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)		35/14	
1	·	· ·	- Hydrophytic
2		= Total Cover	Present? Yes No
% Bare Ground in Herb Stratum 30		- TULAT GUVEE	
Remarks:			ar at a the second s
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SOIL

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rofile Description: (Describe	to the depth n	eeded to document the indicate	or or confirm	the absence	of indicators.)	
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ype: C=Concentration, D=Dep	letion, RM=Rec	duced Matrix, CS=Covered or Coa	ated Sand Gra	ins. ² Loc	ation: PL=Pore Lining	g, M=Matrix.
ydric Soil Indicators: (Applic	able to all LRR	ts, unless otherwise noted.)		Indicato	rs for Problematic H	ydric Soils ³ :
Histosol (A1)		Sandy Redox (S5)		2 cm	n Muck (A10)	
_ Histic Epipedon (A2)		Stripped Matrix (S6)		Red	Parent Material (TF2)	
Black Histic (A3)	Browned	Loamy Mucky Mineral (F1) (exce	ept MLRA 1)	Very	Shallow Dark Surface	ə (TF12)
Hydrogen Sulfide (A4)		Loamy Gleyed Matrix (F2)		Othe	er (Explain in Remarks	5)
 Depleted Below Dark Surface Think Dark Surface 	æ (A11)	Depleted Matrix (F3)		3		
_ Inick Dark Surface (A12) Soudy Musiky Minoral (S1)	—	Redox Dark Surface (F6)		*Indicato	rs of hydrophytic vege	tation and
Sandy Gleved Matrix (S4)	—	Redox Depressions (E8)		wetta	na nyarology must be s disturbed or problem	present,
estrictive Laver (if present):				unes	s distanced of problem	iauc.
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temarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of c 	Imagery (B7) e Surface (B8) 'es No _ 'es No _ 'es No _	if dox ft a twites eck all that apply)	(except) ng Living Roots C4) lled Soils (C6) (D1) (LRR A) Wetlar inspections), if	<u>Secor</u> W D D Si Si Si Si Si R Fi Fi	Idary Indicators (2 or n /ater-Stained Leaves (4A, and 4B) rainage Patterns (B10) ny-Season Water Table aturation Visible on Ae eomorphic Position (D hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6 rost-Heave Hummocks y Present? Yes	nore required) B9) (MLRA 1, 2,) e (C2) erial Imagery (C9) 2) (LRR A) 5 (D7)
YDROLOGY Vetland Hydrology Indicators: 'rimary Indicators (minimum of c	Imagery (B7) e Surface (B8) 'es No 'es No	is dox features eck all that apply)	(except) ng Living Roots C4) Iled Soils (C6) (D1) (LRR A) Wetlar inspections), if	<u>Secor</u> W D D S S S S S S Fr Fr fr	Idary Indicators (2 or n /ater-Stained Leaves (4A, and 4B) rainage Patterns (B10) ny-Season Water Table aturation Visible on Ae eomorphic Position (D hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6 rost-Heave Hummocks y Present? Yes	nore required) B9) (MLRA 1, 2,) e (C2) erial Imagery (C9) 2) (LRR A) 5 (D7)
emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of c _ 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 _ Sparsely Vegetated Concav ield Observations: urface Water Present? Y /ater Table Present? Y aturation Prese	Imagery (B7) e Surface (B8) 'es No _ 'es No _	κε dox Fealures eck all that apply)	(except) ng Living Roots (C4) Iled Soils (C6) (D1) (LRR A) Wetlan inspections), if	Secor W D D D S S S S S Fr Fr Fr	Adary Indicators (2 or n /ater-Stained Leaves (4A, and 4B) rainage Patterns (B10) ny-Season Water Table aturation Visible on Ae eomorphic Position (D hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6 rost-Heave Hummocks y Present? Yes	nore required) B9) (MLRA 1, 2,) e (C2) erial Imagery (C9) (2) (LRR A) 5 (D7)
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- Society Track P. c.	- 1-12nd	the state of the s	Milling 1	ulation
Project/Site: JOGIETY TUIN FOIL	2 1001	City/County: <u>0.0 N</u>	mouer	Sampling Date: <u>712 11 1</u>
Applicant/Owner:			State: <u>U</u>	Sampling Point:
Investigator(s): INFANN		Section, Township, Ra	ange:	
Landform (hillstop) terrace, etc.): <u>1000 Konk</u>		Local relief concave,	convex, none):	Slope (%): <u>2. ()</u>
Subregion (LRR):	Lat:		_ Long:	Datum:
Soil Map Unit Name: <u>Croyoborolls-Cry</u> A	19N0112		NWI classific	ation:
Are climatic / hydrologic conditions on the site typical f	or this time of yea	ar? Yes No	(If no, explain in Re	emarks.)
Are Vegetation, Soil, or Hydrology	significantly	disturbed? Are	"Normal Circumstances" p	resent? Yes V No
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (If n	eeded, explain any answer	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site n	nap showing	sampling point	locations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes	No			1
Hydric Soil Present? Yes	No	Is the Sample	d Area	No
Wetland Hydrology Present? Yes	No/	within a wetta		NO <u> </u>
Remarks:				
VEGETATION – Use scientific names of	olants.		<u> </u>	
	Absolute	Dominant Indicator	Dominance Test work	sheet:
Tree Stratum (Plot size:)	<u>% Cover</u>	Species? Status	Number of Dominant Sp	pecies ?
1		·	That Are OBL, FACW, o	or FAC: (A)
2			Total Number of Domina	ant 5
۵ ۸		· · · · · · · · · · · · · · · · · · ·	Species Across All Stra	ta: (B)
·*·		= Total Cover	Percent of Dominant Sp	DECIES 60 (A/D)
Sapling/Shrub Stratum (Plot size:)	<u>_</u>		Prevalence Index work	ksheet
1. JAIJ Son	<u> </u>	1 2100	Total % Cover of:	Multiply by:
2. <u>RIDES ALTERM</u>	$\frac{\sqrt{0}}{\sqrt{0}}$	<u>t%C</u>	OBL species	x 1 =
3. RUSA WOOD STI		FQUM	FACW species	x2=
4 5		·	FAC species	x 3 =
······································	80	= Total Cover 40/16	FACU species	x 4 =
Herb Stratum (Plot size:)	· / •		UPL species	x 5 =
1. POA protents	<u> </u>		Column Totals:	(A) (B)
2. Bromus ingernis		V UPL	Prevalence Index	= B/A =
3. ACHTIZA MITE TOTANA			Hydrophytic Vegetatio	n Indicators:
4		·	Rapid Test for H	lydrophytic Vegetation
6		· · · · · · · · · · · · · · · · · · ·	2 - Dominance Tes	t is >50%
7.		·	4 - Morphological A	x is ≥3.0 .dantations ¹ (Provide supporting
8			data in Remarks	or on a separate sheet)
9	· · ·	·	5 - Wetland Non-Va	ascular Plants ¹
10		·	Problematic Hydrop	ohytic Vegetation ¹ (Explain)
11			¹ Indicators of hydric soil	and wetland hydrology must
Woody Vine Stratum (Plot size:	30	= Total Cover		
1.		1316	Budronbutto	
2		,	Vegetation	
		· · · · · · · · · · · · · · · · · · ·	Present? Yes	s No

= Total Cover

70 % Bare Ground in Herb Stratum _

Remarks: is a poor wetland indication . P. PINTENSIS

US Army Corps of Engineers

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ofile Description: (Describe to	the depth needed to document the indicato	or or confirm the absence of ir	dicators.)
epth <u>Matrix</u>	Redox Features		
ches) Color (moist) _	<u>%</u> Color (moist) % Type ¹	Loc ² <u>Texture</u>	Remarks
-10 184x 3/2 1	100	/00m	
			· · · · · ·
			·. ·
<u></u>			· · · · · · · · · · · · · · · · · · ·
pe: C=Concentration, D=Deple	etion, RM=Reduced Matrix, CS=Covered or Coa	ated Sand Grains. ² Location	n: PL=Pore Lining, M=Matrix.
dric Soil Indicators: (Applicat	ble to all LRRs, unless otherwise noted.)	Indicators fo	r Problematic Hydric Soils ³ :
_ Histosol (A1)	Sandy Redox (S5)	2 cm Mu	ck (A10)
_ Histic Epipedon (A2)	Stripped Matrix (S6)	mf Mt D A d) Ked Par	ent Material (TF2) Illow Dark Surface (TE12)
– Black Histic (A3) Hydrogen Sulfide (A4)	Loanty Mucky Mineral (F1) (exce	Other (E	(plain in Remarks)
_ Depleted Below Dark Surface	(A11) 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 h	/drology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless dis	turbed or problematic.
Type:			
Type,		Hudela Call Dea	cont? Yos No
marke:			
DROLOGY	VEry MOCKY. No red	lox teatures.	
DROLOGY etland Hydrology Indicators:	VEry MOCKY, NO red	lox features.	Indicators (2 or more required)
'DROLOGY fetland Hydrology Indicators: imary Indicators (minimum of one Surface Whiter (61)	e required; check all that apply)	OX FENTURES Secondar	Indicators (2 or more required)
'DROLOGY 'etland Hydrology Indicators: <u>rimary Indicators (minimum of one</u> Surface Water (A1) High Water Table (A2)	e required; check all that apply) Water-Stained Leaves (B9) WI RA 1, 2, 4A, and 4B)	OX FENTURES Secondar (except	Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2, and 4B)
'DROLOGY 'etland Hydrology Indicators: <u>'imary Indicators (minimum of one</u> Surface Water (A1) High Water Table (A2) Saturation (A3)	e required; check all that apply) Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	OX FEATURES. Secondar (except Water Drain:	<u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10)
'DROLOGY fetland Hydrology Indicators: <u>rimary Indicators (minimum of one</u> Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	e required; check all that apply) — Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13)	OX FEATURES. Secondar (except Water Drain: Dry-S	<u>Indicators (2 or more required)</u> -Stained Leaves (B9) (MLRA 1, 2, , and 4B) ige Patterns (B10) eason Water Table (C2)
'DROLOGY 'etland Hydrology Indicators: <u>'imary Indicators (minimum of one</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2)	e required; check all that apply) — Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sutfide Odor (C1)	OX + F\$,, + W + £ 5. Secondar (except Water Drain: Dry-S) Satur	Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2, , and 4B) Ige Patterns (B10) eason Water Table (C2) ttion Visible on Aerial Imagery (C9)
'DROLOGY 'etland Hydrology Indicators: rimary Indicators (minimum of one 	Le required; check all that apply) — Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alor	OX F≦n+ur£s.	<u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2, , and 4B) Ige Patterns (B10) eason Water Table (C2) Ition Visible on Aerial Imagery (C9) orphic Position (D2)
DROLOGY fetland Hydrology Indicators: timary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	e required; check all that apply) — Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alon — Presence of Reduced Iron (OX F\$A+Mr£s.	<u>Indicators (2 or more required)</u> -Stained Leaves (B9) (MLRA 1, 2, , and 4B) uge Patterns (B10) eason Water Table (C2) ttion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3)
DROLOGY etiand Hydrology Indicators: <u>timary Indicators (minimum of one</u> _ 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)	e required; check all that apply) — Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alon — Presence of Reduced Iron (— Recent Iron Reduction in Til	OX F\$A+MESS Secondar (except	Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2, , and 4B) Ige Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5)
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one 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)	e required; check all that apply) — Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alon — Presence of Reduced Iron (— Recent Iron Reduction in Til — Stunted or Stressed Plants of — Other (Function in Demetric)	OX FEATURES. Secondary (except Water Drain: Dry-S	Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) Ige Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A)
'DROLOGY retiand Hydrology Indicators: <u>rimary Indicators (minimum of one</u> 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 Im Sparsely Vegetated Concave S	e required; check all that apply) — Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alon — Presence of Reduced Iron (— Recent Iron Reduction in Til — Stunted or Stressed Plants of hagery (B7) — Other (Explain in Remarks) Surface (B8)	OX Image: Secondar (except	<u>Indicators (2 or more required)</u> -Stained Leaves (B9) (MLRA 1, 2, , and 4B) uge Patterns (B10) eason Water Table (C2) tition Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
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'DROLOGY 'etland Hydrology Indicators: imary Indicators (minimum of one	<pre>very rocky , no red e required; check all that apply) Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sutfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron (Recent Iron Reduction in Til Stunted or Stressed Plants of the summary (B7) Other (Explain in Remarks) Surface (B8) </pre>	OX F\$1+MT\$5.	<u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2, , and 4B) ge Patterns (B10) eason Water Table (C2) tition Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
'DROLOGY fetland Hydrology Indicators: fimary Indicators (minimum of one	VEry VCry VCry No rEd e required; check all that apply)	OX F\$A+MT\$L\$.	Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one 	VE-Y VC-Y VC-Y No rEd e required; check all that apply)	OX Image: Secondar (except	Planet Provide the second state of the second
DROLOGY atland Hydrology Indicators: mary Indicators (minimum of one 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 Im Sparsely Vegetated Concave S Ald Observations: rface Water Present? Yes turation Present? Yes cludes capillary fringe) Soribe Recorded Data (stream of	VE-Y NOCKY, NO red e required; check all that apply) Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron ((Recent Iron Reduction in Til Stunted or Stressed Plants hagery (B7) Other (Explain in Remarks) Surface (B8) s No Depth (inches): s No Depth (inches): Tauge, monitoring well_aerial photos_previous i	OX F\$A+MF\$s\$. Secondar (except Water (a Drain: Dry-S Drain: Dry-S Satur ng Living Roots (C3) Geom (C4) Shalk Iled Soils (C6) FAC-I (D1) (LRR A) Raise Frost- Wetland Hydrology Pr Inspections) if available:	<u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) eason Water Table (C2) tition Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one	VEry VCry VCry No rEd e required; check all that apply)	OX Image: Secondar (Secondar (<u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7) esent? Yes No
/DROLOGY /etfland Hydrology Indicators: rimary Indicators (minimum of one	<pre>very rocky , no red e required; check all that apply) Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron (Recent Iron Reduction in Til Stunted or Stressed Plants of stunted or Stressed Plants of Surface (B8) ss No Depth (inches): ss No Depth (inches): gauge, monitoring well, aerial photos, previous i </pre>	OX Image: Secondar (Secondar (<u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) eason Water Table (C2) tition Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
'DROLOGY 'etland Hydrology Indicators: timary Indicators (minimum of one	VEry NOCKY, NO red e required; check all that apply)	Q FSATURES.	<u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2, and 4B) uge Patterns (B10) eason Water Table (C2) ution Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7) esent? Yes No
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one _ 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 Im _ Sparsely Vegetated Concave S eld Observations: urface Water Present? Yes ater Table Present? Yes uturation Present? Secribe Recorded Data (stream g marks: $\delta \lesssim low $	VEry NOCKY, NO red e required; check all that apply)	OX FSATINESS Secondar (except Water (and the secondar (except Water (and the secondar Drains (b) Satur (c4) Shalk (led Soils (C6) FAC-I (D1) (LRR A) Raise Wetland Hydrology Pr inspections), if available:	<u>Indicators (2 or more required)</u> -Stained Leaves (B9) (MLRA 1, 2, and 4B)

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WETLAND DETERMINATION DA	ATA FORM -	Western Mou	ntains, Valleys, and Coast Region
Project/Site: SociEty TURN Porce	J-7COA d City/	County: JAN	NIGUEL Sampling Date: 4/15/19 State: CO Sampling Point: 3'
Investigator(s): MEHAN	Sect	ion, Township, Rai	nge:
Landform (hillslope) terrace, etc.): CrEEt (OON)	« Loc	al relief (concave, o	convex.none): Slope (%): 3
Subregion (LRR):	Lat:	•	Long: Datum:
Soil Map Unit Name: Crysborolls-Crysqu	olle	1	NWI classification:
Are climatic / hydrologic conditions on the site typical for th	is time of year?	Yes 📈 No _	(If no, explain in Remarks.) /
Are Vegetation, Soil, or Hydrology	significantly distu	Irbed? Are "	Normal Circumstances" present? Yes $_ \underbrace{\mathcal{V}}_{}$ No
Are Vegetation, Soil, or Hydrology	naturally problem	natic? (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sa	mpling point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes V Hydric Soil Present? Yes Yes Wetland Hydrology Present? Yes V	10 10 10 00	Is the Sampled within a Wetlar	Area hd? Yes No
Remarks: Located on bi	NK OP N	Emine cre	Elter.
			· · ·
VEGETATION – Use scientific names of plan	nts.	· · · · · · · · · · · · · · · · · · ·	······
Trae Stratum (Plot size:	Absolute Do	minant Indicator	Dominance Test worksheet:
	<u>% Cover _ Sp</u>	ecies _ Status_	Number of Dominant Species 2 (A)
2			Total Number of Deminent
3			Species Across Ail Strata: (B)
4			Percent of Dominant Species
Sanling/Shrub Stratum (Plot size)	= T	otal Cover	That Are OBL, FACW, or FAC: (80 / (A/B)
1. Julia 300	20	V ≥FAC	Prevalence Index worksheet:
2. ROSY Woodsii		FACU	<u>Total % Cover of:</u> <u>Multiply by:</u>
3			OBL species $x_1 = $
4			FAC species X3=
5	- <u></u> _		FACU species x4 =
Herb Stratum (Plot size:)	T = <u>() کي</u> = T	otal Cover 376	UPL species x 5 =
1. POA PLOTENSIS	80 V	Fuc	Column Totals: (A) (B)
2. Asmalina maximum	10	FAC	Prevalence Index = B/A =
3			Hydrophytic Vegetation Indicators:
4		······	1 - Rapid Test for Hydrophytic Vegetation
5		<u> </u>	∕2 - Dominance Test is ≥50%
7			3 - Prevalence Index is ≤3.0'
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
Mandu Mino Stratum (Distaire)	<u> </u>	otal Cover	
		4 \$/ fy	l Indeenhadie
2			Vegetation
Little 10		otal Cover	Present? Yes // No
Bare Ground In Herb Stratum Remarks	. place		
UZGSTOTIN	N LIGHT,	how ~	nnnauld.

