POTENTIAL WATERS OF THE U.S. DELINEATION REPORT

FOR

JAYNE'S PARCEL PROJECT EL PASO COUNTY, COLORADO PROJECT NO. 22-008

Prepared for:

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1 INTRODUCTION

CORE Consultants, Inc. (CORE) was contracted by Classic Communities to perform a potential Waters of the U.S. (WOTUS) delineation for the proposed mixed-use development Jayne's Parcel Project in El Paso County, Colorado. The proposed Project would include the construction of single-family residential lots, open spaces, a detention pond, and commercial facilities. CORE completed the delineation to aid in avoidance and minimization of impacts to Waters of the U.S. (WOTUS). This report contains the methods, results, and conclusions of the delineation.

The Study Area encompasses 141 acres, southwest of the intersection of Vollmer Road and Poco Road in El Paso County. The Study Area ranges in elevation from 7,090 to 7,230 feet above mean sea level, and is situated on the U.S. Geological Survey (USGS) Falcon NW, Colorado 7.5-minute quadrangle (USGS 2019) within Sections 28 and 33 of Township 12 South, Range 65 West, 6th Principal Meridian.

2 **REGULATORY SETTING**

The U.S. Army Corps of Engineers (USACE) and U.S. Environmental Protection Agency (EPA) regulate the discharge of dredged and fill material into jurisdictional WOTUS pursuant to Section 404 of the Clean Water Act (CWA).

The USACE typically has jurisdiction over navigable or traditionally navigable waters, relatively permanent waters, and wetlands that abut such waters, and determines jurisdiction over other waters based predominantly on their significant nexus to navigable or traditionally navigable waters (i.e., WOTUS). The Navigable Waters Protection Rule, which became effective on June 22, 2020, changed the definition of a jurisdictional Water of the U.S (EPA 2020). However, on August 30, 2021, the Navigable Waters Protection Rule was vacated by order of the U.S. District Court for the District of Arizona, and on December 7, 2021, a proposed rule to reinstate the pre-2015 WOTUS definition more broadly applies federal Register (EPA 2021a; EPA 2021b). The pre-2015 WOTUS definition more broadly applies federal jurisdiction to streams and wetlands than the recently vacated Navigable Waters Protection Rule. A public comment period for the proposed rule closed on February 7, 2022 (EPA 2021b). The features delineated in the Study Area may be considered jurisdictional by the USACE. Only the USACE can render an approved jurisdictional determination.

Section 40 of the Code of Federal Regulations Part 232.2 describes activities that do not require a permit under CWA Section 404. Residential and commercial development construction activities regulated under the CWA which typically require a CWA Section 404 permit include temporary construction disturbance, grading, access using heavy equipment, and placement of material or foundations within WOTUS.

The 2021 Nationwide Permit (NWP) 29-Residential Developments may authorize construction of residential developments including building foundations, building pads, and attendant features that do not cause the loss of greater than 0.5 acres of WOTUS and qualify for other thresholds in the 2021 Regional Conditions to Nationwide Permits in the State of Colorado. The NWP 29 can be considered if all proposed impacts to jurisdictional waters are directly related to residential developments and associated infrastructure. Alternatively, impacts to WOTUS due to construction of commercial facilities within a mixed-use development can be covered under the NWP 39 –

Commercial and Institutional Developments. NWP 39 retains the limitation of no loss greater than 0.5 acres of WOTUS and other thresholds in the 2021 Regional Conditions. An understanding of proposed impacts to WOTUS is necessary to determine the permits needed to authorize the activities in WOTUS.

In Colorado, joint Section 404 and 401 permitting is available through the NWP program (CDPHE 2017). NWPs are certified by the Colorado Department of Public Health and Environment (CDPHE) at each reissuance of NWPs. Certain NWPs certified by the CDPHE are conditionally certified, and applicants for those certain NWPs must comply with the general conditions issued by the CDPHE.

3 METHODS

CORE conducted a desktop review and field delineation for wetlands and other potential WOTUS within the Study Area (Figure 3.1). The delineation was conducted according to methods described in the 1987 USACE Wetland Delineation Manual (USACE 1987) and the Regional Supplement to the USACE Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0, USACE 2010).

The field delineation was completed on February 1 and 9, 2022. The wetland scientist delineated and mapped boundaries of features within the Study Area during the field delineation.

3.1 Desktop Review

A review of desktop data sources was performed to determine the presence and location of potential wetlands and other WOTUS within the Study Area.

- U.S. Department of Agriculture (USDA) National Aerial Imagery Program imagery (USDA 2021a)
- USDA Natural Resources Conservation Service County soil survey maps (USDA 2021b)
- U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) Maps (USFWS 2021)
- USGS Topographic Maps (USGS 2019)
- USGS National Hydrography Dataset (NHD; USGS 2021)
- Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (FEMA 2022)
- EPA Ecoregions of the Continental United States (Chapman et al. 2006)

3.2 Field Survey

CORE staff collected data for wetland and upland sample plots in the Study Area and reviewed the plots for indicators of hydrophytic vegetation, hydric soil, and hydrology in order to document jurisdictional wetlands. Potential WOTUS were evaluated for ordinary high water mark (OHWM) characteristics following methods in the Guide to Ordinary High Water Mark (OHWM) Delineation for Non-Perennial Streams in the Western Mountains, Valleys, and Coast Region of the United States (USACE 2014). Plants were identified using the Flora of Colorado (Ackerfield 2015). Wetland indicator status for vegetation was determined following the 2020 National Wetland Plant List (USACE 2021). The 2020 National Wetland Plant List attributes species with five ratings based on their occurrence within wetlands (Table 3.1; USACE 2021). Data for each sample plot were collected on the Wetland Determination Data Sheet: Western Mountains, Valleys, and Coast Region (Appendix A) and site photos and sample plots were captured as well (Appendix B).

TABLE 3.1 WETLAND INDICATOR STATUS

Indicator Status (abbreviation)	Occurrence in Wetlands
Obligate (OBL)	almost always occur in wetlands
Facultative Wetland (FACW)	usually occur in wetlands, but may occur in non- wetlands
Facultative (FAC)	occur in wetlands and non-wetlands
Facultative Upland (FACU)	usually occur in non-wetlands, but may occur in wetlands
Upland (UPL)	almost always occur in non-wetlands

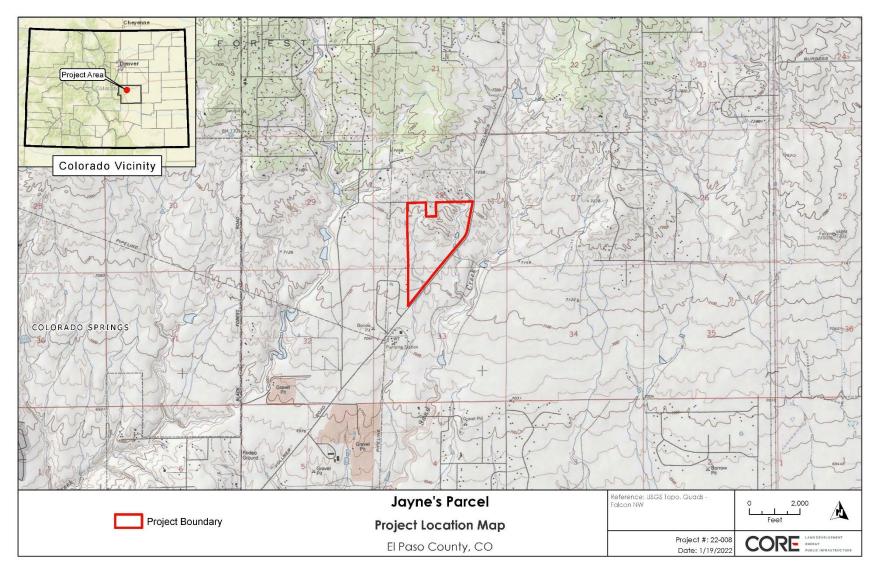


Figure 3.1 Project Location Map

4 **RESULTS**

4.1 Desktop Review

NWI and NHD indicated the presence of potential WOTUS, including two unnamed, intermittent streams and three freshwater ponds, which intersect the Study Area at multiple locations (Figure 4.1). NHD states that the stream on the western side of the Study Area has an annual mean flow of less than one cubic foot per second (USGS 2021). Similar parameters were not available for the stream on the eastern side of the Study Area.

The Study Area is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X (FEMA 2022). Other flood hazard types in the vicinity of the Study Area are located 0.23 miles east and 0.60 miles west of the Study Area and are both FEMA-mapped Floodplain, Zone AE (Regulatory Floodway; Figure 4.2).