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SOIL

Appendix A

rofile Description: (Describe	to the dent	h needed to docum	nenf the i	ndicator	or confirm	n the ab	sence of	indicato	rs.)	
enth Matrix	to the nehr	Roda to docum Roda	x Features	nuroator 1			JUNUU VI	παισαισ	,	
nches) Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Text	ure		Remar	ks
-10 10YN3/2	100					61 00	~~ _			
	<u> </u>		· · · · · · · · · · · · · · · · · · ·	·		·				
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										·
Vne: C=Concentration D=Det	letion. RM=	Reduced Matrix, CS	 S=Covered	I or Coate	d Sand G	irains	² Locati	on: Pi =	Pore Linin	n. M=Matrix.
ydric Soil Indicators: (Applic	able to all	LRRs, unless other	rwise note	ed.)	ia oana o	In	dicators	for Prob	lematic H	ydric Soils ³ :
_ Histosol (A1)		Sandy Redox (S5)				_ 2 cm N	luck (A10))	
_ Histic Epipedon (A2)		Stripped Matrix	(S6)				Red Pa	arent Mat	erial (TF2))
Black Histic (A3)		Loamy Mucky N	Mineral (F1	i) (except	t MLRA 1))	_ Very S	hallow D	ark Surfac	e (TF12)
_ Hydrogen Sulfide (A4)		Loamy Gleyed	Matrix (F2)			_ Other	Explain i	n Remarks	3)
 Depleted Below Dark Surface Thirds Dark Surface 	æ (A11)	Depleted Matrix	(F3)			3.	- alta - 1		1	taller !
_ TRICK Dark Surface (A12) Sandy Musicy Minaral (C1)		Redox Dark Su	пасе (F6) Surface /Г	7)		Υľ	nuicators	or nydrop	mytic vege	etation and
Sandy Gleved Matrix (S4)		Redox Depress	Sunace (P	0			wettaritt Boless c	isturhed	y must pe or problem	present, natic.
estrictive Layer (if present):										
Type:										. 1
Depth (inches):						Hydri	ic Soil Pr	esent?	Yes	NoV
		NO C	599X	•						
DROLOGY		NO (zdox 	•						
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of u	one requirec	N 6 (x0.p2	•			Seconda	ary Indica	tors (2 or r	nore required
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of _ Surface Water (A1)	s one requirec	N 6 (i; check all that appl Water-Sta	۶ d ۵)X (۱) (۱) (۱) (۱) (۱) (۱) (۱) (۱) (۱) (۱)	• • •s (B9) (e	xcept		Seconda	ary Indica er-Staine	tors (2 or r d Leaves (more required (B9) (MLRA 1
DROLOGY Vetland Hydrology Indicators rimary Indicators (minimum of Surface Water (A1) 	; one required	N 6 t; check all that appl Water-Sta MLRA	۶ d ð) ۱, 2, 4A, ε	es (B9) (e and 4B)	xcept		Seconda Wat	ary Indica er-Staine A, and 4	tors (2 or r d Leaves (B)	nore required (B9) (MLRA 1
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	; one reguirec	NI (i: check all that appl Water-Sta Salt Crust	۶ d ð). y) ined Leav 1, 2, 4A, ғ (B11)	, es (B9) (e and 4B)	xcept		Seconda Wat Dral	ary Indica er-Staine A, and 4 nage Pat	tors (2 or r d Leaves (B) terns (B10	more required (B9) (MLRA 1
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	; one required	N 6 t: check all that appl Water-Sta MLRA Salt Crust Aquatic In	5 d ò) ined Leave 1, 2, 4A, a (B11) vertebrate	• es (B9) (e und 4B) s (B13)	xcept		Seconda Wat Drai Dry	ary Indica er-Staine A, and 4 nage Pat Season V	tors (2 or r d Leaves (B) Vater Tabl	more required (B9) (MLRA 1)) le (C2)
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	sone requirec	N 6 t; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen	٤ d ۵) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Od	• es (B9) (e and 4B) s (B13) dor (C1)	xcept		Seconda Wat Dral Dry- Satu	ary Indica er-Staine A, and 4 nage Pat Season V iration Vi	tors (2 or r d Leaves (B) Vater Tabl sible on Ad	more required (B9) (MLRA 1)) ie (C2) erial Imagery
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	; one requirec	N 6 (t; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe	es (B9) (e and 4B) s (B13) dor (C1) res along	xcept Living Ro	ots (C3)	Seconda Wat Dral Dry- Satu Geo	ary Indica er-Staine A, and 4 nage Pat Season V iration Vi morphic	tors (2 or r d Leaves (B) terns (B10 Water Tabl sible on Ac Position (E	more required (B9) (MLRA 1)) le (C2) erial Imagery)2)
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of r Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	; one required	N 6 (t; check all that appl Water-Sta MLRA Salt Crust Aquatic In Aquatic In Oxidized F Presence	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4	xcept Living Ro 4)	ots (C3)	Seconda Wat Drai Dry- Satu Geo Sha	ary Indica er-Staine A, and 4 nage Pat Season V Iration Vi morphic Ilow Aqui	tors (2 or r d Leaves (B) terns (B10 Vater Tabl sible on Ac Position (E tard (D3)	more required (B9) (MLRA 1)) le (C2) erial Imagery)2)
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of i 	: one reguired	I: check all that appl U: check all that appl Water-Sta MLRA Salt Crust Aquatic In Aquatic In Hydrogen Oxidized F Presence Recent Ino	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reductio	es (B9) (e and 4B) s (B13) for (C1) res along d Iron (C4 on in Tille	xcept Living Ro 4) d Soils (C	ots (C3) 6)	Seconda Wat Dral Dry- Satu Gec Sha _ FAC	ary Indica er-Staine A, and 4 nage Pat Season Vi uration Vi morphic Ilow Aqui 2-Neutral	tors (2 or r d Leaves (B) Vater Tabl sible on Ad Position (E lard (D3) Test (D5)	more required (B9) (MLRA 1)) le (C2) erial Imagery)2)
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Provide a constraint of the second s	: one requirec one requirec lmagery (B7 e Surface (f	N 6 (; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp 38)	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks)	Living Ro 4) d Soils (C 1) (LRR 4	ots (C3) 6) 4)	Seconda Wat Drai Drai Dry- Satu Geo Sha FAC Rais Fros	ary Indica er-Staine A, and 4 nage Pat Season Vi aration Vi morphic Ilow Aqui -Neutral sed Ant M at-Heave	tors (2 or r d Leaves (B) terns (B10 Water Tabl sible on Ac Position (E lard (D3) Test (D5) iounds (D6 Hummock	more required (B9) (MLRA 1)) le (C2) erial Imagery D2) 2) 6) (LRR A) s (D7)
/DROLOGY /etland Hydrology Indicators /imary Indicators (minimum of / 	imagery (B7 e Surface (F	N 6 t: check all that appl Water-Sta MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38)	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce on Reduction Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks)	Living Ro 4) d Soils (C 1) (LRR 4	ots (C3) 6) 4)	Seconda Wat Dral Dry- Satu Gec Sha FAC Rais _ Fros	ary Indica er-Staine A, and 4 nage Pat Season V uration Vi: morphic low Aqui S-Neutral sed Ant M st-Heave	tors (2 or r d Leaves (B) terns (B10 Vater Tabl sible on Ac Position (E tard (D3) Test (D5) lounds (D6 Hummock	more required (B9) (MLRA 1)) le (C2) erial Imagery D2) 6) (LRR A) s (D7)
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of a	Imagery (B7 e Surface (I fes 1	N 6 t: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38)	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce on Reduction Stressed plain in Re ches):	es (B9) (e and 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D marks)	Living Ro 4) d Soils (C 1) (LRR 4	ots (C3) 6) 4)	Seconda Wat Dral Dral Dry- Satu Geo Sha FAC Rais Fros	ary Indica er-Staine A, and 4 nage Pat Season V Iration	tors (2 or r d Leaves (B) Vater Tabl sible on Ad Position (D lard (D3) Test (D5) iounds (D6 Hummock	more required (B9) (MLRA 1)) le (C2) erial Imagery D2) 6) (LRR A) s (D7)
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of a 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 Sparsely Vegetated Concavioled Observations: urface Water Present? //ater Table Present?	Imagery (B7 e Surface (I /es I	N 6 t: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38) No Depth (in Depth (in	x) ined Leave (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed oblain in Re ches): ches):	es (B9) (e and 4B) s (B13) for (C1) res along d Iron (C4 on in Tille Plants (D marks)	Living Ro 4) d Soils (C 1) (LRR 4	ots (C3) 6) 4)	Seconda Wat Drai Dry Satu Geo Sha FAC Rais Male	ary Indica er-Staine A, and 4 nage Pat Season V aration Vi: morphic llow Aqui c-Neutral sed Ant M st-Heave	tors (2 or r d Leaves (B) Vater Tabl sible on Ac Position (E tard (D3) Test (D5) lounds (D6 Hummock	more required (B9) (MLRA 1)) le (C2) erial Imagery (D2) 3) (LRR A) s (D7)
	Imagery (Bi e Surface (F fes I fes I	N 6 (1)	2 d oy ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches):	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks)	Living Ro 4) d Soils (C 1) (LRR 4	ots (C3) 6) A) land Hyd	Seconda Wat Drai Dry- Satu Gec Sha FAC Rais Mais Sha FAC	ary Indica er-Staine A, and 4 nage Pat Season V uration Vi morphic llow Aqui contral sed Ant M t-Heave Present?	tors (2 or r d Leaves (B) terns (B10 Vater Tabl sible on Ac Position (D Position (D tard (D3) Test (D5) lounds (D6 Hummock	more required (B9) (MLRA 1)) le (C2) erial Imagery (D2) 6) (LRR A) s (D7)
	Imagery (B7 e Surface (F /es I /es I /es I	N 6 (1)	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reduction Stressed olain in Reduction ches):	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks) 3 evious ins	Living Ro 4) d Soils (C 1) (LRR 4 	ots (C3) 6) A) Iand Hyc	Seconda Wat Drai Drai Satu Geo Sha FAC Rais Fros Irology F ble:	ary Indica er-Staine A, and 4 nage Pat Season V aration Vi: morphic llow Aqui -Neutral sed Ant M at-Heave Present?	tors (2 or r d Leaves (B) terns (B10 Water Tabl sible on Ac Position (D lard (D3) Test (D5) iounds (D6 Hummock	more required (B9) (MLRA 1)) le (C2) erial Imagery (D2) 6) (LRR A) s (D7)
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of figure) 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 Sparsely Vegetated Concave ield Observations: surface Water Present? Vater Table Present? vater Table Present? Saturation Present? Saturation Present?	Imagery (B7 e Surface (I /es I /es I n gauge, mo	No No	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches): ches): photos, pre	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks) 3 evious ins	Living Ro 4) d Soils (C 1) (LRR A Wet	ots (C3) 6) A) land Hyc	Seconda Wat Drai Dry Satu Geo Sha FAC Rais Fros Irology F	ary Indica er-Staine A, and 4 nage Pat Season V aration Vi: morphic llow Aqui c-Neutral sed Ant M st-Heave	tors (2 or r d Leaves (B) Vater Tabl sible on Ac Position (E tard (D3) Test (D5) lounds (D6 Hummock	more required (B9) (MLRA 1)) le (C2) erial Imagery (D2) 6) (LRR A) s (D7)
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of or 	Imagery (Bi e Surface (F res I res I res I ra gauge, mo	NO N	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches): photos, pro- the fill of the fill ches is the fill of the fill of the fill ches is the fill of the fill of the fill ches is the fill of the fill of the fill ches is the fill of the fill of the fill of the fill of the fill ches is the fill of the fill ches is the fill of the fil	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks) S evious ins	Living Ro 4) d Soils (C 1) (LRR A 	ots (C3) 6) A) land Hyc , if availa	Seconda Wat Drai Dry- Satu Sha FAC Rais Fros Irology F ble:	ary Indica er-Staine A, and 4 nage Pat Season Vi morphic llow Aqui S-Neutral sed Ant M st-Heave	tors (2 or r d Leaves (B) terns (B10 Water Table sible on Ac Position (D Position (D tard (D3) Test (D5) lounds (D6 Hummock	more required (B9) (MLRA 1 (B) ie (C2) erial Imagery (D2) 3) (LRR A) s (D7) No No
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of of 	Imagery (Bi e Surface (F (es) (es) (es) (es) (o) N +	NO N	Y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reduction Stressed plain in Re ches):	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks) S evious ins	Living Ro 4) d Soils (C 1) (LRR 4 wet spections)	ots (C3) 6) A) land Hyd , if availa	Seconda Wat Drai Dry- Satu Sha FAC Rais Fros	ary Indica er-Staine A, and 4 nage Pat Season V uration Vi: morphic llow Aqui -Neutral sed Ant M at-Heave Present?	tors (2 or r d Leaves (B) terns (B10 Water Tabl sible on Ac Position (D tard (D3) Test (D5) tounds (D6 Hummock	more required (B9) (MLRA 1 (B) le (C2) erial Imagery (D2) 6) (LRR A) s (D7) No No
/DROLOGY /etland Hydrology Indicators /imary Indicators /i	Imagery (B7 e Surface (B7 e Surface (B7 (es) (es) (es) (es) (es) (es) (es) (es)	NO N	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Reduce of Reduce of Reduce of Reduce of Reduce ches): ches): ches): photos, pro-	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks) C evious ins	Living Ro 4) d Soils (C 1) (LRR 4 Wet spections)	ots (C3) 6) A) land Hyd , if availa	Seconda Wat Dral Dral Dry Satu Geo Sha FAC Rais Fros Irology F ble:	er-Staine A, and 4 nage Pat Season V iration Vi: morphic llow Aqui -Neutral sed Ant M st-Heave	tors (2 or r d Leaves (B) terns (B10 Water Tabl sible on Ac Position (D lard (D3) Test (D5) iounds (D6 Hummock	more required (B9) (MLRA 1 (B) le (C2) erial Imagery (D2) 3) (LRR A) s (D7) No No
/DROLOGY /etland Hydrology Indicators rimary Indicators (minimum of or	Imagery (B7 e Surface (B /es I /es I /es I n gauge, mo	No Depth (in No Depth (in Initoring well, aerial	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed blain in Re ches): ches): ches): photos, pro	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tiller Plants (D marks) 3 evious ins	Living Ro 4) d Soils (C 1) (LRR 4 	ots (C3) 6) 4) land Hyc , if availa	Seconda Wat Dral Dral Dry- Satu Geo Sha FAC Rais Fros frology F ble:	er-Staine A, and 4 nage Pat Season Vi- morphic Ilow Aqui S-Neutral Sed Ant M St-Heave	tors (2 or r d Leaves (B) terns (B10 Vater Tabl sible on Ac Position (E tard (D3) Test (D5) iounds (D6 Hummock	more required (B9) (MLRA 1)) le (C2) erial Imagery D2) 3) (LRR A) s (D7) No No

WETLAND DETERMINATION DA		– Western Mou	ntains, Valleys, and Coast Region
Project/site: JOCIEty TURN Porce	1-ROAD CIT	V/County: JAN 1	MiGUEL Sampling Date: 4/25/19
Applicant/Owner: SMVC	-5	,	State: CO Sampling Point: 4
Investigator(s): MEHAN	Se	ction, Township, Rai	nge:
Landform (hillslope, terrace, etc.):	Lo	cal relief (concavé,	convex, none): Slope (%):
Subregion (LRR):	Lat:		_ Long: Datum:
Soil Map Unit Name: Croyolop-Olls- oryA	qualls	/////	NWI classification;
Are climatic / hydrologic conditions on the site typical for thi	is time of year?	'Yes 🖊 🔜 No 🔤	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly dis	turbed? Are "	Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	naturally proble	ematic? (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sa	ampling point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N Wetland Hydrology Present? Yes N	lo lo lo	Is the Sampled within a Wetlar	Area nd? Yes No
Remarks: Albumed Joils			•
VEGETATION – Use scientific names of plan	nts.		
Tree Stratum (Plot size:	Absolute D % Cover S	ominant Indicator	Dominance Test worksheet:
1,			That Are OBL, FACW, or FAC:
2			Total Number of Dominant /
3			Species Across All Strata: [[(B)
4.		Total Cover	Percent of Dominant Species (AC)
Sapling/Shrub Stratum (Plot size:)	ū		That Are OBL, FACW, or FAC: _/ _(/ (A/B)
1. JALIX SPP	<u> </u>	V ZFOC	Total & Cover of: Multiply by:
2			OBL species x1 =
3			FACW species x 2 =
5.			FAC species x 3 =
	80 =	Total Cover	FACU species x 4 =
$\frac{\text{Herb Stratum}}{\sqrt{2}} (\text{Plot size:} \underline{)}$	To	150()A	Colump Totals: (A) (B)
3.			Prevalence index = B/A =
4			1 - Rapid Test for Hydrophytic Vegetation
5			\underline{V}_2 - Dominance Test is >50%
6.	- · ·		3 - Prevalence Index is ≤3.0 ¹
8		·	4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
9			5 - Wetland Non-Vascular Plants ¹
10			Problematic Hydrophytic Vegetation ¹ (Explain)
11	<u></u>		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size)	<u> </u>	Total Cover	be present, driess distance of problematic.
1)			Hydrophytic
2			Vegetation
/#/s/ % Bate Ground in Herb Stratum (© ()	=	Total Cover	Present? Yes <u>/</u> No
Remarks: 40	nt wit	a i. 19	l
rno	SHIN MILL	WAZ ,	
		<i>4</i>	

US Army Corps of Engineers

Western Mountains, Valleys, and Coast -- Version 2.0

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Loc ² Texture Remarks G/ DA M
Loc ² Texture Remarks G DA h
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 crn Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) 2 Red Parent Material (TF2) LRA 1) V very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes
Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
LRA 1) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
"Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Hydric Soil Present? Yes No
Secondary Indicators (2 or more required)
ept Water-Stained Leaves (B9) (MLRA 1, 2,
4A, and 4B)
Drainage Patterns (B10)
Dry-Season Water Table (C2)
Saturation Visible on Aerial Imagery (C9)
ring Roots (C3) Geomorphic Position (D2)
Shallow Aquitard (D3)
Soils (C6) FAC-Neutral Test (D5)
(LRR A) Raised Ant Mounds (D6) (LRR A)
Frost-Heave Hummocks (D7)
Wetland Hydrology Present? Yes // No
ctions), if available:
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WETLAND DETERMINATION DATA FOR	RM – Western Mountains, Valleys, an	d Coast Region
Project/Site: SociEty TURN Porcel-1004	City/County: JAN MIGUEL	Sampling Date: 4/25/19
Applicant/Owner: <u>SMVC</u>	State: <u>CO</u>	Sampling Point:
Investigator(s): MEHAN	Section, Township, Range:	
Landform (hillslope, terrace, etc.): LOAd bANK	Local relief (concave, convex, none):	Slope (%): 20
Subregion (LRR): Lat:	Long:	Datum:
Soil Map Unit Name: Cryoburalls - Cryo QUONS	NWI classifi	cation:
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No (If no, explain in F	Remarks.)
Are Vegetation, Soil, or Hydrology significantly	/ disturbed? Are "Normal Circumstances"	present? Yes 🖊 No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Yes No		/
Hydric Soil Present? Yes No _//_/_	Is the Sampled Area	
Wetland Hydrology Present? Yes No	within a wetland? Yes	NO
Remarks: ON Steep Slupse NONG	hichway .,	
VEGETATION – Use scientific names of plants.		L