The Study Area consists of Pring coarse sandy loam soils, with 3 to 8 percent slopes (Figure 4.3; USDA 2021b). Pring soils exhibit rapid permeability, good drainage, and slow runoff. They can have slope gradients ranging from 0 to 30 or more percent. Pring soils are typically found on hills, ridges, alluvial fans, and valley side slopes (Soil Survey Staff et al. 1999)

The Study Area is in the Foothill Grasslands Level IV Ecoregion of the Southwestern Tablelands Level III Ecoregion (Chapman et al. 2006). The Foothill Grasslands region includes a mix of grassland types with isolated pockets of tallgrass prairie species and is dominated by loamy, gravelly, deep and mesic substrate. Pine woodlands are scattered throughout the region. Common plant species in the region include big bluestem (Andropogon gerardii), little bluestem (Schizachyrium scoparium), yellow indiangrass (Sorghastrum nutans), and switchgrass (Panicum virgatum L.; Chapman et al. 2006).



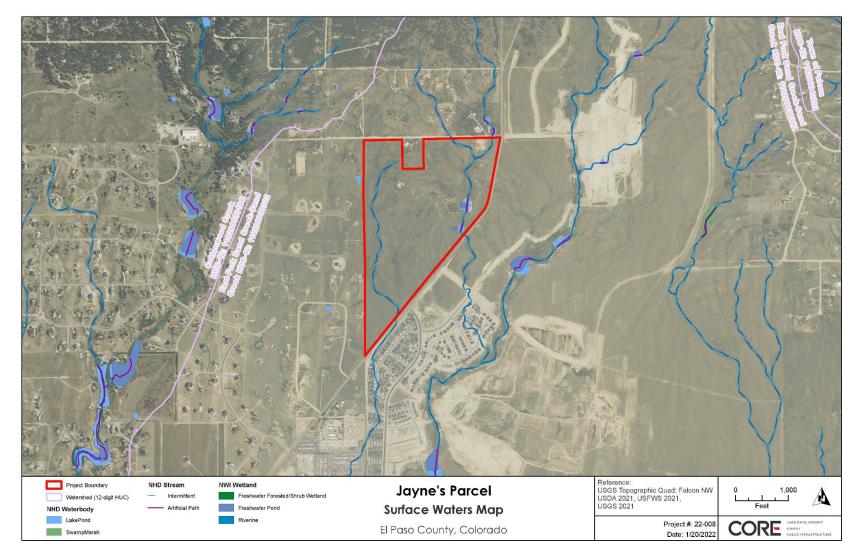


Figure 4.1 Surface Waters Map



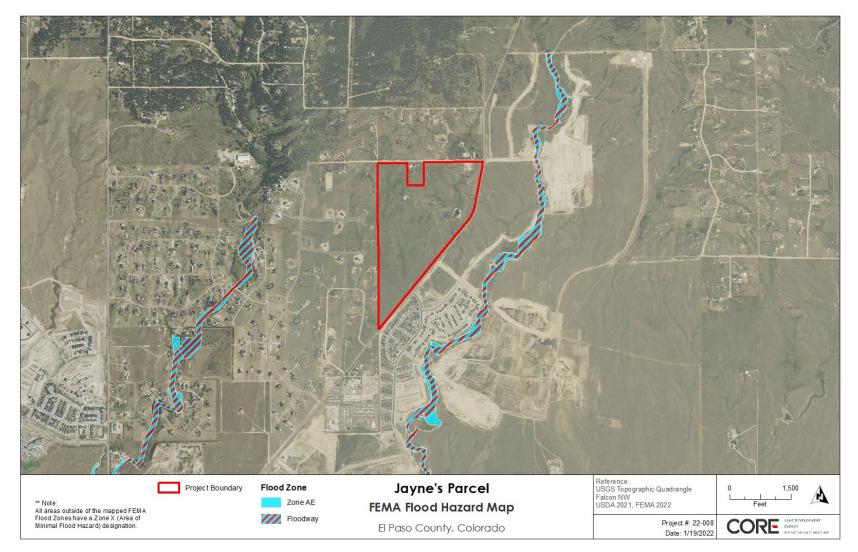


Figure 4.2 FEMA Flood Hazard Map



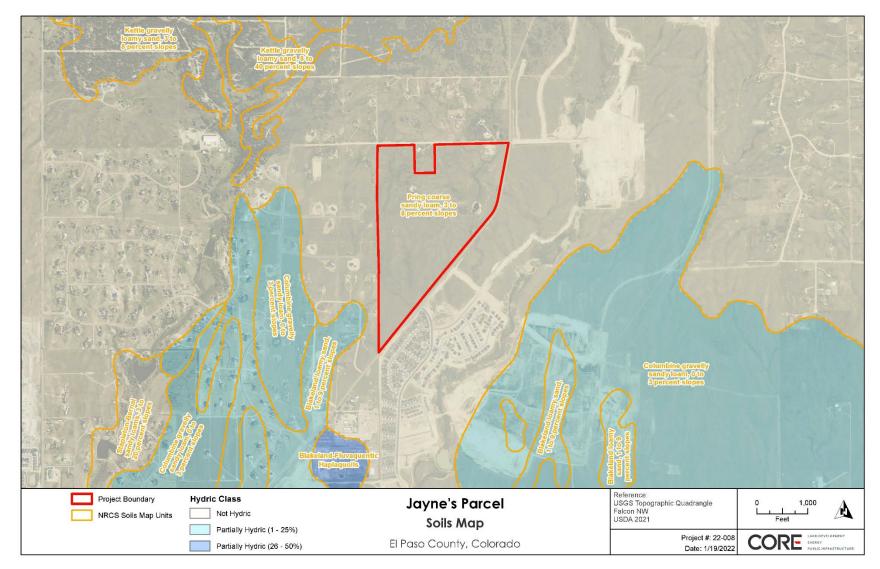


Figure 4.3 Soils Map



4.2 Field Survey

A wetland scientist conducted field surveys of the Study Area on February 1 and 9, 2022. It is generally desirable to conduct delineations during the growing season, as winter conditions can make field work challenging and reduce the accuracy of mapping. Vegetation was remnant from 2021 and may not be fully representative of the species that may be present in both wetlands and uplands. In addition, one of the dominant wetland species identified, Arctic rush (*Juncus arcticus*), may regularly occur in areas that do not meet soil hydric soil criteria. Soils were frozen in some locations, and as a result, limited soil excavation and confirmation of wetland/non-wetland soil types could occur. In addition, up to 10% of upland inclusions (with what appeared to be predominantly upland vegetation) may be mapped within wetland areas. As a result, we recommend that an additional field visit occur during the growing season to confirm that mapped wetland areas meet the three wetland criteria. The information provided in this report is our professional opinion based on field conditions at the time of the field visit.

Thirty-eight palustrine emergent (PEM) wetland pockets and one pond were delineated within the Study Area. The PEM wetland pockets totaled 9.48 acres (Figure 4.4). As shown on Figure 4.4, most of the PEM wetland pockets occurred where streams were mapped on the USGS topographic map. A human made dam was observed just south of WT-A39 in the eastern portion of the Study Area. Behind this dam (to the north), a former pond filled with wetland vegetation was observed (WT-A39). A pond with an OHWM was also observed within WT-A39. Down gradient (south) of the dam, wetlands were not observed until wetland WT-A-33. A portion of WT-A-33 appears to be a former pond that is vegetated primarily with cattails (*Typha* sp.). Additional wetland pockets occurred in depressions throughout the Study Area where groundwater may be seeping out of side slopes. Data for upland and wetland sample plots collected throughout the Study Area are included in Appendix A.

Where possible to observe, the hydric soil indicator within the PEM wetlands was Redox Dark Surface. As mentioned above, additional soil pits will need to be excavated during the growing season to confirm that hydric soils are present throughout the currently mapped wetlands. The primary wetland hydrology indicator, Oxidized Rhizospheres on Living Roots, was present in the wetland sample plots that met the Redox Dark Surface hydric soil indicator. Secondary wetland hydrology indicators, including Geomorphic Position and the FAC-Neutral Test, were also observed in the mapped wetlands. Dominant plant species within wetland sample plots included Arctic rush (Juncus arcticus) and cattails (Typha sp.). Hydrophytic vegetation indicators included the Rapid Test for Hydrophytic Vegetation, Dominance Test is >50%, and Prevalence Index is \leq 3.0.

Uplands around the delineated wetlands and pond lacked requisite indicators of wetland hydrology, hydric soil, and hydrophytic vegetation. The upland plant community was diverse; some of the species observed included blue grama (Bouteloua gracilis), diffuse knapweed (Centaurea diffusa), little bluestem (Schizachyrium scoparium), prairie dropseed (Sporobolus heterolepis), fringed sage (Artemisia frigida), western wheatgrass (Pascopyrum smithii), and wormwood/sagebrush (Artemisia sp.). A list of the plant species observed in the Study Area is provided in Table 4.1.

TABLE 4.1 PLANT SPECIES OBSERVED IN THE STUDY AREA

SCIENTIFIC NAME	COMMON NAME	WETLAND INDICATOR STATUS
	aminoids/rushes/sedges	
Agrostis cf. gigantea	Redtop bent	FAC
Andropogon gerardii	Big bluestem	FACU
Aristida purpurea	Purple three-awn	UPL
Bouteloua gracilis	Blue grama	UPL
Bromus inermis	Smooth brome	UPL
Bromus tectorum ¹	Cheatgrass	UPL
Carex sp.	Sedge	Various
Dactylis glomerata	Orchard grass	FACU
Eleocharis sp.	Spikerush	FACW or OBL
Elymus canadensis	Canada wildrye	FAC
Elymus elymoides	Squirreltail	FACU
Elymus trachycaulus	Slender wheatgrass	FAC
Eragrostis sp.	Lovegrass	Various
Festuca sp.	Fescue	Various
Hordeum jubatum	Foxtail barley	FAC
Juncus arcticus	Arctic rush	FACW
Juncus dudleyi	Path rush	FAC
Koeleria macrantha	Junegrass	UPL
Muhlenbergia montana	Mountain muhly	UPL
Pascopyrum smithii	Western wheatgrass	FACU
Poa pratensis	Kentucky bluegrass	FAC
Schizachyrium scoparium	Little bluestem	FACU
Schoenoplectus tabernaemontani	Softstem bulrush	OBL
Setaria sp.	Foxtail	Various
Sporobolus cryptandrus	Sand dropseed	FACU
Sporobolus heterolepis	Prairie dropseed	FACU
	FORBS/VINES/CACTI	-
Achillea millefolium	Common yarrow	FACU
Alisma sp.	Water-plantain	OBL
Alyssum cf. desertorum	Desert madwort	UPL
Antennaria sp.	Pussytoes	Variable
Artemisia ludoviciana	Louisiana sagewort	FACU
Artemisia sp.	Wormwood	Variable
Asclepias speciosa	Showy milkweed	FAC
Bassia scoparia	Kochia	FAC
Carduus nutans ¹	Musk thistle	UPL
Centaurea diffusa ¹	Diffuse knapweed	UPL

SCIENTIFIC NAME	COMMON NAME	WETLAND INDICATOR STATUS
Cirsium arvense ¹	Canada thistle	FAC
Cirsium sp.	Thistle	Variable
Conyza canadensis	Horseweed	UPL
Descurainia sophia	Flixweed	UPL
Epilobium cf. ciliatum	American willow-herb	FACW
Eriogonum sp.	Buckwheat	Variable
Geum macrophyllum	Large-leaved avens	FAC
Geranium sp.	Geranium	FAC or FACU
Helianthus sp.	Sunflower	Variable
Heterotheca villosa	Hairy false goldenaster	UPL
Lactuca serriola	Prickly lettuce	FACU
Mentha arvensis	Wild mint	FACW
Oenothera sp.	Evening primrose	Variable
Opuntia cf. polyacantha	Plains pricklypear	UPL
Penstemon sp.	Beardtongue	FAC, FACU, UPL
Plantago lanceolata	Narrowleaf plantain	FACU
Plantago patagonica	Woolly plantain	UPL
Potentilla sp.	Cinquefoil	Variable
Rumex crispus	Curly dock	FAC
Salsola tragus	Russian thistle	FACU
Sisymbrium altissimum	Tall tumblemustard	FACU
Solidago cf. canadensis	Canada goldenrod	FACU
Solidago cf. rigida var. humilis	Stiff goldenrod	FACU
Solidago sp.	Goldenrod	FACW, FAC, FACU
Symphyotrichum cf. falcatum	White prairie aster	FACU
Tragopogon dubius	Western salsify	UPL
Typha sp.	Cattails	OBL
Verbascum thapsus ¹	Common mullein	FACU
Yucca glauca	Soapweed yucca	UPL
	SUB-SHRUBS/SHRUBS/TREES	
Artemisia frigida	Fringed sage	UPL
Cercocarpus montanus	Mountain mahogany	UPL
Juniperus sp.	Juniper	UPL
Pinus ponderosa	Ponderosa pine	FACU
Populus deltoides	Plains cottonwood	FAC
Rosa sp.	Rose	FAC, FACU, UPL
Salix exigua	Coyote willow	FACW
Symphoricarpos sp.	Snowberry	FAC, FACU, UPL

¹Colorado-listed Noxious Weed (Colorado Department of Agriculture 2022).

CORE

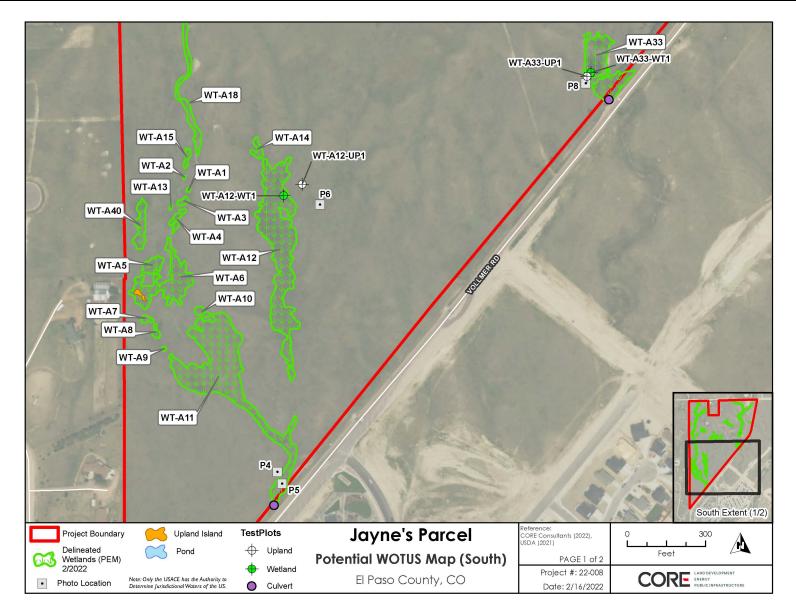


Figure 4.4 Potential WOTUS Location Map (South)

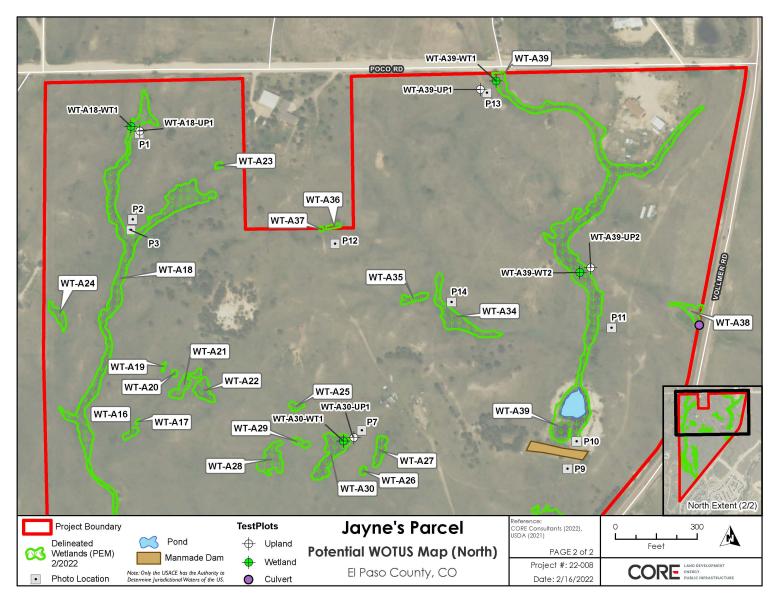


Figure 4.4 Potential WOTUS Location Map (North)



5 CONCLUSIONS

CORE delineated the boundary of 38 PEM wetlands and one pond within the Study Area. The 141acre Study Area contains a total of 9.48 acres of wetland area.

Impacts to WOTUS should be avoided to the extent practicable. If WOTUS impacts are minimal, it is likely that the project could be permitted for temporary and permanent impacts incurred as a result of construction activities under a USACE Nationwide Permit. Mitigation may be required for losses of greater than 0.1 acre of wetlands. Should impacts to WOTUS exceed the thresholds for the appropriate NWP, the project would be permitted under an Individual Permit (IP). If NWP impact limits are exceeded, IPs require a 30-day public notice period, alternatives evaluation, and a separate 401 Water Quality Certification from the CDPHE.

The results and conclusions of the delineation are limited to the Study Area. If additional area will be disturbed as part of construction, additional analysis and delineation may be required.



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APPENDIX A

Wetland Determination Data Forms

Project/Site: Jayne's Parcel	City/County: El Paso		Sampling Da	_{ite:} 2/1/22
Applicant/Owner:				int: <u>WT-A12-UP</u> 1
Investigator(s): S. Clark	Section, Township, Range:	S28 and 33, T12S	, R65W	
Landform (hillslope, terrace, etc.): terrace	_ Local relief (concave, conv			Slope (%): 0
Subregion (LRR): E	°58'35.40"N Lo	_{ng:} - 104°40'18.06"	W [Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slopes	_	NWI classific	ation: None	
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes X No	(If no, explain in R	emarks.)	
Are Vegetation, Soil, or Hydrology significantly	/ disturbed? Are "Norr	mal Circumstances" p	resent? Yes	_x No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If neede	d, explain any answei	rs in Remarks	.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland?	Yes	No <u>×</u>
Remarks:					

VEGETATION – Use scientific names of plants.