· · · · · · · · · · · · · · · · · · ·	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:)	<u>% Cover</u>	Species?	Status	Number of Dominant Species	
1	·		·	That Are OBL, FACW, or FAC: (A)	
2		-		Total Abunda as of Deusineut	
3.				Species Across All Strata: 2 (B)	
A.			·		
			·	Percent of Dominant Species 50	
Sanling/Shruh Stratum (Plot size:	·	_= Total Co	over	That Are OBL, FACW, or FAC: (A/B	3)
a Calle 500	50	V	2Fac	Prevalence Index worksheet:	
$1. \frac{1}{\sqrt{\lambda}} \frac{1}{\lambda^2} \frac{1}{\sqrt{\lambda^2}}$			<u></u>	Total % Cover of: Multiply by:	
2.			·	OBL species x 1 =	
3		·	·	FACW species x2=	
4					
5					
	50	= Total Co	over		
Herb Stratum (Plot size:)	113	- /		UPL species x 5 =	
1. Bromke inzomis	<u>70</u>	V .	UPL	Column Totals: (A) (B))
2. TOROXICAM OPPICINALS	10		FACY	Provolonco Index = B/A = 1 -r	
3.			· — ,	Hydronbytic Vacatation Indicatore:	-
A				A Donid Test for Hydrophytic Vegetation	
т С		••••••	• •		
0		·	·	2 - Dominance Test is >80%	
6			••	3 - Prevalence Index is ≤3.0'	
7		•••••	·	4 - Morphological Adaptations ¹ (Provide supportin	ıg 🛛
8		·	·		
9			·	5 - Wetland Non-Vascular Plants	
10				Problematic Hydrophytic Vegetation' (Explain)	
11				Indicators of hydric soil and wetland hydrology must	
	50	= Total Co	ver	be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)		50/	10		
1	-	- /	· · · · · · · · · · · · · · · · · · ·	Hydrophytic	
2. 1 .				Vegetation	
11981	_	= Total Co	ver	Present? Yes No V	
% Bare Ground in Herb Stratum					
Remarks: Man deal d.	the 1.	Hours	,	1	\dashv
I will a contract of the	11.4 00	11.0000			
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Profile Description: (Describe to the depth n Depth <u>Matrix</u> (inches) Color (moist) % (eeded to document the indicator or confirm Redox Features	the absence of indicators.)
Depth <u>Matrix</u> (inches) <u>Color (moist)</u> %	Redox Features	
(inches) <u>Color (moist)</u> % (
	Color (moist) % Type' Loc ²	Remarks
-12 1 <u>(VA 3/3,3 12 100</u>		<u> </u>
		· · · · · · · · · · · · · · · · · · ·
Type: C=Concentration, D=Depletion, RM=Re	duced Matrix, CS=Covered or Coated Sand Gr	ains. ² Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to all LRF	Rs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Match	Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7)	 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed on any blanching
Sandy Gieyed Matrix (S4)	Redox Depressions (F8)	uniess disturbed or problematic.
Type:		/
Type:	-	Hudrie Seil Bregent? Vee No.
Type: Depth (inches): Remarks:	-	Hydric Soil Present? Yes No _
YDROLOGY Vetland Hydrology Indicators:	-	Hydric Soil Present? Yes No
YDROLOGY Vetland Hydrology Indicators: 'rimary Indicators (minimum of one required; cf	- 	Hydric Soil Present? Yes No No Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; cf Surface Water (A1)	 	Hydric Soil Present? Yes No _i/ Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 1)
	neck all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Hydric Soil Present? Yes No _1/ Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one required; cf Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marka (P1)	neck all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatia Invariationa (B42)	Hydric Soil Present? Yes No Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Drui Second Meter Table (C2)
	 neck all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) 	Hydric Soil Present? Yes No Hydric Soil Present? Yes No Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imageny (C9)
YDROLOGY YUROLOGY YUROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; cf Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	- - - - - - - - - - - - - -	Hydric Soil Present? Yes No _i Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geometric Position (D2)
Type:	 <u>neck all that apply</u>) 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 Roo Presence of Reduced Iron (C4) 	Hydric Soil Present? Yes No
YDROLOGY Yetland Hydrology Indicators: Trimary Indicators (minimum of one required; of 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)		Hydric Soil Present? Yes No
Type:	 <u>neck all that apply</u>) 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 Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunded or Stressed Plants (D1) (LRR A) 	Hydric Soil Present? Yes No
Type:		Hydric Soil Present? Yes No Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Algebraic for present): Type: Depth (inches): emarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one required; cf 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 (B7) Sparsely Vegetated Concave Surface (B8)	 neck 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 Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 	Hydric Soil Present? Yes No
Algebra (In present): Type: Depth (inches): emarks: //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required; cf 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 (B7) Sparsely Vegetated Concave Surface (B8) ield Observations:	neck all that apply)	Hydric Soil Present? Yes No
Type:		Hydric Soil Present? Yes No _1 Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) Frost-Heave Hummocks (D7)
Type:		Hydric Soil Present? Yes No Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:		Hydric Soil Present? Yes No Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
Type:	neck all that apply)	Hydric Soil Present? Yes No Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

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old Willow, the the EastAppendix A

WETLAND DE	TERMINATION E	DATA FORM -	Western Mountair	ns, Valleys, an	d Coast Region
Project/Site: JociEty 7	urn Porca	=] - KON 9 City/	County: JAN Mil	suel	_ Sampling Date: 4/25/19
Applicant/Owner:	NC			State: <u>CO</u>	_ Sampling Point:
Investigator(s): <u>MEHAI</u>	1	Secti	on, Township, Range: _	1	
Landform (billslope, terrace, etc.):	road bad	Loca	il relie (concavé, conve	x, none):	Slope (%): <u>}</u>
Subregion (LRR):		Lat:	Lon	g:	Datum:
Soil Map Unit Name:					cation:
Are climatic / hydrologic conditions	on the site typical for	this time of year? `	/es _/ No	(If no, explain in i	Remarks.)
Are Vegetation, Soil	, or Hydrology	_ significantly distu	rbed? Are "Norm	al Circumstances"	present? Yes V. No
Are Vegetation, Soil	, or Hydrology	_ naturally problem	atic? (If needed,	, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS -	- Attach site ma	p showing sar	npling point locat	ions, transect	s, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes	No
Remarks:	olid, mostly	dand will	IONS ON S.	Alohmoy	emboukment
VEGETATION - Use scien	tific names of pla	ants.			

	Absolute	Dominant Indicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size:) 1	<u>% Cover</u>	<u>Species?</u> <u>Status</u>	Number of Dominant Species	(A)
2			Total Number of Dominant	
3			Species Across All Strata:	(B)
4			Percent of Deminent Species (A. C.	
		= Total Cover	That Are OBL, FACW, or FAC:	(A/B)
Sapling/Shrub Stratum (Plot size:)	08	ZEAR	Prevalence Index worksheet:	
			Total % Cover of:Multiply by:	_
2. UNNISCUT			OBL species x 1 =	_
3		· ·	FACW species x 2 =	
4			FAC species x 3 =	
5	- ~ ~ ~		FACU species x4 =	`
Horb Strotum (Plot size:	<u> </u>	= Total Cover	UPL species x 5 =	
		30/12	Column Totals: (A)	(B)
1 2		·		,
3			Prevalence index = B/A =	-
۵		·······	Hydrophytic vegetation indicators:	
P		t	1 - Rapid Test for Hydrophytic Vegetation	
0			V 2 - Dominance Test is >50%	
0		·	3 - Prevalence Index is ≤3.0'	
· ·		• • • • • • • • • • • • • • • • • • •	4 - Morphological Adaptations' (Provide supp	orting
8		·	5. Wetland Non Vacutar Plants ¹	
9			Broblematic Hydrophytic Veretation ¹ (Explain	
10			¹ Indiantora of hydrig poil and wailand hydrology m	"
11		· ·	be present, unless disturbed or problematic.	usi
Moody Vine Stratum (Plot size)		≓ Total Cover	· · · · · · · · · · · · · · · · · · ·	
1				
2		·	Vegetation	
Z		- Total Cover	Present? Yes No No	
% Bare Ground in Herb Stratum	<u></u>			
Remarks: Antest of chillenter a ce	dend 1	I late A la	of up little Collend hondche	<u>(</u>)
WOLL A MILLOW X12	MENUY (scyline i n n	or or find from orbitors	¥.
	÷			
				Dogo

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IL			58	
ofile Description: (Describe to the dep	pth needed to document the indicator or	confirm the abs	ence of indicato	rs.)
epth <u>Matrix</u>	Redox Features	<u> </u>		
$\frac{1}{1} = \frac{1}{1} = \frac{1}$	<u>Color (moist)</u> % Type	Loc lextu		Remarks
1-10 1010-13,912 100	·	<u> </u>	<u>m hoid</u>	to all pit
ii				•
	·			
,,	·			······
	· · · · · · · · · · · · · · · · · · ·			
vpe: C=Conceptration D=Depletion RM	/=Reduced Matrix_CS=Covered or Coated :	Sand Grains	² Location: PI =	Pore Lining M≃Matrix
vdric Soli Indicators: (Applicable to al	LRRs. unless otherwise noted.)	Ind	icators for Prob	lematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)		2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)		Red Parent Mat	erial (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except M	(LRA 1)	Verv Shallow Da	ark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleved Matrix (F2)		Other (Explain i	n Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)		·	'
Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Inc	licators of hydrop	hytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		wetland hydrolog	y must be present,
_ Sandy Gleyed Matrix (S4)	Redox Depressions (F8)		unless disturbed	or problematic.
estrictive Layer (if present):				
Туре:				
Depth (inches):		Hydric	Soil Present?	Yes No 🗸
	NO rsdox -features.			
OROLOGY VDROLOGY	NO ISOUX -FEATURES.			
Pmarks: DROLOGY Petland Hydrology Indicators: imary Indicators (minimum of one required)	ND IS dox -features.		Secondary Indica	tors (2 or more required)
Pmarks: DROLOGY Petland Hydrology Indicators: Imary Indicators (minimum of one required Surface Water (A1)	ND IS dox -f Entwits.	ept	Secondary Indica	tors (2 or more required) d Leaves (B9) (MLRA 1, 2,
Pmarks: DROLOGY Setland Hydrology Indicators: Surface Water (A1) High Water Table (A2)	∧D rs dox -{ɛֵּהָ+ׁשִׁרַנָּבָּ <u>ed; check all that apply)</u> Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B)	ept _	Secondary Indica Water-Staine 4A, and 4	lors (2 or more required) d Leaves (B9) (MLRA 1, 2, B)
'DROLOGY 'etland Hydrology Indicators: imary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) _ Saturation (A3)	ND IS dOX -{E _A +WIES. <u>ed; check all that apply)</u> Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	ept	Secondary Indica Water-Staine 4A, and 4 Drainage Pat	t <u>ors (2 or more required)</u> d Leaves (B9) (MLRA 1, 2, B) terns (B10)
'DROLOGY 'etland Hydrology Indicators: imary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	NØ IS dOX -fEntwits. ad; check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	ept	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V	l <u>ors (2 or more required)</u> d Leaves (B9) (MLRA 1, 2, B) terns (B10) Vater Table (C2)
Pmarks: DROLOGY fetland Hydrology Indicators: <u>imary Indicators (minimum of one require</u> Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ND IS dOX -fEntwits. ed; check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	ept	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season Vi Saturation Vis	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Water Table (C2) sible on Aerial Imagery (C9)
 Parantes: Para	NØ IS dOX -{E _N +WIES. ed; check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv	ept	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I	lors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2)
PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required)	NØ IS dOX -{EA+WIES. ed; check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4)	ept	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Via Geomorphic I Shallow Aqui	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3)
PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required)	NØ IS dOX -{EA+WIES. ed; check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	ving Roots (C3)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5)
PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required)	NØ IS dOX -{E _A +WIES. ed; check all that apply)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season Vis Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) Jounds (D6) (LRR A)
Processing 2 2 2 2 3 3 4 4	NØ IS dOX -{E _A +WIES. ed; check all that apply)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)
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DROLOGY fetland Hydrology Indicators: imary Indicators (minimum of one required)	NØ IS dOX -{EA+WIES. ed; check all that apply)	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
DROLOGY fetland Hydrology Indicators: imary Indicators (minimum of one required)	NØ IS dOX -{EA+WIES. ed; check all that apply)	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)
PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required)	NØ IS dOX -f € ∩ + № / € S. ed; check all that apply)	ving Roots (C3)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Via Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required)	NØ IS dOX -f € ∩ + № / € S. ad; check all that apply)	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)
PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required)	NØ IS dOX -{E∧+WIES. ed; check all that apply)	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one require _ 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 (B _ Sparsely Vegetated Concave Surface eld Observations: urface Water Present? Yes /ater Table Present? Yes aturation Present? Yes acturation Present? Yes acturation Present? Yes meludes capillary fringe)	NØ IS dOX -{E∧+WIES. ed; check all that apply)	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7) Yes No
'DROLOGY (etland Hydrology Indicators: imary Indicators (minimum of one required)	NO rs dox f Enter MIES. ed; check all that apply)	ept	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7) Yes No
PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required)	$\frac{A}{D} = \frac{A}{C} $	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Via Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) iounds (D6) (LRR A) Hummocks (D7) Yes No
emarks: DROLOGY etland Hydrology Indicators: imary 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 (E Sparsely Vegetated Concave Surface ield Observations: urface Water Present? Yes fater Table Present? Yes faturation Present? Yes aturation Present? Yes fater Table Present? Yes meludes capillary fringe) escribe Recorded Data (stream gauge, memarks: South Fater South Fate	NØ IS dOX -f € ∩ + № / € S. ed; check all that apply)	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) iounds (D6) (LRR A) Hummocks (D7) Yes No
emarks: DROLOGY etland Hydrology Indicators: imary 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 (B Sparsely Vegetated Concave Surface eld Observations: urface Water Present? Yes faturation Present? Yes aturation Present? Yes escribe Recorded Data (stream gauge, m emarks: South Table Factors (Stream gauge, m	$\frac{\text{Add } \text{is dex} - \frac{1}{2} \text{Ext} \text{WIES}.$ $\frac{\text{ed; check all that apply)}{2}$ $\frac{\text{Water-Stained Leaves (B9) (exc} \text{MLRA 1, 2, 4A, and 4B)}{2}$ $\frac{\text{Salt Crust (B11)}{2}$ $\frac{\text{Aquatic Invertebrates (B13)}{2}$ $\frac{\text{Hydrogen Sulfide Odor (C1)}{2}$ $\frac{\text{Oxidized Rhizospheres along Lin}{2}$ $\frac{\text{Presence of Reduced Iron (C4)}{2}$ $\frac{\text{Recent Iron Reduction in Tilled S}{2}$ $\frac{\text{Sunted or Stressed Plants (D1)}{2}$ $\frac{\text{Stunted or Stressed Plants (D1)}{2}$ $\frac{1}{2}$	ving Roots (C3) Soils (C6) (LRR A) Wetland Hydr sections), if availab	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) founds (D6) (LRR A) Hummocks (D7)
emarks: DROLOGY etland Hydrology Indicators: imary 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 (B _ Sparsely Vegetated Concave Surface eld Observations: urface Water Present? Yes fater Table Present? Yes aturation Present? Yes scribe Recorded Data (stream gauge, m emarks: South Table Table Table Table Present Stream gauge, m	NO rs dox f Entwices. ad; check all that apply)	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, B) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7) Yes No

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old willows to the EBRANDIX A

ect/site: JociEty Tur	N Porce	rond	City/County: 5AN 1	MiGUEL Sampling Date: 4/25/19
icant/Owner: <u>SMVc</u>	# ut			State: CO Sampling Point: 7
stigator(s): MEHAN		۱ <u>ــــــــــــــــــــــــــــــــــــ</u>	Section, Township, Ra	inge:
lforin (hillstop), terrace, etc.): <u>KO</u>	Nad bang	<u> </u>	Local relief (concave,	convex none): Slope (%):
region (LRR):		Lat:		_ Long: Datum:
Map Unit Name:				NWI classification:
climatic / hydrologic conditions on th	e site typical for I	this time of yea	ar? Yes 🔽 No _	(If no, explain in Remarks.)
Vegetation, Soil, or H	łydrology	_ significantly	disturbed? Are '	"Normal Circumstances" present? Yes 📈 No
Vegetation, Soil, or H	łydrology	_ naturally pro	blematic? (If ne	eeded, explain any answers in Remarks.)
MMARY OF FINDINGS - At	tach site ma	p showing	sampling point l	ocations, transects, important features, etc.
drophytic Vegetation Present?	Yes	No		
dric Soil Present?	Yes	No V	Is the Sampled	i Area
atland Hydrology Present?	Yes	No	within a Wetla	nd? Yes No <u>V</u>
marks:				
JETATION – Use scientific	names of pla	Ahaaluta	Dominant Indiaster	
e Stratum (Plot size:	_)	Absolute <u>% Cover</u>	Species? Status	Dominance Test worksneet:
				That Are OBL, FACW, or FAC: (A)
				Total Number of Dominant
			. <u> </u>	Species Across All Strata: (B)
			· · · · · · · · · · · · · · · · · · ·	Percent of Dominant Species
nling/Shruh Stratum /Plot size:	١.		= Total Cover	That Are OBL, FACW, or FAC: (A/B)
30 11.V. 520		ମିଠ	ノシもし	Prevalence Index worksheet:
				Total % Cover of:Multiply by:
				OBL species x 1 =
				FACW species X2 =
			,, ,	FAC species X 3 =
de Otrahuma (Diat alaga		00	= Total Cover	UPI species x5=
Reparting (Plot size:)	20	1101	Column Totals: (A) (B)
NI OMULT HIGHING				
	-			Prevalence Index = B/A =
· · · · · · · · · · · · · · · · · · ·			·······	1 - Rapid Test for Hydrophytic Venetation
	·····		· · · · · · · · · · · · · · · · · · ·	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'
·				Problematic Hydrophylic Vegetation' (Explain)
· · · · ·	····			be present, unless disturbed or problematic.
oody Vine Stratum (Plot size:)	20	= Total Cover	· · · · ·
· · · · · · · · · · · · · · · · · · ·				Hydrophytic
				Vegetation
			= Total Cover	Present? Yes No V
RAL RA				
Bare Ground in Herb Stratum				

Page 13 of 18

SOIL

Appendix A

rofile Description: (Describe to the de	pth needed to document the indicator or confirm	the absence of indicators.)
epth Matrix	Redox Features	· · · · · · · · · · · · · · · · · · ·
nches) Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture Remarks
-12 10Y23/2 100		- man -
,,,,	· · · · · · · · · · · · · · · · · · ·	<u> </u>
	• •••••••••••••••••••••••••••••••••••••	······································
		,
· ·		· · · · ·
ype: C=Concentration, D=Depletion, RM	M=Reduced Matrix, CS=Covered or Coated Sand Gra	ains. ² Location: PL=Pore Lining, M=Matrix.
dric Soil Indicators: (Applicable to a	ll 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)
Penleted Relow Dark Surface (A44)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted below Dark Sufface (A11) Thick Dark Surface (A42)	Depieted Matilix (F3) Reday Dark Surface (F6)	³ Indicators of hydronhytic vacetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	masators or nyarophytic vegetation and wetland hydrology must be present
Sandy Gleved Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
strictive Layer (if present):		
Type:		
Depth (inches):		Hydric Soil Present? Yes No
marke		
	·	
/DROLOGY /etland Hydrology Indicators:	·	
'DROLOGY letland Hydrology Indicators: rimary Indicators (minimum of one requir	ed; check all that apply)	Secondary Indicators (2 or more required)
'DROLOGY 'etland Hydrology Indicators: <u>'imary Indicators (minimum of one requir</u> _ Surface Water (A1)	ed; check all that apply) Water-Stained Leaves (B9) (except	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2
'DROLOGY etland Hydrology Indicators: <u>imary Indicators (minimum of one requin</u> _ Surface Water (A1) _ High Water Table (A2)	ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
'DROLOGY Tetland Hydrology Indicators: <u>rimary Indicators (minimum of one requin</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3)	ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
'DROLOGY Tetland Hydrology Indicators: <u>rimary Indicators (minimum of one requin</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1)	ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
'DROLOGY 'etland Hydrology Indicators: <u>imary Indicators (minimum of one requin</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2)	ed; 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)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C
/DROLOGY /etland Hydrology Indicators: <u>rimary Indicators (minimum of one requir</u> _ 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 (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root	 Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C ss (C3)
/DROLOGY /etland Hydrology Indicators: rimary 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 (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4)	 <u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C ss (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
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 (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
DROLOGY ietland 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) Surface Soil Cracks (B6)	ed; 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 Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C s (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (ed; 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 Root — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C6) — Stunted or Stressed Plants (D1) (LRR A) B7) — Other (Explain in Remarks)	Secondary Indicators (2 or more required)
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) _ Surface Soil Cracks (B6) _ Inundation Visible on Aerial Imagery (_ Sparsely Vegetated Concave Surface	ed; 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 Root — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C6) — Stunted or Stressed Plants (D1) (LRR A) B7) — Other (Explain in Remarks) • (88)	Secondary Indicators (2 or more required)
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) _ Surface Soil Cracks (B6) _ Inundation Visible on Aerial Imagery (_ Sparsely Vegetated Concave Surface eld Observations:	ed; 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 Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8)	 Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
'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) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface eld Observations: urface Water Present? Yes	ed; 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 Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8)	Secondary Indicators (2 or more required)
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'DROLOGY retland Hydrology Indicators: imary Indicators (minimum of one require _ 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 eld Observations: urface Water Present? Yes aturation Present? Yes aturation Present? Yes aturation Present? Yes aturation Present? Yes meludes capillary fringe) Yes auger, r	ed; check all that apply)	Secondary Indicators (2 or more required)
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WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Society Turn - North of Huy	City/County: San Mt que Sampling Date: 7/15/2022
Applicant/Owner: SMUC	State: CO Sampling Point: 2022 DP-1
Investigator(s): Nees & Antipas	Section, Township, Range:
Landform (hillslope, terrace, etc.): hillslope	Local relief (concave, convex, none): none Slope (%): 5
Subregion (LRR): Lat	t: Long: Datum:
Soil Map Unit Name: Cryoborolls - Cryoquolls	NWI classification: PSS
Are climatic / hydrologic conditions on the site typical for this time Are Vegetation, Soil, or Hydrology signific Are Vegetation, Soil, or Hydrology natural SUMMARY OF FINDINGS – Attach site map show	or year? Yes
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No Remarks: C U	Is the Sampled Area within a Wetland? Yes X No
werland assoc. normiside of how	y its along icemine week