NA	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: NA)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				
				Total Number of Dominant Species Across All Strata: 2 (B)
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
NA		= Total Co	over	That Are OBL, FACW, or FAC: 0 (A/B)
Sapling/Shrub Stratum (Plot size: NA)				Prevalence Index worksheet:
1				
2				Total % Cover of: Multiply by:
3				OBL species $\frac{0}{2}$ x 1 = $\frac{0}{2}$
				FACW species $\frac{0}{x 2} = \frac{0}{x}$
4				FAC species $0 x 3 = 0$
5				FACU species 30 x 4 = 120
5 '		= Total Co	ver	$\frac{1100 \text{ species}}{50} \times 5 = 250$
Herb Stratum (Plot size: 5')				
_{1.} Artemisia ludoviciana	10		FACU	Column Totals: 80 (A) 370 (B)
2. Schizachyrium scoparium	20	x	UPL	Prevalence Index = $B/A = 4.63$
3. Bouteloua gracilis	20	x	UPL	Hydrophytic Vegetation Indicators:
4. Aristida purpurea	10		UPL	1 - Rapid Test for Hydrophytic Vegetation
5 Sporobolus heterolepis	10		FACU	2 - Dominance Test is >50%
6 Symphyotrichum cf. falcatum	10		FACU	
				3 - Prevalence Index is $\leq 3.0^1$
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation ¹ (Explain)
11				¹ Indicators of hydric soil and wetland hydrology must
	60			be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA		= Total Co	ver	
1				Hydrophytic
2				Vegetation Present? Yes No _X
10		= Total Co	ver	
% Bare Ground in Herb Stratum 40				
Remarks:				

Depth			h needed to docu						,	
	Matrix	0/		ox Feature:	<u>S</u>	12	T = - 4		Da	<i>(</i> 2)
(inches) Color 0-3 10YF	r (moist) 2 2/1	<u> </u>	Color (moist)	%	Type ¹	_Loc ²	Texture Sandy loc		Remark	5
	1 2/1						Sandy loa	m		
		· ·								
		· ·								
<u> </u>								2	D 1.1.1	
¹ Type: C=Concentrat Hydric Soil Indicator						ed Sand Gr			_=Pore Lining oblematic Hy	
•	s. (Applica				eu.)				-	une sons .
Histosol (A1)	A ()	•	Sandy Redox	. ,				2 cm Muck (A	(10) Aterial (TF2)	
Histic Epipedon (Black Histic (A3)	AZ)		Stripped Matrix Loamy Mucky						Dark Surface	
Hydrogen Sulfide	$(\Delta 4)$	•	Loamy Gleyed	•	<i>,</i>			-	n in Remarks	
Depleted Below D	()	e (A11)	Depleted Matr))
Thick Dark Surfac			Redox Dark S	. ,			³ Indi	cators of hyd	rophytic vege	tation and
Sandy Mucky Mir			Depleted Dark	()	7)			-	ogy must be	
Sandy Gleyed Ma			Redox Depres						ed or problem	
Restrictive Layer (if	present):									
_{Type:} <u>Frozen</u>										
Depth (inches): 7							Hvdric	Soil Present	? Yes	NoX
-			int communit	y and la	andsca	ape pos	sition.			
IYDROLOGY				y and la	andsca	ape pos	sition.			
IYDROLOGY Wetland Hydrology I	Indicators:				andsca	ape pos		econdary Indi	cators (2 or n	nore required)
IYDROLOGY Wetland Hydrology I	Indicators:		; check all that app	ly)						
YDROLOGY Wetland Hydrology I Primary Indicators (mi Surface Water (A	Indicators: inimum of o 1)		; check all that app Water-Sta	ly) ained Leave	es (B9) (e			_ Water-Stai	ned Leaves (<u>nore required)</u> B9) (MLRA 1, 2,
YDROLOGY Wetland Hydrology I Primary Indicators (mi Surface Water (A High Water Table	Indicators: inimum of o 1)		; check all that app Water-Sta	l <u>y)</u> ained Leav	es (B9) (e			Water-Stai 4A, and	ned Leaves (1 4B)	B9) (MLRA 1, 2 ,
Wetland Hydrology I Primary Indicators (minimary Indicators (minimary Indicators (minimary Indicators) Surface Water (A High Water Table Saturation (A3)	Indicators: inimum of o 1) (A2)		<u>; check all that app</u> Water-Sta MLRA Salt Crus	l <u>y)</u> ained Leav 1, 2, 4A, a t (B11)	es (B9) (e and 4B)		<u>S</u>	_ Water-Stai 4A, and _ Drainage F	ned Leaves (1 4B) Patterns (B10)	B9) (MLRA 1, 2 ,
YDROLOGY Wetland Hydrology I Primary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1)	Indicators: inimum of o 1) e (A2)		<u>; check all that app</u> Water-Sta MLRA Salt Crus Aquatic In	l <u>y)</u> ained Leave 1, 2, 4A, a t (B11) ivertebrate	es (B9) (e and 4B) s (B13)		<u>S</u>	Water-Stai 4A, and Drainage F Dry-Seaso	ned Leaves (1 4B) Patterns (B10) n Water Table	B9) (MLRA 1, 2,) e (C2)
WDROLOGY Wetland Hydrology I Primary Indicators (minimary	Indicators: inimum of o .1) e (A2)) ts (B2)		<u>; check all that app</u> Water-Sta Salt Crus Aquatic Iu Hydroger	ily) ained Leave 1, 2, 4A, a t (B11) nvertebrate n Sulfide Oo	es (B9) (e and 4B) s (B13) dor (C1)	xcept	<u>S</u>	Water-Stai 4A, and Drainage F Dry-Seaso Saturation	ned Leaves (1 4B) Patterns (B10) n Water Table Visible on Ae	B9) (MLRA 1, 2,) e (C2) :rial Imagery (C9
IYDROLOGY Wetland Hydrology I Primary Indicators (miner) Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Depositi Drift Deposits (B3)	Indicators: inimum of o .1) e (A2)) ts (B2) 3)		<u>; check all that app</u> Water-Sta Salt Crus Aquatic In Hydroger Oxidized	ly) ained Leave 1, 2, 4A, a t (B11) nvertebrate a Sulfide Oo Rhizosphe	es (B9) (e ind 4B) s (B13) dor (C1) res along	•xcept	<u>S</u> 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph	ned Leaves (i 4B) Patterns (B10) n Water Table Visible on Ae ic Position (D	B9) (MLRA 1, 2,) e (C2) :rial Imagery (C9
IYDROLOGY Wetland Hydrology I Primary Indicators (miner) Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus	Indicators: inimum of o .1) (A2) (A2) ts (B2) 3) st (B4)		<u>; check all that app</u> Water-St Salt Crus Salt Crus Aquatic II Hydroger Oxidized Presence	ly) ained Leave 1, 2, 4A, a t (B11) avertebrate a Sulfide Oo Rhizosphe o f Reduce	es (B9) (e ind 4B) s (B13) dor (C1) res along ed Iron (C4	xcept Living Roc	<u>S</u> 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad	ned Leaves (1 4B) Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3)	B9) (MLRA 1, 2,) e (C2) :rial Imagery (C9
IYDROLOGY Wetland Hydrology I Primary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5	Indicators: inimum of o .1) (A2) (A2) ts (B2) (B2) (B4) (B4) (5)		<u>: check all that app</u> Water-Sta Salt Crus Aquatic In Aquatic In Hydroger Oxidized Presence Recent Ir	ly) ained Leavo 1, 2, 4A, a t (B11) nvertebrate a Sulfide Oo Rhizosphe o f Reduce on Reduction	es (B9) (e and 4B) s (B13) dor (C1) res along ad Iron (C4 on in Tille	Except	<u>S</u> 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr	ned Leaves (4 4B) Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5)	B9) (MLRA 1, 2,) e (C2) rial Imagery (C9 2)
IYDROLOGY Wetland Hydrology I Primary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus	Indicators: inimum of o .1) e (A2)) ts (B2) 3) et (B4) ;) cks (B6)	ne required	<u>; check all that app</u> Water-Sta Salt Crus Aquatic lu Aquatic lu Hydroger Oxidized Recent lr Stunted co	ly) ained Leave 1, 2, 4A, a t (B11) avertebrate a Sulfide Oo Rhizosphe o f Reduce	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D	Except	<u>S</u> 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An	ned Leaves (1 4B) Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3)	B9) (MLRA 1, 2,) e (C2) vrial Imagery (C9 2)) (LRR A)
IYDROLOGY Wetland Hydrology I Primary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crac	Indicators: inimum of o 1) 2 (A2) 1 15 (B2) 3) 15 (B4) 3) 16 (B4) 3) 17 (B4) 3) 18 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 3) 3) 4) 4) 4) 4) 4) 4) 4) 4) 4) 4	ne required	; check all that app Water-Sta MLRA Salt Crus Aquatic lu Hydroger Oxidized Presence Recent lr Stunted co Other (E)	ained Leave ained Leave t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D	Except	<u>S</u> 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An	ned Leaves (1 4B) Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6	B9) (MLRA 1, 2,) e (C2) vrial Imagery (C9 2)) (LRR A)
IYDROLOGY Wetland Hydrology I Primary Indicators (miner) Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Depositi Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crac Inundation Visible Sparsely Vegetat	Indicators: inimum of o 1) 2 (A2) 1 15 (B2) 3) 15 (B4) 3) 16 (B4) 3) 17 (B4) 3) 18 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 20 (B4) 3) 3) 3) 4) 4) 4) 4) 4) 4) 4) 4) 4) 4	ne required	; check all that app Water-Sta MLRA Salt Crus Aquatic lu Hydroger Oxidized Presence Recent lr Stunted co Other (E)	ained Leave ained Leave t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D	Except	<u>S</u> 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An	ned Leaves (1 4B) Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6	B9) (MLRA 1, 2,) e (C2) vrial Imagery (C9 2)) (LRR A)
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IYDROLOGY Wetland Hydrology I Primary Indicators (mi Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crac Inundation Visible Sparsely Vegetate Field Observations: Surface Water Present Water Table Present?	Indicators: inimum of o 1) (A2) (A2) (B2) (B4)	ne required	; check all that app Water-Sta MLRA Salt Crus Aquatic In Hydroger Oxidized Presence Recent In Stunted co 38) No Depth (in No Depth (in	ained Leave ained Leave t (B11) nvertebrate of Reluce on Reduction r Stressed con Reduction r Stressed r Stressed	es (B9) (e ind 4B) s (B13) dor (C1) res along id Iron (C4 on in Tille Plants (D marks)	Living Roo 4) d Soils (C6 1) (LRR A	<u>S</u> 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An Frost-Heav	ned Leaves (J 4B) Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6 ve Hummocks	B9) (MLRA 1, 2,) e (C2) rial Imagery (C9 2)) (LRR A) s (D7)
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HYDROLOGY Wetland Hydrology I Primary Indicators (mi	Indicators: inimum of o 1) (A2) (A2) (B2) (B4) (B4) (B4) (B4) (B4) (B4) (B4) (B4) (Concave	ne required magery (B7 e Surface (E es N es N	<u>: check all that app</u> Water-Sta MLRA Salt Crus Aquatic In Hydroger Oxidized Presence Recent Ir Stunted co) Other (Example 88) No _ x Depth (in No _ x Depth (in	ly) ained Leavo a 1, 2, 4A, a t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed splain in Re aches): nches):	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks)	Living Roc 4) d Soils (Ce 1) (LRR A	<u>S</u> 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An Frost-Heav	ned Leaves (J 4B) Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6 ve Hummocks	B9) (MLRA 1, 2,) e (C2) rial Imagery (C9 2)) (LRR A) 5 (D7)
HYDROLOGY Wetland Hydrology I Primary Indicators (miner) Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crus Iron Deposits (B5) Surface Soil Crace Inundation Visible Sparsely Vegetate Field Observations: Surface Water Present Water Table Present?	Indicators: inimum of o 1) (A2) (A2) (B2) (B4) (B4) (B4) (B4) (B4) (B4) (B4) (B4) (Concave	ne required magery (B7 e Surface (E es N es N	<u>: check all that app</u> Water-Sta MLRA Salt Crus Aquatic In Hydroger Oxidized Presence Recent Ir Stunted co) Other (Example 88) No _ x Depth (in No _ x Depth (in	ly) ained Leavo a 1, 2, 4A, a t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed splain in Re aches): nches):	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks)	Living Roc 4) d Soils (Ce 1) (LRR A	<u>S</u> 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An Frost-Heav	ned Leaves (J 4B) Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6 ve Hummocks	B9) (MLRA 1, 2,) e (C2) rial Imagery (C9 2)) (LRR A) s (D7)
Primary Indicators (mi 	Indicators: inimum of o 1) (A2) (A2) (B2) (B4) (B4) (B4) (B4) (B4) (B4) (B4) (B4) (Concave	ne required magery (B7 e Surface (E es N es N	<u>: check all that app</u> Water-Sta MLRA Salt Crus Aquatic In Aquatic In Oxidized Presence Recent In Stunted co) Other (Example 88) No _ x Depth (in No _ x Depth (in	ly) ained Leavo a 1, 2, 4A, a t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed splain in Re aches): nches):	es (B9) (e and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks)	Living Roc 4) d Soils (Ce 1) (LRR A	<u>S</u> 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An Frost-Heav	ned Leaves (J 4B) Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6 ve Hummocks	B9) (MLRA 1, 2,) e (C2) rial Imagery (C9 2)) (LRR A) s (D7)
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Project/Site: Jayne's Parcel	City/County: El Pa	aso	Sampling Date: 2/1/22
Applicant/Owner:		State: CO	Sampling Point: WT-A12-WT1
Investigator(s): S. Clark	Section, Township	o, Range: <u>S28</u> and 33, T125	, R65W
Landform (hillslope, terrace, etc.): swale			Slope (%): 0
Subregion (LRR): E	_{.at:} 38°58'35.67"N	Long: - 104°40'17.43	W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slope	es	NWI classifie	cation: R4SBC
Are climatic / hydrologic conditions on the site typical for this tin	ne of year? Yes X	No (If no, explain in F	emarks.)
Are Vegetation, Soil, or Hydrology sign	ficantly disturbed?	Are "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology natu	rally problematic?	(If needed, explain any answe	rs in Remarks.)
CUMMARY OF FINDINGS Attack site man ak	owing compling noi	nt locational transacto	important factures ato

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland?	Yes X	No
Remarks:				

VEGETATION – Use scientific names of plants.

NIA	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: NA)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				
				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				Percent of Dominant Species
NIA		= Total Co	over	That Are OBL, FACW, or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size: NA)				Prevalence Index worksheet:
1				
2				Total % Cover of: Multiply by:
				OBL species $\frac{10}{10}$ x 1 = $\frac{10}{10}$
3				FACW species $\frac{82}{x 2} = \frac{164}{x}$
4				FAC species $\frac{15}{x 3} = \frac{45}{x 3}$
5				FACU species 9 $x 4 = 36$
		= Total Co	over	
Herb Stratum (Plot size: 5')		-		UPL species x 5 =
_{1.} Epilobium cf. ciliatum	2		FAC₩	Column Totals: <u>116</u> (A) <u>255</u> (B)
2. Juncus arcticus	80	x	FACW	Prevalence Index = $B/A = 2.20$
3. Cirsium arvense	15		FAC	Hydrophytic Vegetation Indicators:
4 Lactuca serriola	2		FACU	<u>×</u> 1 - Rapid Test for Hydrophytic Vegetation
5. Typha sp.	10		OBL	× 2 - Dominance Test is >50%
6. Achillea millefolium	2		FACU	
7 Pascopyrum smithii	5		FACU	$\underline{\mathbf{x}}$ 3 - Prevalence Index is $\leq 3.0^1$
				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8				5 - Wetland Non-Vascular Plants ¹
9				
10				Problematic Hydrophytic Vegetation ¹ (Explain)
11				¹ Indicators of hydric soil and wetland hydrology must
	116	= Total Co	ver	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA)				
1				Hydrophytic
				Vegetation
2				Present? Yes X No
% Bare Ground in Herb Stratum ⁰		= Total Co	ver	
Remarks:				