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	Dominance Test worksh	neet:	
<u>Tree Stratum</u> (Plot size:) 1	% Cover	Species?	Status	Number of Dominant Spe That Are OBL, FACW, or	FAC:	(A)
23				Total Number of Dominar Species Across All Strata	nt .:	(B)
4		= Total Co	over	Percent of Dominant Spe That Are OBL, FACW, or	cies FAC:	(A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index works	sheet:	
1. Salix monticola	60 %	<u> </u>	ORL	Total % Cover of:	Multiply by	:
2			, .	OBL species	x 1 =	
3				FACW species	x2=	
4				FAC species	x 3 =	
5				FACU species	x 4 =	
		= Total Co	over	LIPL species	x 5 =	
Herb Stratum (Plot size:)	2-01	10		Column Totals:	(A)	(B)
1. Carey Utriculta	50 10	<u>×</u>	DISL			(=)
2. Juncus balticus	20 %	×	FACW	Prevalence Index =	= B/A =	<u> </u>
3				Hydrophytic Vegetation	Indicators:	
4				1 - Rapid Test for Hy	drophytic Vegetation	n
5				🔀 2 - Dominance Test i	is >50%	
6				3 - Prevalence Index	: is ≤3.0 ¹	
7				4 - Morphological Ad	aptations ¹ (Provide) or on a separate she	supporting
8			•	5 - Wetland Non-Vas	scular Plants ¹	
9				Problematic Hydroph	ovtic Vegetation ¹ (Ex	(nlain)
10	_		·	¹ Indicators of hydric soil	and wetland bydrolo	av muet
11	-	·		be present, unless distur	bed or problematic.	gymast
Weady Vine Stratum (Plot size:		_= Total Co	ver			
1		·	•	Hydrophytic		
2		-		Present? Yes	X No	
% Bare Ground in Herb Stratum	-	_= Total Co	ver		<u> </u>	
Remarke:						
handlerse inverterables	1		h al	+		
winnows & writiand the	ins th	nivin	SENDI	ovsc		
						Dage 15 of 1
						— Paye is of i

C	0	
0	U	

moling Point: 2022 DP-1

SOIL	Sampling Point:
Profile Description: (Describe to the depth needed to document the	e indicator or confirm the absence of indicators.)
Depth Matrix Redox Featu	ires
(inches) Color (moist) % Color (moist) %	<u>Type' Loc⁴ Texture Remarks</u>
4 2,5 TH 3/2 10 YR 4/6	loam
12 2.5YR 1/1 10 YR 1/6	
······································	/ /
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Cove	red or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise n	ioted.) Indicators for Problematic Hydric Solls :
Histosol (A1) Sandy Redox (S5)	2 cm Muck (A10) Red Parent Material (TE2)
Histic Epipedon (A2) Stripped Matrix (S6)	(F1) (except MLRA 1) Very Shallow Dark Surface (TF12)
Loamy Mucky Mineral Loamy Gleved Matrix ((F2) Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Z Depleted Matrix (F3)	
Thick Dark Surface (A12) Redox Dark Surface (F	F6) ³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Depleted Dark Surface	e (F7) wetland hydrology must be present,
Sandy Gleyed Matrix (S4) Redox Depressions (F	8) unless disturbed or problematic.
Restrictive Layer (if present):	
Туре:	V
Depth (inches):	Hydric Soil Present? Yes 🔨 No
Remarks:	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Primary Indicators (minimum of one required; check all that apply)	Secondary indicators (2 or more required)
Surface Water (A1) Water-Stained Le	eaves (B9) (except water-stained Leaves (B9) (MLKA 1, 2,
High Water Table (A2) MLRA 1, 2, 4	A, and 4D) 4A, and 4D)
_X Saturation (A3) Sati Grust (B11)	rates (B13) Diversion Water Table (C2)
water marks (B1) Aquatic invertebr	e Odor (C1) Saturation Visible on Aerial Imageny (C0)
Drift Deposite (B3)	pheres along Living Roots (C3) X Geomorphic Position (D2)
Algal Mat or Crust (B4) Presence of Red	luced Iron (C4) Shallow Acuitard (D3)
Iron Deposits (B5) Recent Iron Red	uction in Tilled Soils (C6) X FAC-Neutral Test (D5)
Surface Soil Cracks (B6) Stunted or Stress	sed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7) Other (Explain in	Remarks) Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)	
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	a provinus inspections) if available:
Describe Recorded Data (stream gauge, monitoring well, aerial photos	s, previous inspections), il available.
Remarks:	Desir Carles 1
wetrand injuringy ted k	by remine creek.
wetland appears to have a	wown based on review
at and al aboland	
- neria protography.	D 4/
•	Pade 16

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

Project/Site: Socrety Tom - North Huy.	City/County: San Misuel Sampling Date: 7.15.2022
Applicant/Owner:	State: CO Sampling Point: 2022 DP-2
Investigator(s): Nees & Antipas	Section, Township, Range:
Landform (hillslope, terrace, etc.): hillslope	Local relief (concave, convex, none): Slope (%): Slope (%):
Subregion (LRR): La	at: Long: Datum:
Soil Map Unit Name:	NWI classification:
Are Vegetation, Soil, or Hydrology signif Are Vegetation, Soil, or Hydrology natur SUMMARY OF FINDINGS – Attach site map sho	icantly disturbed? Are "Normal Circumstances" present? Yes No ally problematic? (If needed, explain any answers in Remarks.) owing 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
'Remarks:	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size:) % Cover Status Number of Dominant Species 1.		Absolute	Dominant	Indicator	Dominance Test worksheet:
2.	<u>Tree Stratum</u> (Plot size:) 1)	<u>% Cover</u>	Species?	<u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3	2				Total Number of Dominant
4.	3				Species Across All Strata: (B)
Sapling/Shrub Stratum (Plot size:)	4.				Dement of Dominant Spacing
Sapin(2) mod Stratum FACU 1. Roso used sit S X FACU 2. Sapin(2) mod Stratum S X FACU 3. Sapin(2) mod Stratum Sapin(2) mod Stratum Multiply by: OBL species x1 =	Conting/Christ Stratum /Dist size:		= Total Co	over	That Are OBL, FACW, or FAC: (A/B)
1. Ides C. Lando C Sitt		C	V	FACIL	Prevalence Index worksheet:
2.	ILASA LADOCSIL		-	TACU	Total % Cover of: Multiply by:
3.	2				OBL species x 1 =
4.	3				FACW species x 2 =
5.	4				FAC species x 3 =
Herb Stratum (Plot size:)	5	_			FACU species x 4 =
Hero Stratum (Plot size:) 1. Brownus emergination S 2. Tarexicum officinate S 3. Curcium actuence S 4	Unit Of the Poly of the Poly		= Total Co	over	UPL species x 5 =
Image: Second	Herb Stratum (Plot size:)	0.	V	1121	Column Totals: (A) (B)
3. Circlium alruence 6.5 FACU 4.	2. Taraticum officinale	5	×	FACUT	Prevalence Index = B/A =
4.	3 Curchum a ruense	45		FACU	Hydrophytic Vegetation Indicators:
5.	A				1 - Banid Test for Hydrophytic Vegetation
6.	5				2 - Dominance Test is >50%
0.	e			•	$\frac{2}{2} = 2 = 2 = 1 \text{ for all the set is } = 30\%$
7			• •		5 - Prevalence index is \$5.0
8.		-	• •		data in Remarks or on a separate sheet)
9	3		• • • • • • • • • • • • • • • • • • • •		5 - Wetland Non-Vascular Plants ¹
10	ə		•	•	Problematic Hydrophytic Vegetation ¹ (Explain)
11	10		•		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size:)	11			-	be present, unless disturbed or problematic.
1. Hydrophytic 2. Vegetation = Total Cover Present? Yes	Woody Vine Stratum (Plot size:)	-	_= Total Co	over	
2 Vegetation = Total Cover Vegetation Present? Yes No X	1				Hydrophytic
= Total Cover Present? Yes No	2		-		Vegetation
% Bare Ground in Herb Stratum	% Bare Ground in Herb Stratum		_= Total Co	over	
Remarks:	Remarks:			1000	
					Page 17

-	-	
- 5	n	L
-	~	-

Sampling Point 2022 DP-2

	pth needed to document the indicator or confirm	the absence of indicators.)	
Depth Matrix	Redox Features		
(inches) Color (moist) %	<u>Color (moist)</u> <u>%</u> <u>Type'</u> <u>Loc</u>	Texture Remarks	
12 2.5711	NO MOTTLES		
· · · ·			
·	· ·······		
······································			
'Type: C=Concentration, D=Depletion, RI	M=Reduced Matrix, CS=Covered or Coated Sand Gra	ains. Cocation: PL=Pore Lining, M=Matrix Indicators for Problematic Hydric Soils	ζ. 2 ³ .
Histored (A1)	Sandy Reday (S5)	2 cm Muck (A10)	
Histic Eninedon (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)		
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.	
Tunor			
Type:		Hudria Sail Propent? Ves No.	Y
Depth (inches):			~
IYDROLOGY Wetland Hydrology Indicators:			
IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi	red; check all that apply)	Secondary Indicators (2 or more requi	red)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1)	red; check all that apply) Water-Stained Leaves (B9) (except	Secondary Indicators (2 or more required to the second sec	<u>red)</u> A 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Secondary Indicators (2 or more requination of the second	<u>red)</u> A 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Secondary Indicators (2 or more required to the secondary Indicators (2 or more required to the second to the seco	<u>red)</u> A 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more requined to the secondary Indicators (2 or more requined to the secondary Indicators (B9) (MLR, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)	red) A 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requination of the requinatio	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)	<u>Secondary Indicators (2 or more requir</u> Water-Stained Leaves (B9) (MLR, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image	red) A 1, 2, ery (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requil	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 Roc	<u>Secondary Indicators (2 or more requined</u> Water-Stained Leaves (B9) (MLR, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image ots (C3) Geomorphic Position (D2)	red) A 1, 2, ery (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requil	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 Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLR, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) EAC-Neutral Test (D5)	red) A 1, 2, ory (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second s	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 Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRP A	 Secondary Indicators (2 or more required in the second seco	red) A 1, 2, ery (C9)
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HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requination of the equination of the	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 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) = (B8)	Secondary Indicators (2 or more requination of the second seco	red) A 1, 2, ery (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requited to the second s	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 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) = (B8)	 Secondary Indicators (2 or more requited the second second	red) A 1, 2, ery (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requited)	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 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):	 Secondary Indicators (2 or more requited to the second seco	red) A 1, 2, ery (C9)
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HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requited)	red; check all that apply)	Secondary Indicators (2 or more requined water-Stained Leaves (B9) (MLR, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image obts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)	red) A 1, 2, ery (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requited)	red; check all that apply)	Secondary Indicators (2 or more required water-Stained Leaves (B9) (MLR, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image obts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) Shallow Aquitard (D3) FAC-Neutral Test (D5) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No	red) A 1, 2, ory (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requited)	red; check all that apply)	Secondary Indicators (2 or more requited the second sec	red) A 1, 2, ory (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requited in the second s	red; check all that apply)	Secondary Indicators (2 or more requined of the secondary Indicators (2 or more requined of the second of the s	red) A 1, 2, ory (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requited)	red; check all that apply)	Secondary Indicators (2 or more required water-Stained Leaves (B9) (MLR, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image obts (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:	red) A 1, 2, ory (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requil	red; check all that apply)	Secondary Indicators (2 or more requination of the second	red) A 1, 2, ory (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requit	red; check all that apply)	Secondary Indicators (2 or more required water-Stained Leaves (B9) (MLR, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image on the status of the st	red) A 1, 2, ory (C9)
IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requit	red; check all that apply)	Secondary Indicators (2 or more required water-Stained Leaves (B9) (MLR, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image obts (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:	red) A 1, 2, ery (C9)
IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requited) 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: Surface Water Present? Yes Saturation Present? Yes Gincludes capillary fringe) Describe Recorded Data (stream gauge, Remarks:	red; check all that apply)	Secondary Indicators (2 or more requined of the second secon	red) A 1, 2, ary (C9)

Appendix B

2022 Photographs

PHOTO LOG

Project Name:

Society Turn 2022 Wetlands SGM Project # 115.08.07

Site Location:

San Miguel Valley Corporation's Society Turn Parcel, Sections 32 & 33, T43N, R9W, NMPM, Unicorporated San Miguel County **Date:** Jul 15, 2022

Appendix B

Photo Point 1 (P1)

West End of property, proposed augmentation pond location. Obvious upland characteristics, no hydrologic features at all.



Photo Point 2 (P2)

Typical surface conditions in the augmentation pond location. Significant accumulation of elk droppings indicative of some seasonal use. Vegetation dominated by smooth brome and anserina, with scattered rabbitbrush and wormwood. All upland indicators.



PHOTO LOG

Project Name:

Society Turn 2022 Wetlands SGM Project # 115.08.07

Photo Point 3 (P3)

Conditions on the upstream side of the Remine Creek confluence with the San Miguel River. The existing delineation remains accurate, with a narrow but defined wetland fringe dominated by Juncus balticus, occupying a fringe along the bank approximately 6 feet wide.

Site Location:

San Miguel Valley Corporation's Society Turn Parcel, Sections 32 & 33, T43N, R9W, NMPM, Unicorporated San Miguel County Date:

Appendix B

Jul 15, 2022



Photo Point 4 (P4)

Typical conditions along the Remine Creek corridor, upchannel from the San Miguel River. As described in previous delineations, it is a deeply incised creek with a narrow wetland fringe dominated by coyote willow and narrowleaf cottonwood saplings. Lesser components of Booth's willow, cow parsnip, twinberry, etc.

Wetland/riparian character is confined to the bottom of the incised channel, and does not extend up to top-of-bank.



PHOTO LOG

Project Name:

Society Turn 2022 Wetlands SGM Project # 115.08.07

Photo Point 5 (P5)

View of Remine Creek from the top-of-bank, with narrow channel visible. Note rapid transition to upland conditions visible at right, along the steep cutslope.

Site Location:

San Miguel Valley Corporation's Society Turn Parcel, Sections 32 & 33, T43N, R9W, NMPM, Unicorporated San Miguel County **Date:** Jul 15, 2022

Appendix B



Photo Point 6 (P6)

Isolated "County Wetland" present on uphill side of Highway 145 within CDOT right-of-way. Note the clear edge of wetland vegetation visible at viewer's near right. Any occasional flow discharges through bar ditch into culvert at viewer's mid left. No defined channel, no wetland vegetation, no downstream connectivity.



PHOTO LOG

Project Name:

Society Turn 2022 Wetlands SGM Project # 115.08.07

Photo Point 7 (P7)

Coyote willow monoculture along the downslope embankment of highway. east of proposed entrance zone. No apparent surface water source. No apparent surface water discharge. No apparent soil saturation. Possibly water provided by leakage from the adjacent sewer main? Mapped as "County Wetlands", but clearly does not constitute a jurisdictional wetland under Section 404 CWA due to lack of hydric soils or connectivity to natural hydrology.

Photo Point 8 (P8) Typical conditions during the growing season within the irrigated portions of the pasture. Dominance by agricultural cultivars, including intermediate wheatgrass, bluegrass, redtop. some wetland facultative/FACW species are present in nondominant amounts, including willowherb (Epilobium), speedwell (Veronica), etc. Clearly supported by artificial irrigation delivered through artificially-excavated channels.

Site Location:

San Miguel Valley Corporation's Society Turn Parcel, Sections 32 & 33, T43N, R9W, NMPM, Unicorporated San Miguel County Date:

Appendix B

Jul 15, 2022



PHOTO LOG

Project Name:

Society Turn 2022 Wetlands SGM Project # 115.08.07

Site Location:

San Miguel Valley Corporation's Society Turn Parcel, Sections 32 & 33, T43N, R9W, NMPM, Unicorporated San Miguel County **Date:** Jul 15, 2022

Appendix B

Photo Point 9 (P9)

The "dead willow" area was reinvestigated. Currently, most willows have minor re-sprout, marginal vigor for plain willow, more vigor for mountain willow. Willow remains a nondominant component of the vegetation. This area is included in the portion of the property that would be transferred to the Town's WTP, and is not further considered in SMVC's application material.



Photo Point 10 (P10)

Conditions along the south bank of the San Migue River are unchanged from previous reports. A narrow fringe abutting the river, dominated by Carex and Juncus and ox-eye daisy. An elevated upland strip at top of bank separates the river-adjacent wetlands from some small areas of wetlands back of bank (see P11).



PHOTO LOG

Project Name:

Society Turn 2022 Wetlands SGM Project # 115.08.07

Photo Point 11 (P11)

Wetland conditions appear unchanged at this location. Obvious wetland conditions with Juncus monoculture in foreground, and "County Wetlands" visible where SGM staff is digging. Confirmed that "County Wetlands" continue to show no sign of hydric soils, as previously reported.

Site Location:

San Miguel Valley Corporation's Society Turn Parcel, Sections 32 & 33, T43N, R9W, NMPM, Unicorporated San Miguel County Date:

Appendix B

Jul 15, 2022



Photo Point 12 (P12)

Area of wetland vegetation. Quality is poor, with minimal supporting hydrology or connectivity, and nearmonoculture of herbaceous vegetation (Juncus balticus).



PHOTO LOG

Appendix B

Project Name:	Site Location:	Date:
Society Turn 2022 Wetlands	San Miguel Valley Corporation's Society Turn Parcel,	1.1.1.5 2022
SGM Project # 115.08.07	Sections 32 & 33, T43N, R9W, NMPM, Unicorporated San Miguel County	Jul 15, 2022
Photo Point 13 (P13)		
Test pit in "County Wetlands",		AND A STATE
confirming a clear absence of		
hydrology to deeper than 12		
incries. Soli conditions are unambiguously aerobic, with		
consistent soil color of 7.5YR 4/4		The Number of
		MELLER.
	A COMPANY OF THE REAL PROPERTY	
		ANC AND
		and a state
		MAR CAR
		A REAL
		AND TO STORE
Photo Point 14 (P14)		
4		

Appendix C

2020 Photographs

Appendix C Wetland Delineation Photographs Society Turn Highway Improvement Project



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.

Appendix B. Wetland Delineation Photographs Society Turn Highway 145 Improvement Project



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.

Appendix B. Wetland Delineation Photographs Society Turn Highway 145 Improvement Project



Photo 8. Old willows near WDDF 6.



Photo 9. Old willows near WDDF 7.



Photo 10. Close-up of old dead willows.

Appendix B. Wetland Delineation Photographs Society Turn Highway 145 Improvement Project



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).