Sampling Point: WT-A12-WT1

Depth	Matrix	0/	Color /m	Redox	0/		Loc ²	Tauto	-	Domos	ko
<u>inches)</u> 0-2	Color (moist) 10YR 2/1	<u>%</u> 100	Color (m	OIST)	%	Type ¹	Loc	Texture	<u> </u>	Remar	KS
J-Z								Sandy loa	<u>m</u>		
	ncentration, D=Dep						d Sand G			PL=Pore Linin	
ydric Soil li	ndicators: (Applic	able to all	LRRs, unle	ss other	wise note	ed.)		Indi	cators for l	Problematic H	ydric Soils ³ :
Histosol ((A1)		Sandy	Redox (S	5)				2 cm Muck	(A10)	
Histic Ep	ipedon (A2)		Strippe	d Matrix ((S6)				Red Parent	t Material (TF2)
Black His	stic (A3)		Loamy	Mucky M	lineral (F	1) (except	MLRA 1)		Very Shallo	ow Dark Surfac	e (TF12)
_ Hydroger	n Sulfide (A4)		Loamy	Gleyed N	/latrix (F2	2)			Other (Exp	lain in Remarks	6)
_ Depleted	Below Dark Surface	æ (A11)	Deplete	ed Matrix	(F3)						
	rk Surface (A12)		x Redox	Dark Sur	face (F6)					ydrophytic vege	
_ Sandy M	ucky Mineral (S1)			ed Dark S		7)		W	etland hyd	rology must be	present,
	leyed Matrix (S4)		Redox	Depressi	ons (F8)			u	nless distu	rbed or problen	natic.
	ayer (if present):										
Type: Fro:	zen										
Depth (inc	hes): 2							Hvdric	Soil Prese	nt? Yes <u>X</u>	No
emarks:	nay be simila	ır to DP	-1 and m	neet th	ie F6 ł	nydric s	soil ind	icator.			
emarks: nis soil r	nay be simila	ır to DP	-1 and m	neet th	ie F6 ł	nydric s	soil ind	icator.			
emarks: his soil r DROLO	nay be simila		-1 and m	neet th	ie F6 ł	nydric s	soil ind	icator.			
emarks: nis soil r 'DROLO(letland Hyd	nay be simila GY					nydric s	soil ind		econdary Ir	ndicators (2 or 1	nore required)
emarks: nis soil r DROLO(letland Hyd imary Indica	nay be simila GY Irology Indicators: ators (minimum of c		d; check all t	hat apply)						
emarks: nis soil r /DROLO(/etland Hyd rimary Indic: Surface \	nay be simila GY Irology Indicators: ators (minimum of c Water (A1)		d; check all t	hat apply ater-Stair) ned Leave	es (B9) (e			_ Water-S	tained Leaves	
emarks: DROLOG etland Hyd imary Indica _ Surface N _ High Wat	The similar The second state of the second st		d; check all t W	<u>hat apply</u> ater-Stair MLRA 1) ned Leave	es (B9) (e			_ Water-S ⁻ 4 A , a	tained Leaves I nd 4B)	(B9) (MLRA 1, 2
emarks: DROLOG etland Hyd <u>imary Indica</u> Surface N <u>High Wat</u> Saturatio	The second state of the se		<u>d; check all t</u> W Sa	<u>hat apply</u> ater-Stair MLRA 1 alt Crust (.) ned Leavi I, 2, 4A, a B11)	es (B9) (e: and 4B)		<u>S</u>	_ Water-S 4A, a _ Drainage	tained Leaves I nd 4B) e Patterns (B10	(B9) (MLRA 1, 2)
emarks: DROLOO TOROLOO Tetland Hyd Timary Indic: Surface N High Wat Saturatio Water Ma	The second secon		<u>d; check all t</u> W Sa Ao	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv) ned Leave I, 2, 4A, a B11) ertebrate	es (B9) (e: and 4B) s (B13)		<u>S</u>	_ Water-S 4A, a _ Drainage _ Dry-Sea	tained Leaves I nd 4B) e Patterns (B10 son Water Tab	(B9) (MLRA 1, 2) e (C2)
emarks: is soil r 'DROLOO /etland Hyd <u>rimary Indica</u> _ Surface N _ High Wat _ Saturatio _ Water Ma _ Sedimen	GY Irology Indicators: <u>ators (minimum of c</u> <i>N</i> ater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)		<u>d; check all t</u> W Sa Ac Hy	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S) ned Leave , 2, 4A, a B11) ertebrate Sulfide Oo	es (B9) (e: and 4B) s (B13) dor (C1)	xcept	<u>s</u> 	Water-S 4A, a Drainage Dry-Sea Saturatio	tained Leaves I nd 4B) e Patterns (B10 son Water Tab on Visible on Ad	(B9) (MLRA 1, 2)) e (C2) erial Imagery (CS
emarks: DROLOC 'DROLOC 'etland Hyd <u>'imary Indica</u> Surface N High Wat Saturatio Water Ma Sedimen Drift Dep	GY Irology Indicators: <u>ators (minimum of c</u> Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3)		<u>d; check all t</u> W Sa Ac Hy O:	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R) ned Leave , 2, 4A, a (B11) ertebrate Sulfide Oo hizosphe	es (B9) (e: and 4B) s (B13) dor (C1) res along	xcept	<u>S</u> 	Water-S 4A, a Drainage Dry-Sea Saturatio	tained Leaves nd 4B) e Patterns (B10 son Water Tab on Visible on Ac phic Position (I	(B9) (MLRA 1, 2)) e (C2) erial Imagery (CS
emarks: DROLOO etland Hyd imary Indica Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat	The second state of the se		d; check all t W Sa Ao Hy O: Pr	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R esence o) ned Leave , 2, 4A, a B11) ertebrate Sulfide Oo hizosphe of Reduce	es (B9) (e: and 4B) s (B13) dor (C1) res along ed Iron (C4	xcept Living Roc	<u>S</u> 	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow	tained Leaves nd 4B) e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3)	(B9) (MLRA 1, 2)) e (C2) erial Imagery (CS
emarks: DROLOO TOROLOO Tetland Hyd imary Indica Surface Na High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo	GY Fology Indicators: ators (minimum of of <i>Nater</i> (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)		<u>d; check all t</u> W Sa Ac Ac O; Pr Re	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R resence o ecent Iror	ned Leave J, 2, 4A, a B11) ertebrate Sulfide Oc hizosphe of Reduce n Reductio	es (B9) (e: and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tilleo	xcept Living Roo	<u>S</u> 	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Net	tained Leaves nd 4B) e Patterns (B10 son Water Tab on Visible on Ar phic Position (E Aquitard (D3) utral Test (D5)	(B9) (MLRA 1, 2)) le (C2) erial Imagery (C9)2)
emarks: is soil r 'DROLOO 'etland Hyd 'mary Indica _ Surface V _ High Wat _ Saturatio _ Water Ma _ Sedimen _ Drift Dep _ Algal Mat _ Iron Depo _ Surface S	The second state of the se	: one require	d; check all t W Sa Ac Ac N Pr Re St	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R esence o ecent Iror unted or) ned Leave B11) ertebrate Sulfide Oo hizosphe of Reduce n Reduction Stressed	es (B9) (e: and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tilleo Plants (D	xcept Living Roo	<u>S</u> ots (C3) <u></u> ô) <u></u>	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A	tained Leaves nd 4B) P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) (MLRA 1, 2)) e (C2) erial Imagery (C9)2) 6) (LRR A)
emarks: is soil r DROLOO Vetland Hyd imary Indic: Surface V High Wat Saturatio Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio	The second state of the se	one require	d; check all t W Sa Ac Ac St St O	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R resence o ecent Iror) ned Leave B11) ertebrate Sulfide Oo hizosphe of Reduce n Reduction Stressed	es (B9) (e: and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tilleo Plants (D	xcept Living Roo	<u>S</u> ots (C3) <u></u> ô) <u></u>	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A	tained Leaves nd 4B) e Patterns (B10 son Water Tab on Visible on Ar phic Position (E Aquitard (D3) utral Test (D5)	(B9) (MLRA 1, 2)) e (C2) erial Imagery (C9)2) 6) (LRR A)
The second	nay be simila GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Vegetated Concav	one require	d; check all t W Sa Ac Ac St St O	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R esence o ecent Iror unted or) ned Leave B11) ertebrate Sulfide Oo hizosphe of Reduce n Reduction Stressed	es (B9) (e: and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tilleo Plants (D	xcept Living Roo	<u>S</u> ots (C3) <u></u> ô) <u></u>	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A	tained Leaves nd 4B) P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) (MLRA 1, 2)) e (C2) erial Imagery (C9)2) 6) (LRR A)
emarks: DROLOO etland Hyd imary Indica Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio Sparsely eld Observ	The second state of the se	one require Imagery (B e Surface (d; check all t W Sa Ad Hy O: Pr Ra St 7) Ot B8)	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R resence o ecent Iror unted or ther (Expl) ned Leave (, 2, 4A, a (B11) ertebrate Sulfide Oo hizosphe of Reduce n Reduction Stressed lain in Re	es (B9) (e: and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tilleo Plants (D emarks)	xcept	<u>S</u> ots (C3) <u></u> ô) <u></u>	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A	tained Leaves nd 4B) P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) (MLRA 1, 2)) e (C2) erial Imagery (C9)2) 6) (LRR A)
emarks: DROLOO TOROLOO Tetland Hyd imary Indica Surface V High Wate Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio Sparsely ield Observ	The second state of the se	ine require Imagery (B e Surface ('es	<u>d; check all t</u> W Sa Ac Hy O; Pr Ra St 7) Ot B8) NoX D	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R ydrogen S xidized R vesence o ecent Iror unted or ther (Expl	ned Leave (, 2, 4A, a (B11) ertebrate Sulfide Oc hizosphe of Reduce n Reduction Stressed lain in Re lain in Re	es (B9) (e: and 4B) s (B13) dor (C1) res along b d Iron (C4 on in Tilleo Plants (D emarks)	xcept	<u>S</u> ots (C3) <u></u> ô) <u></u>	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A	tained Leaves nd 4B) P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) (MLRA 1, 2)) e (C2) erial Imagery (C9)2) 6) (LRR A)
emarks: TS SOIL r PROLOC Petland Hyd rimary Indica Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depe Surface S Inundatio Sparsely ield Observ urface Wate	The second state of the se	ine require Imagery (B e Surface ('es	d; check all t W Sa Ad Hy O: Pr Ra St 7) Ot B8)	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R ydrogen S xidized R vesence o ecent Iror unted or ther (Expl	ned Leave (, 2, 4A, a (B11) ertebrate Sulfide Oc hizosphe of Reduce n Reduction Stressed lain in Re lain in Re	es (B9) (e: and 4B) s (B13) dor (C1) res along b d Iron (C4 on in Tilleo Plants (D emarks)	xcept	<u>S</u> ots (C3) <u></u> ô) <u></u>	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A	tained Leaves nd 4B) P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) (MLRA 1, 2)) e (C2) erial Imagery (C9)2) 6) (LRR A)
emarks: Dis Soil r (DROLOO) (etland Hyd (rimary Indic: Surface N High Wat Saturatio Saturatio Vater Ma Sedimen Drift Dep Algal Mal Iron Depa Surface S Inundatio Sparsely ield Observ urface Wate //ater Table F	The second state of the se	Imagery (B e Surface ('es	<u>d; check all t</u> W Sa Ac Hy O; Pr Ra St 7) Ot B8) NoX D	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R resence o ecent Iror unted or ther (Expl Depth (inc) ned Leave (a, 2, 4A, a (B11) ertebrate Sulfide Oo hizosphe of Reduction Stressed lain in Re lain in Re hes):	es (B9) (e: and 4B) s (B13) dor (C1) res along dor (C4) on in Tilleo Plants (D marks)	xcept	S 	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A Frost-He	tained Leaves nd 4B) P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) (MLRA 1, 2)) e (C2) erial Imagery (C9 02) 6) (LRR A) s (D7)
emarks: DIS SOII r (DROLOO) (Petland Hyd rimary Indic: Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Dept Surface S Inundatio Sparsely ield Observ urface Wate /ater Table F aturation Princludes cap	The second state of the se	Imagery (B e Surface ('es 'es	<u>d; check all t</u> W Sa Ac Ac O; Pr Re St 7) Of B8) No C No C	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R ydrogen S xidized R resence o ecent Iror unted or ther (Expl Depth (inc Depth (inc	ned Leave (, 2, 4A, a (B11) ertebrate Sulfide Oo hizosphe of Reduce of Reduce (Stressed lain in Re lain in Re hes): hes):	es (B9) (e: and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo Plants (D marks)	xcept	<u>S</u> ots (C3) <u>*</u> 	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A Frost-He	tained Leaves ind 4B) e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6 eave Hummock	(B9) (MLRA 1, 2)) e (C2) erial Imagery (C9 02) 6) (LRR A) s (D7)
emarks: DIS SOII r (DROLOO (etland Hyd rimary Indica Surface N Surface N Saturatio Vater Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio Sparsely ield Observ urface Wate /ater Table F aturation Pro- ncludes cap	The second state of the se	Imagery (B e Surface ('es 'es	<u>d; check all t</u> W Sa Ac Ac O; Pr Re St 7) Of B8) No C No C	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R ydrogen S xidized R resence o ecent Iror unted or ther (Expl Depth (inc Depth (inc	ned Leave (, 2, 4A, a (B11) ertebrate Sulfide Oo hizosphe of Reduce of Reduce (Stressed lain in Re lain in Re hes): hes):	es (B9) (e: and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo Plants (D marks)	xcept	<u>S</u> ots (C3) <u>*</u> 	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A Frost-He	tained Leaves ind 4B) e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6 eave Hummock	(B9) (MLRA 1, 2)) e (C2) erial Imagery (C9 02) 6) (LRR A) s (D7)
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Algal Mar Algal Mar Algal Mar Algal Mar Algal Mar Algal Mar Algal Mar Control Dep Algal Mar Control Dep Algal Mar Control Dep Algal Mar Control Dep Algal Mar Control Dep Control Dep C	The second state of the se	Imagery (B e Surface ('es 'es	<u>d; check all t</u> W Sa Ac Ac O; Pr Re St 7) Of B8) No C No C	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R ydrogen S xidized R resence o ecent Iror unted or ther (Expl Depth (inc Depth (inc	ned Leave (, 2, 4A, a (B11) ertebrate Sulfide Oo hizosphe of Reduce f Reduce (Stressed lain in Re lain in Re hes): hes):	es (B9) (e: and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo Plants (D marks)	xcept	<u>S</u> ots (C3) <u>*</u> 	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A Frost-He	tained Leaves ind 4B) e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6 eave Hummock	(B9) (MLRA 1, 2 ,)) e (C2) erial Imagery (C9)2) 6) (LRR A) s (D7)
emarks: DiS SOII r /DROLOO /etland Hyd rimary Indica Surface N High Water Saturatio Sedimen Drift Dep Algal Mate Surface S Iron Depo Surface S Inundatio Sparsely ield Observ urface Water /ater Table F aturation Pro- ncludes cap escribe Rec	The second state of the se	Imagery (B e Surface ('es 'es	<u>d; check all t</u> W Sa Ac Ac O; Pr Re St 7) Of B8) No C No C	hat apply ater-Stair MLRA 1 alt Crust (quatic Inv ydrogen S xidized R ydrogen S xidized R resence o ecent Iror unted or ther (Expl Depth (inc Depth (inc	ned Leave (, 2, 4A, a (B11) ertebrate Sulfide Oo hizosphe of Reduce f Reduce (Stressed lain in Re lain in Re hes): hes):	es (B9) (e: and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo Plants (D marks)	xcept	<u>S</u> ots (C3) <u>*</u> 	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nei Raised A Frost-He	tained Leaves ind 4B) e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6 eave Hummock	(B9) (MLRA 1, 2 ,)) e (C2) erial Imagery (C9)2) 6) (LRR A) s (D7)