2015 Society Turn Delineation Forms 2015 Society Turn Project Area Photos

Appendix E

roject/Site: Satisty TUN	City/	County: SAN M	GUE COUNTY Sampling D	Date: $\frac{7}{17}$
pplicant/Owner: <u>5MVC</u>			State: <u>CO</u> Sampling F	oint:
nvestigator(s): MEHAN	Sec	tion, Township, Rai	nge:	K
andform (hillslope, terrace, etc.):	Loo	al reliet (concave,	çonvex, none):	_ Slope (%):
Subregion (LRR):	Lat:		_ Long:	Datum:
Soil Map Unit Name:			NWI classification:	
are climatic / hydrologic conditions on the site typica	for this time of year?	Yes No	(If no, explain in Remarks.)	1
Are Vegetation . Soil . or Hydrology	significantly dist	urbed? Are "	Normal Circumstances" present? Ye	es No
Are Vegetation . Soil . or Hydrology	naturally probler	natic? (If ne	eded, explain any answers in Remark	ks.)
	man chowing ca	mpling point l	ocations transacts importa	nt features, etc.
SUMMART OF FINDINGS - Attach site	map showing sa			
Hydrophytic Vegetation Present? Yes //		is the Sampled	Area	
Wetland Hydrology Present? Yes		within a Wetlar	nd? Yes_/ No	<u> </u>
Remarks:			······································	
/EGETATION – Use scientific names o	f plants.			
Trop Stratum (Plat size:	Absolute De % Cover St	ominant Indicator	Dominance Test worksheet:	
1	<u></u>		That Are OBL, FACW, or FAC:	(A)
2.			Total Number of Dominant	
3			Species Across All Strata:	(В)
4	·····		Percent of Dominant Species	Grit
Carling (Charle Stratum / Plat size)	=	Total Cover	That Are OBL, FACW, or FAC:	<u> (A/B)</u>
1 (FUX months a)	່ ຈຸດ	1/ 082	Prevalence index worksheet:	
2 Jalix Exigue	70	FAIN	Total % Cover of.	Multiply by:
3			OBL species X1	
4			FAC species x3	
5			FACU species x 4	=
Link Stratum (Biot cizo:	<u>- 50</u> =	Total Cover	UPL species x 5	
1 ACTA PARTIE	40)	1. Fac	Column Totals: (A)	(B)
2 Alam 2X Clisman	201	FACH	Prevalence Index = B/A =	
3. HERCHEUN ANAMA		FAC	Hydrophytic Vegetation Indicato	rs:
4. Achillen lance lasa		Eacu		Vegetation
5. AGODYION Smithi	20	V FACIA	\mathbf{V} 2 - Dominance Test is >50%	
6			3 - Prevalence Index is ≤3.0 ¹	1 (2)
7			4 - Morphological Adaptations data in Remarks or on a se	 (Provide supporting parate sheet)
8			5 - Wetland Non-Vascular Pla	nts ¹
ə		<u> </u>	Problematic Hydrophytic Vege	etation ¹ (Explain)
11			¹ Indicators of hydric soil and wetla	nd hydrology must
	90 =	Total Cover	be present, unless disturbed or pro-	
)	45/19		
Woody Vine Stratum (Plot size:			. Hydrophytic	
Woody Vine Stratum (Plot size:	<u> </u>		Vegetation	1
Woody Vine Stratum (Plot size:			Vegetation Present? Yes	No

SOIL

Sampling Point:

:

2

Appendix D

ofile Description: (Describe to the d	eput needed to document the states			
epth <u>Matrix</u>	Redox Features	e Loc ²	Texture	Remarks
$\frac{1}{2}$		<u></u>	So L	
J-FC 10x . 3/1 - 10	<u> </u>			
3-12 - 3/2 45	<u></u>			, <u></u> _, <u></u> , <u></u> _, <u></u> _, <u></u> , <u></u> _, <u></u> , <u></u> _, <u></u> , <u></u> , <u></u> , <u></u> _, <u></u> , <u></u>
			· ·	
······································		<u> </u>		
			, <u> </u>	· · · · · · · · · · · · · · · · · · ·
	RM=Reduced Matrix, CS=Covered or C	oated Sand Gra	ins. ² Locatio	n: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to	all LRRs, unless otherwise noted.)		Indicators f	or Problematic Hydric Soils ³ :
Historol (A1)	Sandy Redox (S5)		2 cm Mu	ick (A10)
Histic Enjordon (A2)	Stripped Matrix (S6)		Red Par	ent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (ex	cept MLRA 1)	Very Sh	allow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		Other (E	xplain in Remarks)
_ Depleted Below Dark Surface (A11)	Depleted Matrix (F3)			
Thick Dark Surface (A12)	Redox Dark Surface (F6)		³ indicators o	f hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		wetland h	ydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	<u> </u>		
lestrictive Layer (if present):				
Туре:			ALL AND A DAY DO	
Type: Depth (inches): Remarks: 44441c	soil, close to c	/{e.t.	Hydric Soil Pre	sent? Yes <u>/</u> No
Type: Depth (inches): Remarks: 44441C YDROLOGY	soil, close to c	/{e.t.	Hydric Soil Pre	sent? Yes <u>/</u> No
Type: Depth (inches): Remarks: 4444/1C YDROLOGY Wetland Hydrology Indicators:	$3\dot{c}_{1}$, $c(0seto c$	/69.t	Hydric Soil Pre	sent? Yes <u>v</u> No <u></u>
Type: Depth (inches): Remarks: 4444/1C YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one reg	Joil, Close to c	reet	Hydric Soil Pre	sent? Yes <u>V</u> No <u>v</u>
Type: Depth (inches): Remarks: 4444/1C YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1)	$\frac{1}{36.1}$, $C^{1}05E+0$ c uired: check all that apply) Water-Stained Leaves (E	-<<.+. 39) (except	Hydric Soil Pre	sent? Yes <u>V</u> No <u>No</u> <u>v Indicators (2 or more required)</u> r-Stained Leaves (B9) (MLRA 1, 2, A and 4B)
Type: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2)	uired: check all that apply) Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 Cent (E11)	-<< 39) (except 4B)	Hydric Soil Pre	ry Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) race Patterns (B10)
Type: Depth (inches): Remarks: 44 4 4/1C YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1) High Water Table (A2) Saturation (A3)	561, $Close to cuired; check all that apply) Water-Stained Leaves (EMLRA 1, 2, 4A, and 4 Sait Crust (B11)$		Hydric Soil Pre	sent? Yes <u>V</u> No <u>No</u> <u>ry Indicators (2 or more required)</u> tr-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Patterns (B10) Season Water Table (C2)
Type: Depth (inches): temarks: 44 4 4/1 C YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	uired: check all that apply) — Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B'	39) (except 4B) 13)	Hydric Soil Pre	<u>y Indicators (2 or more required)</u> r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Pattems (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9)
Type: Depth (inches): temarks: 44 4 4/1C YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one reg 	uired: check all that apply) — Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B — Hydrogen Sulfide Odor (39) (except 4B) 13) C1)	Hydric Soil Pre	ry Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) rage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2)
Type: Depth (inches): temarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	uired: 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 — Bedward for	39) (except 4B) 13) C1) along Living Roc	Hydric Soil Pre	<u>A, and 4B</u> re-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) Tage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3)
Type: Depth (inches): temarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	uired: check all that apply) — Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 — Sait Crust (B11) — Aquatic Invertebrates (B' — Hydrogen Sulfide Odor (— Oxidized Rhizospheres a — Presence of Reduced into Recent Iron Paduation in	39) (except 4B) 13) C1) along Living Roc on (C4)	Hydric Soil Pre	sent? Yes <u>V</u> No <u>No</u> ry Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Pattems (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) -Neutral Test (D5)
Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one reg 	Uired: 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 Iro Recent Iron Reduction Ir — Stimuted on Stressond Plan	39) (except 4B) 13) C1) along Living Roc on (C4) n Tilled Soils (C6 nts (D1) (LBR A	Hydric Soil Pre	ry Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
Type: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req 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)	uired: check all that apply) Water-Stained Leaves (E MLRA 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebrates (B ¹) Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Inc Recent Iron Reduction in Stunted or Stressed Plan Other (Evaluan in Remark	39) (except 4B) 13) C1) along Living Roc on (C4) a Tilled Soils (C6 nts (D1) (LRR A ks)	Hydric Soil Pre	ry Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7)
Type: Depth (inches): temarks: 44 y d/1c YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one req 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 Image	Join (1980) uired: check all that apply)	39) (except 4B) 13) C1) along Living Roc on (C4) a Tilled Soils (C6 nts (D1) (LRR A ks)	Hydric Soil Pre	ry Indicators (2 or more required) ry Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) Tage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) Iow Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7)
Type: Depth (inches): temarks: 44 y d/1c YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one req 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 Imager Sparsely Vegetated Concave Surface	Join (1985) Class to constrained	39) (except 4B) 13) C1) along Living Roc on (C4) n Tilled Soils (C6 nts (D1) (LRR A ks)	Hydric Soil Pre	sent? Yes <u>V</u> No <u>No</u> <u>ry Indicators (2 or more required)</u> r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7)
Type: Depth (inches): Remarks: YDROLOGY YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req 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 Image Sparsely Vegetated Concave Surfa Field Observations: O for Water Marks (B1)	<u>uired: check all that apply</u>) <u>Water-Stained Leaves (E</u> <u>MLRA 1, 2, 4A, and 4</u> Salt Crust (B11) <u>Aquatic Invertebrates (B</u> <u>Hydrogen Sulfide Odor (</u> Oxidized Rhizospheres a <u>Presence of Reduced inc</u> <u>Recent Iron Reduction in</u> <u>Stunted or Stressed Plan</u> ry (B7) <u>Other (Explain in Remar ace (B8)</u>	39) (except 4B) 13) C1) along Living Roc on (C4) a Tilled Soils (C6 nts (D1) (LRR A ts)	Hydric Soil Pre	sent? Yes <u>V</u> No <u>v</u> <u>ry Indicators (2 or more required)</u> r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7)
Type: Depth (inches): Remarks: YDROLOGY Wetiand Hydrology Indicators: Primary Indicators (minimum of one reg 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 Imaged Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes	Join (1055 + 0) uired: check all that apply)	39) (except 4B) 13) C1) along Living Roc on (C4) a Tilled Soils (C6 nts (D1) (LRR A ks)	Hydric Soil Pre	sent? Yes <u>V</u> No <u>v</u> <u>ry Indicators (2 or more required)</u> r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Pattems (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) Iow Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7)
Type: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one reg 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 Imager Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Water Table Present? Yes Water Table Present? Yes	Join (1055 + 0) uired: check all that apply)	39) (except 4B) 13) C1) along Living Roc on (C4) 1 Tilled Soils (C6 nts (D1) (LRR A ks)	Hydric Soil Pre	resent? Yes <u>V</u> No <u>No</u> <u>ry Indicators (2 or more required)</u> r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Pattems (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) Iow Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7) Present? Yes No
Type: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one reg 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 Imagel Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	Join (1055 + 0) uired: check all that apply)	39) (except 4B) 13) C1) along Living Roc on (C4) a Tilled Soils (C6 nts (D1) (LRR A ks) Wet	Hydric Soil Pre	ry Indicators (2 or more required) ry Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) Iow Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7) Present? YesNo
Type: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req 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 Imager Sparsely Vegetated Concave Surfat Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	Join Clossto Join Clossto Uired: check all that apply)	39) (except 4B) 13) C1) along Living Roc on (C4) n Tilled Soils (C6 nts (D1) (LRR A ks) 	Hydric Soil Pre	ry Indicators (2 or more required) ry Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) Iow Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7) Present? YesNo
Type: Depth (inches): Remarks: A & & & & & & & & & & & & & & & & & &	Join (1055 + 0) uired: check all that apply)	39) (except 4B) 13) C1) along Living Roc on (C4) a Tilled Soils (C6 nts (D1) (LRR A ks) Wetth ous inspections),	Hydric Soil Pre	sent? Yes <u>V</u> No <u>v</u> <u>No</u> <u>ry Indicators (2 or more required)</u> r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7)
Type:	Join (1055 + 0) uired: check all that apply)	39) (except 4B) 13) C1) along Living Roc on (C4) a Tilled Soils (C6 hts (D1) (LRR A ks) Weth sus inspections),	Hydric Soil Pre	sent? Yes <u>V</u> No <u>v</u> Indicators (2 or more required) rr-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7) Present? Yes <u>No</u>
Type:	$\frac{\text{uired: check all that apply}}{$	39) (except 4B) 13) C1) along Living Roc on (C4) a Tilled Soils (C6 nts (D1) (LRR A ks) Wett ous inspections),	Hydric Soil Pre	sent? Yes <u>V</u> No <u>v</u> Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) hage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6) (LRR A) t-Heave Hummocks (D7) Present? Yes <u>No</u> <u>No</u>

Project/Site: JOCIELY TUIN	City/0	County: <u>SAN M</u>	GUEL COUNTY Sampling Date: 1/17/13
Applicant/Owner: <u>SMVC</u>			State: <u>CO</u> Sampling Point: <u>2</u>
nvestigator(s): <u>MEHAN</u>	Secti	ion, Township, Ra	nge:
andform (hillslope, terrace, etc.):	Loca	al relief (concave, o	conver, none): Slope (%): <u></u>
Subregion (LRR)	Lat:		_ Long: 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 distu	rbed? Are "	"Normal Circumstances" present? Yes 📈 No 🔄
Are Vegetation, Soil, or Hydrology	_ naturally problem	atic? (If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site ma	p showing sar	npling point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No	1	/
Hydric Soil Present? Yes	No <u>1/</u>	Is the Sampled	Area
Wetland Hydrology Present? Yes	No	within a wettar	hd / fes No /
Remarks:			
/EGETATION – Use scientific names of pla	ants		· · · · · · · · · · · · · · · ·
	Absolute Do	minant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover Sp	ecies? Status	Number of Dominant Species
1	····· ····	<u></u>	That Are OBL, FACW, or FAC: (A)
2		<u> </u>	Total Number of Dominant
۵			Species Across All Strata:
¬		otal Cover	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)			Prevalence index worksheet:
1		<u> </u>	Total % Cover of: Multiply by:
2			OBL species x 1 =
3	<u> </u>		FACW species x 2 =
4			FAC species x 3 =
J	= Tr	otal Cover	FACU species x 4 =
Herb Stratum (Plot size:)	<u> </u>		UPL species x 5 =
1. BROMME IN FRMIS	_ <u>-<u>-</u><u>-</u></u>	<u> </u>	Column Totals: (A) (B)
2. CIrcihm NVENSE			Prevalence Index = B/A =
3			Hydrophytic Vegetation Indicators:
4		<u> </u>	1 - Rapid Test for Hydrophytic Vegetation
6			2 - Dominance Test is >50%
7.		<u> </u>	4 - Morphological Adaptations ¹ (Provide supporting
8			data in Remarks or on a separate sheet)
0		<u> </u>	5 - Wetland Non-Vascular Plants ¹
9			Problematic Hydrophytic Vegetation ¹ (Explain)
9 10			
9 10 11			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
0 9 10 11 Woody Vine Stratum (Plot size:		otal Cover	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
0.	<u>/00</u> =To	otal Cover	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
0.	<u>/00</u> =To	otal Cover	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation
0.	<u></u>	otal Cover	'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes

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L		Sampling Point:
file Description: (Describe to the dept	th needed to document the indicator or confirm	the absence of indicators.)
epth <u>Matrix</u>	Redox Features	Texture Remarks
nches) Color (moist) %		
1010 3h		
		·· ·· ··_ ·· ·· ·· · · · · ·
ppe: C=Concentration, D=Depletion, RM	=Reduced Matrix, CS=Covered or Coated Sand Gra	ains. Location: PL=Pore Lining, M=Matrix.
dric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problemauc Hydric Solis .
_ Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
_ Histic Epipedon (A2)	Stripped Matrix (S6)	Kee Marent Matenal (112)
_ Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Very Snakow Dark Sunace (TFT2)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
_ Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	³ Indicators of hydrophytic vegetation and
_ Thick Dark Surface (A12)	Redox Dark Surface (F\$)	wetland hydrology must be present.
_ Sandy Mucky Mineral (S1)	Depieted Dark Suitade (F7) Podox Depressions (F8)	unless disturbed or problematic.
Sandy Gleyed Matrix (54)		
estrictive Layer (if present):		
Type:		Hydric Soil Present? Yes No
Depth (inches):		
	NO VED OX TEATURES	
/DROLOGY	NO VED OX TEATURES	
YDROLOGY Yetland Hydrology Indicators:	NO VED OX TEATURES	
, YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required	NO VED OX FEATURES	Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	NO VED OX FEAGURES	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
YDROLOGY Vetland Hydrology Indicators: <u>Primary Indicators (minimum of one require</u> Surface Water (A1) High Water Table (A2)	NO VED OX FEAHAVES ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<u>Secondary Indicators (2 or more required)</u> <u>Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</u>
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	MO VEOOX FEAHAVES	<u>Secondary Indicators (2 or more required)</u> <u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</u> <u> Drainage Pattems (B10)</u>
YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	MO VEOOX FEAHAVES	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10) Dry-Season Water Table (C2)
YDROLOGY Yetland Hydrology Indicators: Yrimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	MO VED OX FEAHAVES	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
YDROLOGY Vetland 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)	MO VED OX FEATURES	<u>Secondary Indicators (2 or more required)</u> <u>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</u> Drainage Pattems (B10) <u>Dry-Season Water Table (C2)</u> Saturation Visible on Aerial Imagery (C9) ots (C3) <u>Geomorphic Position (D2)</u>
YDROLOGY Yetland 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)	MO VED X FANHARS ed; 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 Ro Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shatlow Aquitard (D3)
YDROLOGY Yetland 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)	MO VED X FANHVAS ed; 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 Ro — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shatlow Aquitard (D3) 6) FAC-Neutral Test (D5)
YDROLOGY Vetland 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)	MO VEOD FANHUAS ed; 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 Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
YDROLOGY Vetland 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 (MO VEOD FANHARS ed; 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 Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4) B7) Other (Explain in Remarks)	 Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
(DROLOGY /etiand Hydrology Indicators: rimary 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 Veoetated Concave Surface	MO VEOD FANHARS	Secondary Indicators (2 or more required)
/DROLOGY /etiand Hydrology Indicators: mimary 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	MO VEOD FANHUAS ed; 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 Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8)	Secondary Indicators (2 or more required)
<pre>/DROLOGY //DROLOGY //DROLOGY ////////////////////////////////////</pre>	NO VEOD FEAFFAFAFAS ed; check all that apply)	Secondary Indicators (2 or more required)
/DROLOGY Vetiand Hydrology Indicators: Primary Indicators (minimum of one requires 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: Surface Water Present? Yes	NO VEOD FANHUAS ed; check all that apply)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY Vetland 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: Surface Water Present? Yes Water Table Present? Yes	№ 0 √E d ob √E h f h f h f h f h f h f h f h f h f h	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No_
	№ 10 √E d ob √E h f h f h f h f h f h f h f h f h f h	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Dritt 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 Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, reservation gauge, reservance)	↓ 0 √E & Ø X + Extractors ed; check all that apply)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No
YDROLOGY Vetland 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: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, re Remarks:	№ 10 √E d ox √E h f x	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Dritt 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 Field Observations? Surface Conceller? Yes Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, reference) Remarks:	$ \sqrt{0} \sqrt{E} d o \sqrt{E} \sqrt{2} \sqrt{4} \sqrt{4} \sqrt{4} \sqrt{4} \sqrt{4} \sqrt{4} \sqrt{4} 4$	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No
YDROLOGY Vetland 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: Surface Water Present? Yes Field Observations: Surface Concave Surface Saturation Present? Yes Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, reference) Remarks:	$ \begin{array}{c} 10 \sqrt{E} d \ o \ \sqrt{E} d \ \sqrt{E} $	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No
/ //DROLOGY //etiand Hydrology Indicators: 	$ \begin{array}{c} 10 f \in d \text{ obs} f \in \mathbf{A}, f \in \mathcal{A}, f \in A$	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hand Hydrology Present? Yes No

Appendix D

roject/Site: <u>SOCIELY TWN</u>	City	County: SAN N	HOUE COUNTY	_ Sampling Date: <u>7/17/13</u>
pplicant/Owner: <u>5MVC</u>			State: <u>CO</u>	_ Sampling Point: <u>3</u>
vestigator(s): <u>MEHAN</u>	Sec	tion, Township, Ra	inge:	· · ·
andform (hillslope, terrace, etc.):	Loc	al relief (concave,	conver, none):	Slope (%): <u>3</u>
ubregion (LRR):	Lat:		_ Long:	Datum:
oil Map Unit Name:			/ NWI classi	ification:
re 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 dist	urbed? Are	"Normal Circumstances	" present? Yes No
e Vegetation, Soil, or Hydrology	naturally probler	matic? (If n	eeded, explain any ansv	wers in Remarks.)
UMMARY OF FINDINGS - Attach site ma	ap showing sa	mpling point l	ocations, transec	ts, important features, etc
Hydrophytic Vegetation Present? Yes	No			1
Hydric Soil Present? Yes	No V/	Is the Sampled	J Area nd? Voc	
Wetland Hydrology Present? Yes	No			
Remarks: This site moy	, hove los	st 140	wother bound	~(1_
EGETATION – Use scientific names of p	ants.			
	Absolute Do	ominant Indicator	Dominance Test wo	orksheet:
ree Stratum (Plot size:)	<u>% Cover</u> St	<u>secies?</u> <u>Status</u>	Number of Dominant	Species (A)
·		· ·	THAL ARE ODE, FACE	(A)
			Total Number of Don Species Across All S	ninant trata: Z. (B)
4				(*)
	=1	Fotal Cover	That Are OBL, FACV	V, or FAC: <u>(00</u> (A/B)
Sapling/Shrub Stratum (Plot size:)			Prevalence Index w	orksheet:
2			Total % Cover of	f: Multiply by:
3	<u> </u>	· · · · · · · · · · · · · · · · · · ·	OBL species	x1=
4			FACW species	x 2 =
5			FAC species	x 3 =
	= "	Total Cover	FACU species	X 4 =
Herb Stratum (Plot size:)	(15	1 001	Column Totals:	(A) (B)
CLEAN A ANTENNAL	$-\frac{2}{2}$			
2. CIICIUM ASTRIC	- 4 5 -	Focul	Prevalence Ind	ex = B/A =
4			Hydrophytic Vegeta	ntion Indicators:
5.			- Rapio rest id	rest is >50%
3			3 - Prevalence I	ndex is ≤3.0 ¹
7			4 - Morphologica	al Adaptations ¹ (Provide supporting
B		· · · · · · · · · · · · · · · · · · ·	data in Rema	irks or on a separate sheet)
9			5 - Wetland Non	-Vascular Plants'
10		·	Indicators of hydrig	contract wetland bydrology much
11	12/)		be present, unless d	isturbed or problematic.
Woody Vine Stratum (Plot size:)	<u>-100</u> =1	otal Cover		/
1			Hydrophytic	/
2			Vegetation	Man V Ma
	= T	otal Cover	Present?	Tes NO
% Bare Ground in Herb Stratum			<u> </u>	
Actual Ao.				

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La		Saniphing Fourie
file Description: (Describe to the d	lepth needed to document the indicator or confirm	the absence of indicators.)
pth <u>Matrix</u>	Redox Features	Texture Remarks
nches) <u>Color (moist)</u> %		GCNNLS STINGTOR
-12 10×10312		
		·
		rains ² l ocation: PL=Pore Lining, M=Matrix,
ype: C=Concentration, D=Depletion, I	RM=Reduced Matrix, CS=Covered of Coaled Sand G	Indicators for Problematic Hydric Soils ³ :
/dric Soil Indicators: (Applicable to	all LRRS, unless otherwise noted.)	2 cm Muck (A10)
_ Histosol (A1)	Sandy Redox (S5)	Red Parent Material (TF2)
_ Histic Epipedon (A2)	Loamy Mucky Mineral (E1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
_ Black Histic (A3)	Loamy Gleved Matrix (F2)	Other (Explain in Remarks)
_ Hydrogen Sumde (A4) Dopleted Below Dark Surface (A11)	Depleted Matrix (F3)	<u> </u>
_ Depieted Below Data Galdoc (****) Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depieted Dark Surface (F7)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
estrictive Layer (if present):		
Туре:	- <u></u>	
Depth (inches):		Hydric Soil Present? Yes No/
ematic:		
	No redix toot	res.
(DROLOGY	No redix toot	nes.
(DROLOGY /etland Hydrology Indicators:	No redix toot	
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one rec	puired; check all that apply)	Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1)	Quired; check all that apply) 	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2)	guired; check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
YDROLOGY Vetland Hydrology Indicators: <u>Primary Indicators (minimum of one rec</u> Surface Water (A1) High Water Table (A2) Saturation (A3)	auired; check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Salt Crust (B11)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Quired: check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13)	<u>Secondary Indicators (2 or more required)</u> <u>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</u> Drainage Patterns (B10) <u>Dry-Season Water Table (C2)</u>
/DROLOGY Vetland Hydrology Indicators: <u>mimary Indicators (minimum of one rec</u> Surface Water (A1) <u>High Water Table (A2)</u> Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Quired; 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)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) poots (C3) Geomorphic Position (D2)
(DROLOGY Tetland Hydrology Indicators: rimary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Quired; check all that apply)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) poots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
(DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one rec 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)	Quired: check all that apply)	 Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) coots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5)
Yetland Hydrology Indicators: Primary Indicators (minimum of one reconstructure) 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)	Aquatic Invertebrates (B13) — Vater-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Ra — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (0 — Stunted or Stressed Plants (D1) (LRR	 Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one rec 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 Image	Auired: 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 Re — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C — Stunted or Stressed Plants (D1) (LRR ery (B7) — Other (Explain in Remarks)	 Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Frost-Heave Hummocks (D7)
/DROLOGY Vetland Hydrology Indicators: <u>Inimary Indicators (minimum of one rec</u> 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 Image Sparsely Vegetated Concave Surf	Auired; 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 Ra — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C — Stunted or Stressed Plants (D1) (LRR eny (B7) — Other (Explain in Remarks) face (B8)	Secondary Indicators (2 or more required)
/DROLOGY Vetland Hydrology Indicators: <u>mimary Indicators (minimum of one rec</u> 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 Image Sparsely Vegetated Concave Surf	guired; check all that apply)	Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one rec 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 Image Sparsely Vegetated Concave Surf Field Observations: Surface Water Present? Yes	Quired: check all that apply)	Secondary Indicators (2 or more required)
/DROLOGY /etland Hydrology Indicators: mimary Indicators (minimum of one rec 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 Image Sparsely Vegetated Concave Surf Field Observations: Surface Water Present? Yes	Quired; check all that apply)	Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: Crimary Indicators (minimum of one rec 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 Image Sparsely Vegetated Concave Surf Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	Auired; check all that apply)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Yetland Hydrology Indicators: 'rimary Indicators (minimum of one reconstructure) 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 Image Sparsely Vegetated Concave Surf Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	Auired; check all that apply)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY Vetland Hydrology Indicators: 'rimary Indicators (minimum of one rec 	Auired; check all that apply)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one rec 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 Image Sparsely Vegetated Concave Surf Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Sa	Auired; check all that apply)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) ettand Hydrology Present? Yes No
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one reconstructure) 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 Image Sparsely Vegetated Concave Surf Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes Saturation Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	Auired: check all that apply)	$\frac{Secondary Indicators (2 or more required)}{2}$ $\frac{Secondary Indicators (B9) (MLRA 1, 2, 4, 48)}{2}$ $\frac{Secondary Indicators (B10)}{2}$ $\frac{Secondary Indicators (B10)}{2}$ $\frac{Secondary Indicator (B10)}{2}$ \frac
Yetland Hydrology Indicators: Yimary Indicators (minimum of one recomposition of the second	Auired; check all that apply)	$\frac{Secondary Indicators (2 or more required)}{2}$ $\frac{Secondary Indicators (B9) (MLRA 1, 2, 46, 40)}{2}$ $\frac{Secondary Indicator (B10)}{2}$ $\frac{Secondary (C9)}{2}$ $\frac{Secondary (C9)}{2}$ $\frac{Secondary (B10)}{2}$ $\frac{Secondary (C9)}{2}$ $\frac{Secondary (B10)}{2}$ $\frac{Secondary (B10)}{$
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one recompositing the endition of the end of the en	Auired: check all that apply)	$\frac{Secondary Indicators (2 or more required)}{2}$ $\frac{Secondary Indicators (B9) (MLRA 1, 2, 46, 40)}{2}$ $\frac{Secondary Indicator (B10)}{2}$ $\frac{Secondary (C9)}{2}$ $\frac{Secondary (C9)}{2}$ $\frac{Secondary (B10)}{2}$ $\frac{Secondary (C9)}{2}$ $\frac{Secondary (B10)}{2}$ $\frac{Secondary (B10)}{$

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oject/Site: <u>JUCIEA Y TURN</u>	City/Count	y: SAT MOREL	Sampling Date: ////////
oplicant/Owner:		State: <u> </u>	Sampling Point:
vestigator(s): MEHAN	Section, T	ownship, Range:	`
andform (hillslope, terrace, etc.): <u>Next</u> + 6 K	Local relie	ef (concave, convex, none))	Slope (%):
ubregion (LRR):	Lat:	Long:	Datum:
bil Map Unit Name:		NWI clas	ssification:
e climatic / hydrologic conditions on the site typical	for this time of year? Yes _	No (If no, explain	in Remarks.)
re Vegetation, Soil, or Hydrology	significantly disturbed?	? Are "Normal Circumstanc	es" present? Yes No
re Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any an	iswers in Remarks.)
UMMARY OF FINDINGS - Attach site	map showing sampli	ng point locations, transe	ects, important features, etc.
Hydrophytic Vegetation Present? Yes	No		
Hydric Soil Present? Yes Ves		the Sampled Area thin a Wetland? Yes	V No
Wetland Hydrology Present? Yes	<u> No </u>		
Remarks:			
EGETATION - Use scientific names of	plants.		
	Absolute Dominar	nt Indicator Dominance Test	worksheet:
Tree Stratum (Plot size:)	<u>% Cover</u> Species	? _Status Number of Domina	int Species
1		That Are OBL, FAC	JW, or FAC: (A)
2		- Total Number of D	ominant (P)
3		Species Across Ail	Strata: (B)
4	= Total (Percent of Domina	Int Species
Sapling/Shrub Stratum (Plot size:)/	Browalonce Index	worksheet
1. Julix Spo	/0/	Total % Cover	rof Multiply by:
2		OBL species	x1=
3		FACW species	x2=
4	<u> </u>	FAC species	x3=
5		FACU species	x4=
Hoch Stratum (Plot size:)	$\frac{7}{0} = Total C$	Over UPL species	x5=
1 CACX Utricia ata	100	Column Totals:	(A) (B)
2		Prevalence 1	ndex = B/A =
3.		Hydrophytic Veg	etation Indicators:
4		1 - Rapid Test	for Hydrophytic Vegetation
5		2 - Dominance	≥ Test is >50%
6		3 - Prevalence	e Index is ≤3.0¹
7		4 - Morpholog	ical Adaptations ¹ (Provide supporting
8			naits of on a separate sheet)
9		= = ə - vveuand ivi Problematic H	Virophytic Vegetation ¹ (Evolain)
10		I Proviemation	ic soil and wetland hydrology must
11		be present, unless	disturbed or problematic.
Woody Vine Stratum (Plot size:	= 1 otal C	JUACI	······································
1			
		Vegetation	
2.	· · <u> </u>	Present?	Yes NO
2	= Total C	over	
2	= Total C	,over	

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Denth	Matrix		Redo	x Feature	<.				·
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type'	Loc ²	Te	exture	Remarks
) - 10	10 YN 45	90 7	5×2 J/8	10	$\overline{\mathbf{T}}$	M	Sa	1	
<u> </u>	, <u> </u>		<u>y</u>				. <u></u>		
		· <u> </u>		·	·		·	<u> </u>	,
		. <u></u>			·		·		
					·				
				<u> </u>					
		lation DM-D			d or Coot			21.0	ention: RI-Para Lining M-Matrix
lydric Soil	Indicators: (Applic	able to all LR	Rs. unless other	wise not	ed.)	a Sand C	ans.	Indicate	ors for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Redox (55)				2 0	n Muck (A10)
Histic E	bipedon (A2)		_ Stripped Matrix	(S6)				Rec	Parent Material (TF2)
Black H	istic (A3)		Loamy Mucky	Aineral (F	1) (excep	t MLRA 1)	Ver	y Shallow Dark Surface (TF12)
_ Hydroge	en Sulfide (A4)	}-	/Loamy Gleyed	Matrix (F2	2)			Oth	er (Explain in Remarks)
Deplete	d Below Dark Surface	e (A11) 🕌	Depleted Matrix	(F3)				3	
Thick D	ark Surface (A12)		Redox Dark Su	rface (F6)) - -\			"Indicate	ors of hydrophytic vegetation and
_ Sandy M Sandy C	Nucky Mineral (S1)	<u>. </u>	_ Depleted Dark Redox Depress	ions (F8)	-7)			unles	and hydrology must be present, as disturbed or problematic.
lestrictive	Layer (if present):						1	211104	
Tuno									1
1 1 1 1 1 1 1 1 1									
Depth (in	ches):		_				Ну	dric Soi	Present? Yes 🔽 No 🔛
Depth (in Remarks:	ches):	<u>ر</u> د	dox fr	ntur.	78 A	115	ну V≒ ۲	dric Soi	No <u>v</u> No <u>v</u>
Ype Depth (in Remarks: YDROLO	ches):	ر •	dox fr	ntur	4.S. A	15	ну Vъ́г	dric Soi	IPresent? Yes <u>V</u> No <u></u>
Ype Depth (in Remarks: YDROLO	ches): GY drology Indicators:	ે.	dox Fz	ntur	7.S A	112	Hy Vĩ r	dric Soi	IPresent? Yes <u>V</u> No <u></u>
YDROLO YDROLO Vetland Hy Primary India	GY drology Indicators: cators (minimum of o	ne required; c	dux Fş	ntu.«	4. <i>2</i> .9	\ <i>J</i> Ę	Hy Vĩ r	dric Soi	I Present? Yes <u>V</u> No <u></u> へついういいいでく ndary Indicators (2 or more required)
YDROLO YDROLO Vetland Hy Primary India	GY drology Indicators: cators (minimum of o Water (A1)	ne required; c	dux +=	ATK."	? . С. р. res (B9) (е	xcept	Hy Vĩ r	dric Soi Y <u>Seco</u>	I Present? Yes V No っ つ い う ひ い し い し い ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2
YDROLO YDROLO Vetland Hy Primary India Surface High Wa	GY drology Indicators: cators (minimum of o Water (A1) tter Table (A2)	ne required; c	theck all that appl Water-Sta	★ → ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★	۳.ک ۴ ves (B9) (e and 4B)	y √€ except	ну V է ۲	dric Soi	I Present? Yes <u>V</u> No o
YDROLO Vetland Hy Primary India Surface High Wa Saturati	GY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)	ne required; c	theck all that appl Water-Sta MLRA Salt Crust	y) ined Leav 1, 2, 4A, 3 (B11)	45 A res (B9) (e and 4B)	x.cept	ну V € ۲	dric Soi Y 	I Present? Yes V No o J N & WWCC ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Pattems (B10)
YDROLO YDROLO YDROLO Yotland Hy Primary India Surface High Wa Saturatia Water M	GY drology Indicators: cators (minimum of o Water (A1) tter Table (A2) on (A3) larks (B1)	ne required; c	theck all that appl water-Sta MLRA Aquatic in	x + x - x y) ined Leav 1, 2, 4A, 3 (B11) vertebrate	4.5 A res (B9) (e and 4B) es (B13)	x√€ except	<u>н</u> у V < г	dric Soi 7 <u>Seco</u> 	I Present? Yes V No o J J J J J J J J J J J J J J J J J J J
YDROLO YDROLO YOROLO Yetland Hy Primary India Surface High Wa Saturati Water M Sedimen	GY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)	ne required; c	theck all that appl water-Sta MLRA Salt Crust Aquatic in Hydrogen	y) ined Leav (B11) vertebrate Sulfide O	۲۹۵ م res (B9) (e and 4B) es (B13) dor (C1)	x.cept	ну V∹ ۲	dric Soi Y Seco [[[I Present? Yes V No
Pipe: Depth (in Remarks: YDROLO Yetland Hy Primary India Surface High Wa Saturatia Water M Sediment Drift Dep	GY drology Indicators: cators (minimum of o Water (A1) ther Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3)	ne required; c	theck all that appl water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe	**. * res (B9) (e and 4B) es (B13) dor (C1) eres along	xcept	Hy Vĩ r Nũ r	dric Soi <u>Y</u> <u>Seco</u> <u></u>	I Present? Yes V No a A N & WACCA Indary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aeriał Imagery (CS Seconorphic Position (D2)
Pipe Depth (in Remarks: YDROLO YDROLO Yetland Hy Primary India Surface High Wa Saturati Water M Sedimen Sedimen Sedimen Algal Ma	GY drology Indicators: cators (minimum of o Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	ne required; c	theck all that appl water-Sta MLRA Salt Crust Aquatic in Hydrogen Oxidized F Presence	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduce	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C	except	Hy V T r	dric Soi Y Seco 3) 3) 	I Present? Yes V No a J N & WVCC ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aeriat Imagery (C9 Secomorphic Position (D2) Shallow Aquitard (D3)
Pipe Depth (in Remarks: YDROLO YDROLO Vetland Hy Primary India Surface High Wa Saturatia Water M Sedimen Nedimen Algal Ma Iron Dep	GY drology Indicators: cators (minimum of o Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) posits (B5)	ne required; c	theck all that appl water-Sta Water-Sta MLRA Salt Crust Aquatic in Hydrogen Oxidized F Presence Recent Iro	y) ined Leav (B11) vertebrate Sulfide O Rhizosphe of Reduct	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C- ion in Tille	Except	Hy V T r oots (C	dric Soi <u>Y</u> <u>Seco</u> <u>S</u>	I Present? Yes V No o J N & WNCC ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Secomorphic Position (D2) Shallow Aquitard (D3) AC-Neutral Test (D5) Divised Anthemate (D5) (LER A)
YDROLO YDROLO YDROLO Yetland Hy Primary India Surface High Wa Saturatio Water M Sedimen Drift Dej Algal Ma Iron Def Surface	GY drology Indicators: cators (minimum of o Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I	ne required; c	theck all that appl Water-Sta Water-Sta MLRA Salt Crust Aquatic in Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Fry	x) ined Leav 1, 2, 4A, a (B11) vertebrate Sulfide O Rhizosphe of Reduct Stressed	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C4 ion in Tille i Plants (D	Living Ro 4) d Soils (C 1) (LRR /	Hy V ~ (60 4)	dric Soi Y I Seco	I Present? Yes V No o J J W WWUU No J W WWUU Nater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Secomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Trost-Heave Hummorks (D7)
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Pype Depth (in Remarks: YDROLO Vetland Hy rimary India Surface Saturation Sedimen Nater Ma Sedimen Nater Ma Sedimen Nater Ma Surface Iron Dep Algal Ma Drift Dep Algal Ma Surface Inundati Sparsely ield Obser iurface Water Vater Table aturation P ncludes ca iescribe Re	GY drology Indicators: cators (minimum of o Water (A1) ther Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Present? Y Present? Y pillary fringe) corded Data (stream	magery (B7) e Surface (B8) es No es No gauge, monit	theck all that appl water-Sta MLRA Water-Sta MLRA Salt Crust Aquatic in Hydrogen Oxidized F Presence Recent Irc Stunted or Other (Ex) Depth (in Depth (in Depth (in Cong well, aerial	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reducti Stressed olain in Re ches): ches): ches): photos, pr () SE	R R res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C-1) eres along S S revious ins revious ins	Living Ro 4) d Soils (C 1) (LRR / spections)	Hy V i r i r if ava	dric Soi Y I Seco	I Present? Yes V No o . J . J J J J J J J J J J J J J J J J