Project/Site: Jayne's Parcel	City/County: El Paso		Sampling Date: 2/1/22
Applicant/Owner:		State: CO	Sampling Point: WT-A18-UP1
Investigator(s): S. Clark	Section, Township, Range	2 S28 and 33, T12S	, R65W
Landform (hillslope, terrace, etc.): hillslope	_ Local relief (concave, con		
Subregion (LRR): E	°58'34.00"N Lo	ong: <u>- 104°40'33.94</u> "	W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slopes		NWI classific	ation: None
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes X No	(If no, explain in R	emarks.)
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Nor	mal Circumstances" p	resent? Yes X No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If neede	ed, explain any answe	rs in Remarks.)
			• • • • • •

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No <u>X</u> No <u>X</u> No <u>X</u>	Is the Sampled Area within a Wetland?	Yes	No <u>×</u>
Remarks:					

VEGETATION – Use scientific names of plants.

NA	Absolute		Indicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size: <u>NA</u>) 1)	<u>% Cover</u>	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)	
2 3				Total Number of Dominant Species Across All Strata: (B)	
4(Plot size: NA		= Total Co		Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/E	3)
				Prevalence Index worksheet:	
1				Total % Cover of: Multiply by:	
2				OBL species 0 $x = 0$	
3				FACW species 0 x 2 = 0	
4				FAC species $0 \times 3 = 0$	
5				FACU species 27 $x = 108$	
<u>Herb Stratum</u> (Plot size: ^{5'})		= Total Co	over	UPL species 69 x 5 = 345	
1 Schizachyrium scoparium	20	х	UPL	Column Totals: <u>96</u> (A) <u>453</u> (B))
2. Bouteloua gracilis	40	x	UPL	Prevalence Index = $B/A = 4.72$	
3. Artemisia ludoviciana	2		FACU	Hydrophytic Vegetation Indicators:	
4. Sporobolus cf. heterolepis	20	x	FACU	1 - Rapid Test for Hydrophytic Vegetation	
5. Heterotheca villosa	2		UPL	2 - Dominance Test is >50%	
6. Pascopyrum smithii	2		FACU	$\frac{2}{3} - \text{Prevalence Index is } \le 3.0^{1}$	
7. Aristida purpurea	5		UPL	4 - Morphological Adaptations ¹ (Provide supportir	20
8. Sporobolus cryptandrus	5		FACU	data in Remarks or on a separate sheet)	iy
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11				¹ Indicators of hydric soil and wetland hydrology must	
	96	= Total Co	ver	be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size: NA)					
1				Hydrophytic	
2				Vegetation	
% Bare Ground in Herb Stratum _4		= Total Co	ver	Present? Yes <u>No X</u>	
Remarks:					
Nemana.					