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WETLAND DETERMINATIO	ON DATA FORM – Western Mountains, Valleys, and Coast Region
rojecusite: SOCIETY TURN	City/County: SAN MiGHEL COUNTY Sampling Date: 7/17/13
pplicant/Owner: SMVC	State: CO Sampling Point: 5
vestigator(s): MEHAN	Section. Township. Range:
andform (hillstope, terrace) etc.): N=X7 tu R	RIVE Local relief (concave, convex, none) Slope (%): 2
ubregion (LRR):	Lat: Long: Datum:
oil Map Unit Name:	NWI classification:
re climatic / hydrologic conditions on the site typica	al for this time of year? Yes No (If no, explain in Remarks.)
re Vegetation . Soil . or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes No
re Vegetation Soil or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)
IMMARY OF FINDINGS - Attach site	man showing sampling point locations, transacts, important features, atc
Hydrophytic Vegetation Present? Yes	NO Is the Sampled Area
Wetland Hydrology Present? Yes Remarks:	No within a Wetland? Yes No No
Wetland Hydrology Present? Yes Remarks: /EGETATION – Use scientific names o	Mo Within a Wetland? Yes No No of plants. No No
Wetland Hydrology Present? Yes Remarks: /EGETATION – Use scientific names o	Mo
Wetland Hydrology Present? Yes Remarks: /EGETATION – Use scientific names o Tree Stratum (Plot size:) 1	Mo within a Wetland? Yes No of plants.
Wetland Hydrology Present? Yes Remarks: EGETATION – Use scientific names o Tree Stratum (Plot size:) 1 2	No within a Wetland? Yes No of plants.
Wetland Hydrology Present? Yes Remarks:	Mo within a Wetland? Yes No of plants.
Wetland Hydrology Present? Yes Remarks:	Mo within a Wetland? Yes No of plants.
Wetland Hydrology Present? Yes Remarks:	No within a Wetland? Yes No of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Number of Dominant Species
Wetland Hydrology Present? Yes Remarks:	No within a Wetland? Yes No of plants. Absolute Dominant Indicator Dominance Test worksheet: <u>% Cover</u> Species? Status Number of Dominant Species
Wetland Hydrology Present? Yes Remarks:	No within a Wetland? Yes No of plants.
Wetland Hydrology Present? Yes Remarks:	No within a Wetland? Yes No of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Number of Dominant Species Multiply by:
Wetland Hydrology Present? Yes Remarks:	Mo within a Wetland? Yes No of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Number of Dominant Species
Wetland Hydrology Present? Yes Remarks:	Mo within a Wetland? Yes No of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Number of Dominant Species
Wetland Hydrology Present? Yes Remarks:	Mo within a Wetland? Yes No of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Number of Dominant Species (A) Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species (D) (A/B) Percent of Dominant Species (D) (A/B) Prevalence Index worksheet: Total % Cover of: (Multiply by: OBL species x1 = FACW species x2 = FAC species x3 = FACU species x4 = UPL species x5 = UPL species x5 =

	•	
2		Prevalence Index = B/A =
3		Hydrophytic Vegetation Indicators:
4		1 - Rapid Test for Hydrophytic Vegetation
5		2 - Dominance Test is >50%
6		3 - Prevalence Index is ≤3.0 ¹
8		4 - Morphological Adaptations ¹ (Provide supporting 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
	/OU = Total Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)		
1		Hydrophytic
2		Vegetation
	= Total Cover	Present? Yes // No
% Bare Ground in Herb Stratum		
Remarks:		

Western Mountains, Valleys, and Coast - Version 2.0

SOIL

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file Desc	ription: (Describe)	to the dep	oth needed to docu	ment the i	ndicator o	or contist	the absenc	e of indicato	rs.)	
epth	Matrix		Redo	x Feature	<u>s</u>		~ .		Dor-ad-	
che <u>s)</u>	Color (moist)	%	Color (moist)	%	Type'	<u>Loc</u>			Remarks	<u>.</u>
2-10	Lova 4/1	91	2.54R.6/4	1	<u> </u>	N	Jac	SANE	-100 W 20	<u> </u>
					·		· · · · · · · · · ·			
/ne: C=C	concentration, D=Dep	letion, RM	/-Reduced Matrix, C	S=Covere	d or Coate	d Sand G	rains. ² L	ocation: PL=	Pore Lining, M=N	latrix.
dric Soil	Indicators: (Applic	able to a	ll LRRs, unless othe	erwise not	ed.)		Indica	tors for Prob	lematic Hydric S	Soils":
Histoso	I (A1)		Sandy Redox	(S5)			2	cm Muck (A1	D)	
- Histic E	pipedon (A2)		Stripped Matri	x (S6)			R	ed Parent Ma	terial (TF2)	0)
Black H	listic (A3)		Loamy Mucky	Mineral (F	1) (excep	t MLRA 1)	<u> </u>	ery Shallow D	ank Surface (TF1	<i>4</i>)
Hydrog	en Sulfide (A4)		Loamy Gleyed	Matrix (F:	2)		0	tner (Explain	n Remarks)	
_ Deplete	d Below Dark Surfac	æ (A11)	Pepleted Matr	ix (F3)			3+:	tore of huden	hutic variation	and
_ Thick D	ark Surface (A12)		Redox Dark S	urface (F6) 57)		Indica	tions or myoro	w must he nreser	nt.
_ Sandy I	Mucky Mineral (S1)		Depleted Dark	SUITACE (F7)		we uni	ess disturbed	or problematic.	,
Sandy	Gleyed Matrix (S4)	· •.	Redox Depres	510115 (F0)	· · · · · · ·				Freedoman	
estrictive	Layer (if present):								/	
Туре:							Undrig S	nil Prosont?	Yes 1	No
Donth (in	nches):							on r resente		
emarks:										
Departer emarks:	DGY			. <u></u>			· · · · · · · · · · · · · · · · · · ·			
Deput (in emarks: DROLC	DGY ydrology Indicators	:	red: check all that ap				Se	condary Indic	ators (2 or more r	equired)
Deput (II emarks: /DROL(/etland Hy rimary Ind	DGY ydrology Indicators licators (minimum of	: one requi	red; check all that ap Water-S	ply)	ves (B9) (except	<u>Se</u>	condary Indic	ators (2 or more r ed Leaves (B9) (I	equired) MLRA 1, 2,
DROLO	DGY ydrology Indicators licators (minimum of e Water (A1)	: one requi	red; check all that ap Water-S Water Mi R	ply) tained Lea	ves (B9) (except	<u>Se</u>	condary Indic Water-Stain 4A, and	ators (2 or more r ed Leaves (B9) (1 4 B)	equired) MLRA 1, 2,
DROLO TOROLO Tetland Hy rimary Ind Surface High W	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A2)	: one requi	red; check all that ap Water-S MLR Sait Cru	<u>ply)</u> tained Lea A 1, 2, 4A, st (B11)	ves (B9) (, and 4B)	except	<u>Se</u>	condary Indic Water-Stain 4A, and Drainage Pa	ators (2 or more r ed Leaves (B9) (1 4B) attems (B10)	equired) MLRA 1, 2,
DROLC etland H imary Ind Surface High W V Satura	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Morke (P1)	: one requi	red; check all that ap Water-S MLR Sait Cru Aquatic	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra	ves (B9) (, and 4B) tes (B13)	except	<u>Se</u>	condary Indic Water-Stain 4A, and Drainage Pa	ators (2 or more r ed Leaves (B9) (1 4B) attems (B10) Water Table (C2	<u>equired)</u> WLRA 1, 2,)
Deput (ii emarks: DROLC retland H imary Ind Surfac High W V Satura Water	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) art Desposite (P2)	: one requi	red; check all that ap Water-S MLR Sait Cru Aquatic Hydroge	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra	ives (B9) (, and 4B) tes (B13) Odor (C1)	except	<u>Se</u>	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N	ators (2 or more r ed Leaves (B9) (I 4B) ttems (B10) Water Table (C2 fisible on Aerial Ir	equired) MLRA 1, 2,) nagery (C9)
DROLO Tetland H rimary Ind Surface High W Satura Water Sedimu	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2)	: one requi	red; check all that ap Water-S Sait Cru Sait Cru Aquatic Hydroge Ovidized	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra en Sulfide (1 Rhizosph	ives (B9) (, and 4B) tes (B13) Odor (C1) peres along	except	<u>Se</u>	<u>condary Indic</u> Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic	ators (2 or more r ed Leaves (B9) (I 4B) attems (B10) Water Table (C2 fisible on Aeriat Ir : Position (D2)	<u>equired)</u> MLRA 1, 2,) nagery (C9)
DEPUT (II emarks: DROLO retland Hy rimary Ind Surface Utigh W Satura Sedimu Sedimu Drift D	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3)	: one requi	red; check all that ap Water-S MLR Sait Cru Aquatic Hydroge Oxidized Presend	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra en Sulfide (1 Rhizosph e of Redu	ives (B9) (, and 4B) tes (B13) Odor (C1) teres along ced iron (C	except	<u>Se</u>	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphic Shallow Aqu	ators (2 or more r ed Leaves (B9) (1 4B) attems (B10) Water Table (C2 fisible on Aeriat Ir position (D2) uitard (D3)	equired) MLRA 1, 2,) nagery (C9)
DEPUI (II emarks: DROLO retland Hy rimary Ind Surface High W Satura Satura Sedimu Chiff D Algal M	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) enancit (B5)	: one requi	red; check all that ap Water-S MLR Sait Cru Aquatic Hydroge Oxidized Presend Recent	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra en Sulfide (d Rhizosph ce of Reduc tron Reduc	tves (B9) (, and 4B) tes (B13) Odor (C1) heres along ced iron (C tion in Till	except g Living Ro (24) ed Soils (0	<u>Se</u> <u>Se</u> 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra	ators (2 or more r ed Leaves (B9) (1 4B) attems (B10) Water Table (C2 /isible on Aerial Ir : Position (D2) uitard (D3) if Test (D5)	equired) MLRA 1, 2,) nagery (C9)
Deput (ii emarks: DROLC etland H imary ind Surfac High W V Satura Water Sedim Drift D Aigal M Iron Do	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) ma Sail Capatre (B6)	: one requi	red; check all that ap Water-S Sait Cru Sait Cru Aquatic Hydroge Oxidized Presend Recent Stunted	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra en Sulfide (1 Rhizosph e of Reduc fron Reduc or Stresse	tes (B9) (and 4B) tes (B13) Odor (C1) teres along ced iron (C tion in Till ed Plants (except g Living Ro 24) ed Soils (0 D1) (LRR	<u>Se</u> <u>Se</u> 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra Raised Ant	ators (2 or more r ed Leaves (B9) (I 4B) waterns (B10) Water Table (C2 /isible on Aerial Ir : Position (D2) uitard (D3) I Test (D5) Mounds (D6) (LR	equired) MLRA 1, 2,) nagery (C9
DEPUI (II emarks: DROLO retiand H imary Ind Satura Urigh W Satura Satura Satura Drift D Algal M Iron Du Surfac	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) xe Soil Cracks (B6) ation Visible on Apria	: one requi	red; check all that ap Water-S Sait Cru Sait Cru Aquatic Hydroge Oxidized Presend Recent Stunted (87) Other (fr	ply) tained Lea A 1, 2, 4A, st (B11) Invertebrai en Sulfide (d Rhizosph e of Reduc iron Reduc or Stresse Explain in F	ves (B9) (and 4B) tes (B13) Odor (C1) teres along ced iron (C tion in Till ed Plants (Remarks)	except g Living Ro 24) ed Soils (C D1) (LRR	Se Se 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphic Shallow Age FAC-Neutra Raised Ant Frost-Heave	ators (2 or more r ed Leaves (B9) (1 4 B) Matems (B10) Water Table (C2 /isible on Aeriat Ir : Position (D2) witard (D3) If Test (D5) Mounds (D6) (LR e Hummocks (D7)	equired) MLRA 1, 2,) nagery (C9 R A)
DEPUI (II emarks: DROLO retiand H imary Ind Surfac High W Satura Satura Satura Sedim Sedim Sedim Sedim Surfac Iron D Surfac Surfac	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) xe Soil Cracks (B6) ation Visible on Aeria	: one requi	red; check all that ap Water-S Sait Cru Aquatic Hydroge Oxidized Presenc Recent Stunted (B7) Other (B	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra tain Sulfide (d Rhizosph ta of Reduc ron Reduc or Stresse Explain in F	ves (B9) (and 4B) des (B13) Odor (C1) heres along ced iron (C tion in Till ed Plants (Remarks)	except g Living Ro (24) ed Soils (C D1) (LRR	Se Se 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphic Shallow Aq FAC-Neutra Raised Ant Frost-Heave	ators (2 or more r ed Leaves (B9) (I 4B) attems (B10) Water Table (C2 fisible on Aerial Ir Position (D2) <i>u</i> itard (D3) If Test (D5) Mounds (D6) (LR e Hummocks (D7)	equired) MLRA 1, 2,) nagery (C9) (R A)
DEPUT (II emarks: DROLO retiand H imary Ind Surfac Utigh W Satura Satura Satura Drift D Algal M Iron D Surfac Surfac Surfac Surfac	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) the Soil Cracks (B6) ation Visible on Aeria ely Vegetated Conca	: one requi	red; check all that ap Water-S MLR Sait Cru Aquatic Hydroge Oxidized Presend Recent Stunted (B7) Other (B	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra en Sulfide (d Rhizosph e of Reduc fron Reduc or Stresse Explain in F	ives (B9) (and 4B) tes (B13) Odor (C1) heres along ced iron (C tion in Till ed Plants (Remarks)	except g Living Ro (24) ed Soils (C D1) (LRR	Se Se 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aq FAC-Neutra Raised Ant Frost-Heave	ators (2 or more r ed Leaves (B9) (I 4B) ttems (B10) Water Table (C2 fisible on Aerial Ir position (D2) <i>u</i> itard (D3) I Test (D5) Mounds (D6) (LR e Hummocks (D7	equired) MLRA 1, 2,) nagery (C9) (R A)
Deput (ii emarks: DROLO retland H rimary Ind Surfac Surfac Utigh W Satura Sedim Satura Drift D Algal M Iron D Surfac Surfac Surfac Surfac Surfac	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) xe Soil Cracks (B6) ation Visible on Aeria ely Vegetated Conca ervations:	: one requi I Imagery ve Surfac	red: check all that ap Water-S Sait Cru Aquatic Hydroge Oxidized Presend Recent Stunted (B7) Other (B Pother (B)	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra en Sulfide (1 Rhizosph ron Reduc or Stresse Explain in F	ives (B9) (and 4B) tes (B13) Odor (C1) neres along ced iron (C tion in Till ed Plants (Remarks)	except g Living Ro 24) ed Soils (0 D1) (LRR	Se 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or more r ed Leaves (B9) (1 4B) Water Table (C2 fisible on Aeriat Ir Position (D2) <i>ii</i> tard (D3) I Test (D5) Mounds (D6) (LR e Hummocks (D7	equired) MLRA 1, 2,) nagery (C9) (R A)
DEptil (iii emarks: DROLO Tetland H rimary Ind Surface Sedim Sedim Sedim Sedim Iron De Surface Inunda Sparse iteld Obse	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) ve Soil Cracks (B6) ation Visible on Aeria ely Vegetated Conca ervations: fater Present?	: one requi	red; check all that ap 	ply) tained Lea A 1, 2, 4A, st (B11) Invertebrai en Sulfide (1 Rhizosph e of Reduc or Stresse Explain in F (inches): (inches):	ives (B9) (and 4B) tes (B13) Odor (C1) heres along ced iron (C tion in Till cd Plants (Remarks)	except g Living Ro 24) ed Soils (C D1) (LRR	<u>Se</u> 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or more r ed Leaves (B9) (1 4B) attems (B10) Water Table (C2 fisible on Aeriat Ir position (D2) attard (D3) it Test (D5) Mounds (D6) (LR e Hummocks (D7	<u>equired)</u> MLRA 1, 2,) nagery (C9)
DEptil (ii emarks: DROLO Vetland Hy rimary Ind Surface Sedimu Surface Surface W	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) re Soil Cracks (B6) ation Visible on Aeria ely Vegetated Conca ervations: fater Present?	I Imagery ve Surfac Yes	red; check all that ap Water-S MLR Sait Cru Aquatic Hydroge Oxidized Presend Recent Stunted (B7) Other (B e (B8) No Depth Depth Depth	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra en Sulfide (1 Rhizosph e of Reduc or Stresse Explain in F (inches):	eves (B9) (, and 4B) tes (B13) Odor (C1) heres along ced iron (C tion in Till ed Plants (Remarks)	except g Living Ro 24) ed Soils (C D1) (LRR	Se Se 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or more r ed Leaves (B9) (1 4B) attems (B10) Water Table (C2 fisible on Aerial Ir : Position (D2) attard (D3) at Test (D5) Mounds (D6) (LR e Hummocks (D7	equired) MLRA 1, 2,) nagery (C9) (R A))
DEPUT (II emarks: DROLO Vetland H rimary Ind Surface Vater Sedimu Satura Sedimu Satura Nater Surface Surface Surface Surface Surface Surface Surface Surface Surface Surface Surface Surface Surface W Vater Tab Saturation includes co Describe F	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) xe Soil Cracks (B6) ation Visible on Aeria ely Vegetated Conca ervations: fater Present? le Present? Present? Present? Sapillary fringe) Recorded Data (streaget)	I Imagery ve Surfac Yes Yes Yes Yes	red; check all that ap 	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra en Sulfide (d Rhizosph e of Reduc iron Reduc or Stresse Explain in F (inches):	ves (B9) (and 4B) des (B13) Odor (C1) heres along ced iron (C tion in Till ed Plants (Remarks)	except g Living Ro 24) ed Soils (C D1) (LRR	Se Se 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or more r ed Leaves (B9) (I 4B) attems (B10) Water Table (C2 fisible on Aerial Ir Position (D2) uitard (D3) I Test (D5) Mounds (D6) (LR e Hummocks (D7)	<u>equired)</u> MLRA 1, 2,) magery (C9) (R A)) No
Depuil (iii emarks: DROLO Vetland H rimary Ind Surface Urigh W Satura Sedim Sedim Sedim Sedim Surface Surface	DGY ydrology Indicators iicators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) ve Soil Cracks (B6) ation Visible on Aeria ely Vegetated Conca ervations: later Present? he Present? Present? Present? capillary fringe) Recorded Data (streat	I Imagery ve Surfac Yes Yes Yes	red; check all that ap Water-S MLR Salt Cru Aquatic Hydroge Oxidized Presence Recent Stunted (B7) Other (B e (B8) No Depth No Depth Mo Depth monitoring well, aer	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra en Sulfide (1 Rhizosph re of Reduc or Stresse Explain in F (inches): (inches): (inches): (inches): al photos,	ves (B9) (and 4B) tes (B13) Odor (C1) neres along ced iron (C tion in Till ed Plants (Remarks)	except g Living Ro 24) ed Soils (C D1) (LRR 	Se 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or more r ed Leaves (B9) (1 4B) attems (B10) Water Table (C2 fisible on Aeriat Ir Position (D2) attard (D3) at Test (D5) Mounds (D6) (LR e Hummocks (D7 ? Yes	equired) MLRA 1, 2,) nagery (C9) (R A)) No
DEptil (iii emarks: DROLO DEtand Hy rimary Ind Surface Sedimu Surface Surface Surface Surface Surface Surface Surface Surface Secribe Secribe Secribe Secribe Secribe	DGY ydrology Indicators iicators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) ze Soil Cracks (B6) ation Visible on Aeria ely Vegetated Conca ervations: fater Present? Present? Present? Present? Recorded Data (streaget)	I Imagery ve Surfac Yes Yes Yes	red; check all that ap Water-S MLR Sait Cru Aquatic Hydroge Oxidized Presend Recent Stunted (B7) Other (B e (B8) No Depth No Depth Mo Depth Mo Depth Contest	ply) tained Lea A 1, 2, 4A, st (B11) Invertebrai en Sulfide (1 Rhizosph e of Reduc or Stresse Explain in F (inches): (inches): (inches): al photos,	ves (B9) (and 4B) tes (B13) Odor (C1) heres along ced iron (C tion in Till ed Plants (Remarks) C To E - 6	except g Living Ro 24) ed Soils (C D1) (LRR mspections		condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or more r ed Leaves (B9) (1 4B) attems (B10) Water Table (C2 fisible on Aeriat Ir Position (D2) aitard (D3) If Test (D5) Mounds (D6) (LR e Hummocks (D7 ? Yes	equired) MLRA 1, 2,) nagery (C9) (R A)) No
DEptil (ii emarks: DROLO Vetland Hy rimary Ind Surface Surface Sedimu Satura Sedimu Satura Sedimu Satura Sedimu Satura Sedimu Satura Sedimu Satura Sedimu Satura Surface Surface Surface W Vater Tab Saturation includes c Describe F Remarks:	DGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) xe Soil Cracks (B6) ation Visible on Aeria ely Vegetated Conca ervations: fater Present? Ise Present? Present? Present? Recorded Data (streaged)	I Imagery ve Surfac Yes Yes Yes m gauge,	red; check all that ap Water-S MLR Salt Cru Aquatic Hydroge Oxidizer Presend Recent Stunted (B7) Other (B8) No Depth No Depth No Depth monitoring well, aer	ply) tained Lea A 1, 2, 4A, st (B11) Invertebra en Sulfide (d Rhizosph e of Reduc or Stresse Explain in F (inches): (inches): (inches): al photos,	ves (B9) (and 4B) tes (B13) Odor (C1) heres along ced iron (C tion in Till ed Plants (Remarks)	except except ed Soils (C D1) (LRR we nspections	Se 	condary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphia Shallow Aq FAC-Neutra Raised Ant Frost-Heave	ators (2 or more r ed Leaves (B9) (1 4B) attems (B10) Water Table (C2 /isible on Aerial Ir : Position (D2) uitard (D3) If Test (D5) Mounds (D6) (LR e Hummocks (D7) ? Yes	equired) MLRA 1, 2,) nagery (C9 R A)) No

1

roject/Site: 50 CIERY TURN	City/County: SAN MiGUEL COUNTY Sampling Date: 7/17/13
pplicant/Owner: <u>SMVC</u>	State: <u>CO</u> Sampling Point: <u>6</u>
vestigator(s): <u>MEHAN</u>	Section, Township, Range:
andform (hillslope, terrace, etc.):	Local relief (concave, convex, none): Slope (%):
ubregion (LRR): Li	t: Datum:
oil Map Unit Name:	NWI classification:
re climatic / hydrologic conditions on the site typical for this tim	e of year? Yes No / (If no, explain in Remarks.)
re Vegetation, Soil, or Hydrology signif	cantly disturbed? Are "Normal Circumstances" present? Yes No
re Vegetation, Soil, or Hydrology natur	Illy problematic? (If needed, explain any answers in Remarks.)
UMMARY OF FINDINGS - Attach site map sho	wing sampling point locations, transects, important features, etc.
Hydronbytic Vegetation Present? Yes / No	
Hydrophyde Vegetation i resent?	Is the Sampled Area
Wetland Hydrology Present? Yes No	within a Wetland? Yes No/
Remarks:	+ 1 CD P-him Aust
M1 50 13 pr	TON OF NONIO RUNG
	OLD TOIL WOR
EGETATION – Use scientific names of plants.	
Tree Stratum (Plot size:))	solute Dominant Indicator Dominance lest worksheet:
1	That Are OBL, FACW, or FAC: (A)
2	Total Number of Dominant
3	Species Across All Strata: (B)
4	Percent of Dominant Species ((77))
Sapling/Shrub Stratum (Plot size:)	= Total Cover That Are OBL, FACW, or FAC: (A/B)
1	Prevalence index worksheet:
2	<u></u> OB: species x 1 =
3	A 1 = FACW species x 2 =
4	FAC species x 3 =
5	X4 =
Herb Stratum (Plot size:)	= Total Cover UPL species x 5 =
1. J Arcticus	OV (A) (B)
2	Prevalence Index = B/A ⇒
3	Hydrophytic Vegetation Indicators:
4	
5	2 - Dominance Test is >50%
6	3 - Prevalence Index is ≤3.0 ¹
7	4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
8	5 - Wetland Non-Vascular Plants ¹
	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
2	Present? Yes No
% Bare Ground in Herb Stratum	

US Army Corps of Engineers

3

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Western Mountains, Valleys, and Coast - Version 2.0

SOIL	

6

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OiL								Sampling Point:
rofile Desc	cription: (Describe t	to the dep	oth needed to docum	nent the	indicator	or confirm	the absence	e of indicators.)
Depth	Matrix		Redo	<u>x Feature</u>	<u>es</u>	···,	T !	Domorte
(inches)	Color (moist)	%	Color (moist)	%		<u>Loc*</u>		Remarks
6	10 XE 4/2					<u> </u>	Jal	
17,	7.5YN312	100	2540 416	Σ	レ	M	<u>i</u>	any in small part of moting
	· ····		·					
<u> </u>		·						
Type: C=C	Concentration, D=Dep	letion, RM		S=Cover	ed or Coate	ed Sand Gra	ains. ² L	ocation: PL=Pore Lining, M=Matrix.
lydric Soil	Indicators: (Application	able to al	II LRRs, unless othe	rwise no	oted.)		Indica	tors for Problematic Hydric Soils":
Histoso	I (A1)		Sandy Redox (S5)			2	cm Muck (A10)
Histic E	pipedon (A2)		Stripped Matrix	(S6)			Re	ed Parent Material (1F2)
Biack H	listic (A3)		Loamy Mucky	Mineral (F1) (excep	t MLRA 1)	Ve	ther (Evolution in Remarks)
Hydrog	en Sulfide (A4)	- 18 4 4	Loamy Gleyed	Matrix (F	-2)		0	
Deplete	ed Below Dark Surfac	æ (A11)	Depleted Math	x (rə) Irface (Fi	6)		³ Indica	ators of hydrophytic vegetation and
Thick D	Dark Surface (A12)		Redux Dark St	Surface (i	(F7)		wei	tland hydrology must be present,
Sandy Sandy i	Gleved Matrix (S4)		Redox Depres	sions (F8	3)		uni	ess disturbed or problematic.
Restrictive	Layer (if present):	•			<u> </u>			/
Type:	-							
Depth (ir	nches):						Hydric So	oil Present? Yes No
Remarks:		l	redox foot	Na 1	oNly	occur	in t	FINES IN Soil (in elunps)
			Not		~05t e	r the	profi	
IYDROLO	DGY							
Wetland H	ydrology Indicators	:						
Primary Ind	dicators (minimum of	<u>one requi</u>	red; check all that ap	oly)			<u>Sec</u>	condary Indicators (2 or more required)
Surfac	æ Water (A1)		Water-SI	ained Le	aves (B9) (except		Water-Stained Leaves (B9) (MLKA 1, 2,
High V	Vater Table (A2)		MLR/	a 1, 2, 4 <i>4</i>	A, and 4B)			4A, and 4B)
Satura	ition (A3)		Salt Crus	st (B11)				Drainage Patterns (B10)
Water	Marks (B1)		Aquatic I	nvertebra	ates (B13)		·	Dry-Season Water Table (C2)
Sedim	ent Deposits (B2)		Hydroge	n Sulfide	Odor (C1)			Saturation Visible on Aenal Imagery (Ce)
Drift D	eposits (B3)		Oxidized	l Rhizosp	heres alon	g Living Ro	ots (C3)	Geomorphic Position (D2)
Aigal M	Mat or Crust (B4)		Presenc	e of Redu	uced iron ((C4)		Shallow Aquitard (D3)
iron D	eposits (B5)		Recent l	ron Redu	uction in Til	led Soils (C	6) <u> </u>	FAC-Neutral Test (US)
Surfac	e Soil Cracks (B6)		Stunted	or Stress	ed Plants (U1) (LRK /	•)	_ Raised Ant Mounds (DO) (LENCA)
Inunda	ation Visible on Aerial	Imagery	(B7) Other (E	xplain in	Remarks)			_ Flost-neave hummocks (D7)
Spars	ely Vegetated Conca	ve Surfac	e (B8)					· · · · · · · · · · · · · · · · · · ·
Field Obs	ervations:							
Surface W	later Present?	Yes		inches):				· · · · · /
Water Tab	e Present?	Yes	- No - Depth (inches):				No No
Saturation	Present?	Yes	_ No Depth ((inches):		wet	uano Hyoroi	logy Present? Tes No
Describe F	Recorded Data (strea	m gauge,	monitoring well, aeria	al photos	, previous i	nspections)), if available:	
Remarks:			Soil	VEN	dri	A DO	not h	s located m
			d.	0.45		1 · ·	in th	F RILISA
			11/24	<u>P</u> 4	to we	11 400	~ 11	

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WETLAND DETERMINAT	ION DATA FORM – Wester	n Mountains, Valleys, a	ind Coast Region
Project/Site: SUCIERY THIN	City/County:	SON MIGHE	Sampling Date:
Applicant/Owner: <u><u>SMVC</u></u>		State:	Sampling Point:
nvestigator(s):	Section, Town	iship, Range:	()
andform (hillslope, barrace, etc.):	Local relief (C	oncave convex, none):	Slope (%):
Subregion (LRR):	Lat:	Long:	Datum:
Soil Map Unit Name:	·····	NWI clas	sification:
Are climatic / hydrologic conditions on the site typ	ical for this time of year? Yes	No (If no, explain	in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstance	es' present? Yes No
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any an	swers in Remarks.)
SUMMARY OF FINDINGS – Attach si Hydrophytic Vegetation Present? Yes _ Hydric Soil Present? Yes _	te map showing sampling	point locations, transe Sampled Area a Wetland? Yes _	cts, important features, etc.
Wetland Hydrology Present? Yes _	No		
Remarks: Wats/ 25 P. Wister 15	om and Firibation attitical.	V ditch & powe	4,
VEGETATION - Use scientific names	of plants.		
Tree Stratum (Plot size:) 1.	Absolute Dominant I <u>% Cover Species?</u>	Status Dominance lest Number of Domina That Are OBL, FAG	nt Species (A)
23		Total Number of D Species Across All	orninant <u>3</u> (B)
4	= Total Cov	Percent of Domina	nt Species (A/B)

2		· · · · · · · · · · · · · · · · · · ·	Species Across All Strata: (B)
4			Percent of Dominant Species C-7
Santing/Shrub Stratum (Plot size:)		_ = Total Cover	That Are OBL, FACW, or FAC: (A/B)
Capiting/Childe Officiation () los official			Prevalence Index worksheet:
	` <u>`</u>		Total % Cover of: Multiply by:
		•	OBL species x 1 =
			FACW species x2 =
4,			FAC species x 3 =
5.		= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)			UPL species x 5 =
1. POD protENSIS	_ 25	<u> </u>	Column Totals: (A) (B)
2 RUMES CRISPIN		FOLW	
3 VERONICO AMERICANA	<u> </u>	1 Del	Prevalence Index = B/A =
4 Epilopium angustitolia	15	V Foll	Hydrophytic Vegetation Indicators:
5			L Dominance Test is >50%
6			Prevalence Index is ≤3.0'
7	<u></u>		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
41	75-	= Total Cover	De present, unicas dictarbou or prosentation
Woody Vine Stratum (Plot size:)		3.5/14	
1			Hydrophytic
2			Present? Yes No
% Bare Ground in Herb Stratum	<u></u>	= Total Cover	
Remarks:			

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Western Mountains, Valleys, and Coast - Interim Version

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rofile Description: (Describe	to the depti	n needed to docur	nent the i	indicator	or confirm	n the absence	of indicators.)
eoth Matrix		Redo	x Feature	s			
nches) Color (moist)	%	Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks
)-10 10/r S/2	100					L	
LAK LAVE 3/2	90 1	INM 6/5	10	Ь	M	1.	
	<u>/</u>			<u> </u>			·
			- <u></u>	· · · · · · · · · · · · · · · · · · ·			
pe: C=Concentration, D=De	pletion, RM=	Reduced Matrix, CS	S=Covere	d or Coate	d Sand Gr	rains. ² Loo	cation: PL=Pore Lining, M=Matrix,
Historol (A1)		Sandy Redox (86)	vi		2 cr	n Muck (A10)
Histic Eninedon (A2)		Stringed Matrix	(\$6)			Rec	Parent Material (TF2)
Black Histic (A3) Hydrogen Sulfide (A4)		Loamy Mucky M Loamy Gleyed	Aineral (F Matrix (F2	1) (excep	t MLRA 1)	Oth	er (Explain in Remarks)
Depleted Below Dark Surface	:e (A11)	Depleted Matrix	(F3)			-	
_ Thick Dark Surface (A12)	-	Redox Dark Su	rface (F6))		^a Indicato	ors of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	-	Depleted Dark	Surface (F	7)		wetla	ind hydrology must be present,
_ Sandy Gleyed Matrix (S4)		Redox Depress	ions (F8)			unies	ss disturbed or problematic.
strictive Layer (if present):							
Transat							
type:							//
Depth (inches):	DEplet10,	Nr clue +	0)//··	ntion	Wate	Hydric Soil	Present? Yes No <u>V</u>
Depth (inches): emarks: DROLOGY	DEplet10,	 Nr dwe +	0)//··	et) ud	Wate	Hydric Soil	Present? Yes No <u>V</u>
Depth (inches): emarks: /DROLOGY etiand Hydrology Indicators	10Eplet10,	NS JUNE +	0)// vi	esti un	Wats	Hydric Soil	Present? Yes <u>No</u>
Depth (inches): emarks: DROLOGY etland Hydrology Indicators imary Indicators (minimum of	DEplet 10,	NS CLUE +	o)//i	677 UN	Wate	Hydric Soil	ndary Indicators (2 or more required)
Depth (inches): emarks: DROLOGY etland Hydrology Indicators imary Indicators (minimum of Surface Water (A1):	DEplet 10, : : : : : :	NS JUE +	v)	es (B9) (d	Wat Si	Hydric Soil	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1,
Depth (inches): marks: DROLOGY atland Hydrology Indicators imary Indicators (minimum of Surface Water (A1): High Water Table (A2) Schumbing (A2)	DEplet 10; : : : : : :	NS JUE +	 x) (1) (1) x) x)	es (B9) (6	Wat S.	Hydric Soil	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Depth (inches): emarks: DROLOGY etland Hydrology Indicators imary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (P1)	DEplet 10; : : : :	NS JUE +	y) (B11) wertehreite	es (B9) (6)) (813)	Wot S.	Hydric Soil	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10)
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Depth (inches): marks: DROLOGY atland Hydrology Indicators imary Indicators (minimum of Surface Water (A1) - High Water Table (A2) Saturation (A3) - Water Marks (B1) - Sediment Deposits (B2) Drift Deposits (B2)	DEplet 10; : one required:	Ns Jue +	y) ined Leav A, and 4B (B11) vertebrate Sulfide O	es (B9) (d) es (B13) dor (C1)	Wot S	Hydric Soil	ndary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Semonthic Position (C2)
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eddSite State Sampling Date 24/19/13 iterat/Dume M16 U4 State CD Sampling Date 24/19/13 iteration M16 U4 State CD Sampling Date 24/19/13 signortion M16 U4 Section State CD Sampling Date 24/19/13 signortion M16 U4 Sampling Date 24/19/13 Local reliaf (concave, convex (non-bit indicator) Sampling Date 24/19/13 vegatation Sold or Hydrology significantly disturbed? No Vegatation Sold No No Vegatation Sold No Vegatation Sold No Vegatation Sold No Vegatation Vegatation Yes No Vegatation No Vegatation Vegatation Yes No Vegatation No Vegat	WETLAND DETERMINATION	I DATA FORM	- Western Mour	ntains, Valleys, and Coast Region
kcurtOwner: YML State: CQ Sampling Point: State: stigator(1): MEMAN Section, Township, Range. Stope (%); Y Stope (%); Y storm (Thistigge terrace, etc.): Load relief (concave, convex.(mpB): Datum: NMI (classification): Map Unit Name Long: NVI (classification): Datum: NVI (classification): Wegetation State: No (fino.explain Remarks.) NV Vegetation State: or Hydrology nethrally point locations, transects, important features, etc. wegetation Present? Yes No is the Sampled Area No (A) dicts Sci Present? Yes No is the Sampled Area No (A) marks: CocxH2 NEXH W Do F & 7. No (A) GETATION - Use scientific names of plants. States: States: (A) Total % Cover of Mominant Species (A) sampling Point Statum (Pot size:	ojecusite: SOCIETU TURN	Ci	ty/County: SAN N	Sampling Date: 2/ 1-7/13
atigstorish:	plicant/Owner: SMVC		· · · ·	State: Sampling Point:
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region (LRR): Lat: Long: Calum: Map Unit Name:	ndform (billstope) terrace, etc.):	L	ocal relief (concave, c	convex, nope): Slope (%):
New Data Nume New Classifications entrate / hydrologic conditions on the site typical for this time of year? Yea No (If no. explain In Remarks.) Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Vegetation Soil or Hydrology significantly disturbed? If needed. explain any answers in Remarks.) MMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc is the Sampled Area vdid Soil Present? Yes No	brenion // BB):	Lat:		Long: Datum:
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Are Normal Circumstances' present? Yes / No / Yes / Yes / No / Y	a climatic / hydrologic conditions on the site typical	for this time of year	? Yes No	(If no, explain in Remarks.)
Vegetation Seil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) MMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc Is the Sampled Area drophytic Vegetation Present? Yes No Ves yes No within a Welland? Yes No drophytic Vegetation Present? Yes No Ves No getation Hydrology Present? Yes No Ves No getation Hydrology Present? Yes No Ves No (A) getation (Plot size:	Vegetation Soil or Hydrology	significantly di	sturbed? Are *	Normal Circumstances" present? Yes V
Vegetation	e Vegetation Sail or Hydrology	naturally probl	lematic? (If ne	eded, explain any answers in Remarks.)
MMARY OF FINDINGS - Attach site map strong point receiver in provide strong transmission present? Yes			ampling point l	ocations, transects, important features, etc
victorylic Vegetation Present? Ves No Is the Sampled Area within a Wetland? Yes No detic Soli Present? Yes No Is the Sampled Area within a Wetland? Yes No GETATION - Use scientific names of plants. Cocx4£2 NEXA ++ U Do F MC GETATION - Use scientific names of plants. Absolute Dominant Indicator Number of Dominant Species (A) gettatum (Plot size: MC Cover Species Across Atl Stratum (B) gettatum (Plot size: — = Total Cover Total Number of Dominant Species (A) gettatum (Plot size: — = Total Cover Prevalence Index worksheet: (A) gettatum (Plot size: — = Total Cover Prevalence Index and Appations (B) gettatum (Plot size: _ _ _ Column Totals: (A) (B) gettatum (Plot size: _ _ _ _ _ _ _	UMMARY OF FINDINGS - Attach site i	nap snowing :		
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elland Hydrology Present? Yes No Image: Constraint of the state in the s	Hydric Soil Present? Yes	No	within a Wetlar	nd? Yes No
GETATION - Use scientific names of plants. GETATION - Use scientific names of plants. 'scour' Species? Status' 'scour' Species?' Species?' Species?' Species?' Species?' Species?' Species Species?' Species Speci	Netland Hydrology Present? Yes	No		
GETATION - Use scientific names of plants. se Stratum (Plot size:	Remarks: Locisted	NEX7 to	WOOF #7.	
GETATION - Use scientific names of plants. ea Stratum (Plot size:				
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ee Stratum (Plot size:	EGETATION - Ose scientific fictions of	Absolute	Dominant Indicator	Dominance Test worksheet:
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US Army Corps of Engineers

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Western Mountains, Valleys, and Coast - Interim Version

Profile Description: (Describe to the depth needed to document the indicator or co Depth <u>Matrix Redox Features</u> (inches) Color (moist) % Type ¹ Lor	
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Appendix D



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.

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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.