Sampling Point: WT-A18-UP1

Profile Desc	cription: (Describe	to the dept	h needed to docun	nent the ir	dicator o	or confirm the	e absence of indicators.)
Depth	Matrix			x Features		. 2	
(inches) 0-4	Color (moist) 10YR 2/1	<u>%</u> 100	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
0-4	101R 2/1					Coar	se sandy Loam
·							
			Roduced Matrix CS	-Covered	or Coato		s. ² Location: PL=Pore Lining, M=Matrix.
	oncentration, D=Dep Indicators: (Applic					u Sanu Grains	Indicators for Problematic Hydric Soils ³ :
Histosol			Sandy Redox (S		u.)		2 cm Muck (A10)
	pipedon (A2)	-	Stripped Matrix	,			Red Parent Material (TF2)
	istic (A3)	-	Loamy Mucky M) (except	MLRA 1)	Very Shallow Dark Surface (TF12)
	en Sulfide (A4)	-	Loamy Gleyed I				Other (Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted Matrix				
Thick Da	ark Surface (A12)	-	Redox Dark Su	face (F6)			³ Indicators of hydrophytic vegetation and
	lucky Mineral (S1)	-	Depleted Dark S		7)		wetland hydrology must be present,
-	Bleyed Matrix (S4)	-	Redox Depress	ions (F8)		1	unless disturbed or problematic.
	Layer (if present):						
Type: Fro							v
Depth (in	ches): <u>4</u>					н	lydric Soil Present? Yes No X
HYDROLO							
-	drology Indicators:						
Primary India	cators (minimum of o	one required					Secondary Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Leave	s (B9) (e	ccept	Water-Stained Leaves (B9) (MLRA 1, 2,
	ater Table (A2)			1, 2, 4A, a	nd 4B)		4A, and 4B)
Saturatio	. ,		Salt Crust	. ,			Drainage Patterns (B10)
Water M			Aquatic Inv				Dry-Season Water Table (C2)
	nt Deposits (B2)		Hydrogen				Saturation Visible on Aerial Imagery (C9)
	posits (B3)				-	_iving Roots (· · · · · ·
-	at or Crust (B4)		Presence of				Shallow Aquitard (D3)
	posits (B5)					I Soils (C6)	FAC-Neutral Test (D5)
	Soil Cracks (B6)		Stunted or			1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
	on Visible on Aerial			nam in Rer	narks)		Frost-Heave Hummocks (D7)
Field Obser	y Vegetated Concav	e Suriace (B	0)				
		/oc •	lo X Donth (:	aboe):			
Surface Wat			lo <u>×</u> Depth (ind				
Water Table			lo <u>x</u> Depth (ind	,			
Saturation P (includes cap		esN	lo <u>x</u> Depth (ind	ches):		_ Wetland	Hydrology Present? Yes No X
	corded Data (stream	n gauge, moi	nitoring well, aerial p	hotos, pre	vious ins	pections), if av	/ailable:
Remarks:							
	o have wetlar	nd hydro	logy due to la	Indscar	be pos	ition.	
,		,			•		

Project/Site: Jayne's Parcel	City/County: El Pas	50	Sampling Date: 2/1/22
Applicant/Owner:		State: CO	Sampling Point: WT-A18-WT1
Investigator(s): S. Clark	Section, Township,	Range: S28 and 33, T128	S, R65W
Landform (hillslope, terrace, etc.): swale		ve, convex, none): <u>concave</u>	_
Subregion (LRR): E	Lat: <u>38°58'34.17"N</u>	Long: -104°40'34.34'	W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slop	Des	NWI classifi	_{cation:} None
Are climatic / hydrologic conditions on the site typical for this t	time of year? Yes X N	o (If no, explain in F	Remarks.)
Are Vegetation, Soil, or Hydrology sig	nificantly disturbed? A	re "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology nat	turally problematic? (I	f needed, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS Attach site man al	howing compling poin	t locations transact	important features ate

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>x</u> Yes <u>x</u> Yes <u>x</u>	No No No	Is the Sampled Area within a Wetland?	Yes <u>×</u>	No
Remarks:					

VEGETATION – Use scientific names of plants.

NA	Absolute	Dominant Inc		Dominance Test worksheet:
Tree Stratum (Plot size: NA) 1)		<u>Species?</u> S		Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2 3				Total Number of Dominant Species Across All Strata: <u>1</u> (B)
4		= Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				OBL species x 1 =
3				FACW species <u>110</u> x 2 = <u>220</u>
4				FAC species x 3 =
5				FACU species x 4 =
Ε'		= Total Cover		· <u> </u>
Herb Stratum (Plot size: 5')	00			UPL species $x = 220$
1. Juncus arcticus	_ 90		ACW	Column Totals: 110 (A) 220 (B)
2. Carex sp.	20	<u></u> ⊢/	AC₩	Prevalence Index = $B/A = 2$
3				Hydrophytic Vegetation Indicators:
4				 X 1 - Rapid Test for Hydrophytic Vegetation
5				× 2 - Dominance Test is >50%
6				x 3 - Prevalence Index is ≤3.0 ¹
7				 4 - Morphological Adaptations¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
11	110			be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA)		= Total Cover		
1				Hydrophytic
2			_	Vegetation
% Bare Ground in Herb Stratum 0		= Total Cover		Present? Yes X No
Remarks:				

SOIL

Sampling Point: WT-A18-WT1

Profile Desc	cription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/1	100					Sandy Loam	Lots of roots and organics
6-18	10 YR 2/1	98	7.5 YR 4/6	2	<u> </u>	M/PL	Sandy Clay Lo	am
		·					·	
		·						
		·					· - <u></u>	
							·	
¹ Type: $C=C$	oncentration, D=Dep	letion RM	=Reduced Matrix CS	- S=Covere	d or Coate	ed Sand G	irains ² l o	cation: PL=Pore Lining, M=Matrix.
	Indicators: (Applic						Indicato	brs for Problematic Hydric Soils ³ :
Histosol			Sandy Redox (,			n Muck (A10)
	pipedon (A2)		Stripped Matrix					Parent Material (TF2)
	istic (A3)		Loamy Mucky M	· · ·	1) (excep	t MLRA 1		y Shallow Dark Surface (TF12)
	en Sulfide (A4)		Loamy Gleyed					er (Explain in Remarks)
Deplete	d Below Dark Surfac	e (A11)	Depleted Matrix					
	ark Surface (A12)		× Redox Dark Su					ors of hydrophytic vegetation and
-	/lucky Mineral (S1)		Depleted Dark					ind hydrology must be present,
	Gleyed Matrix (S4)		Redox Depress	ions (F8)			unles	ss disturbed or problematic.
	Layer (if present):							
Type: fro								×
Depth (in	ches): <u>18</u>						Hydric Soil	Present? Yes <u>X</u> No
HYDROLO								
-	drology Indicators:)			C	
	cators (minimum of o	ne require			(20) (ndary Indicators (2 or more required)
	Water (A1)		Water-Sta		. , .	except	V	Vater-Stained Leaves (B9) (MLRA 1, 2 ,
	ater Table (A2)			1, 2, 4A,	and 4B)		_	4A, and 4B)
Saturati	()		Salt Crust	. ,				Drainage Patterns (B10)
	larks (B1)		Aquatic In					Ory-Season Water Table (C2)
	nt Deposits (B2)		Hydrogen					aturation Visible on Aerial Imagery (C9)
	posits (B3)		<u>×</u> Oxidized F		-	-		Seomorphic Position (D2)
	at or Crust (B4)		Presence					Shallow Aquitard (D3)
	posits (B5)		Recent Irc					AC-Neutral Test (D5)
	Soil Cracks (B6)		Stunted or			01) (LRR A		Raised Ant Mounds (D6) (LRR A)
	on Visible on Aerial I	•••		plain in Re	emarks)		F	rost-Heave Hummocks (D7)
	y Vegetated Concave	e Surface (88)					
Field Obser								
Surface Wat			No × Depth (in					
Water Table			No x Depth (in					Y Y
Saturation P		'es	No x Depth (in	ches):		Wet	land Hydrolog	y Present? Yes <u>X</u> No
(includes ca Describe Re	corded Data (stream	gauge, m	onitoring well, aerial	photos, p	revious ins	spections).	, if available:	
		J J-,	J	, ,				
Remarks:								

Project/Site: <u>Jayne's Parcel</u>	City/County: El	Paso	_ Sampling Date: 2/1/22
Applicant/Owner:		State: CO	_ Sampling Point: WT-A30-UP1
Investigator(s): S. Clark	Section, Towns	hip, Range: <u>S28</u> and 33, T12	S, R65W
Landform (hillslope, terrace, etc.): hillslope		ncave, convex, none): <u>concave</u>	
Subregion (LRR): E	Lat: <u>38°58'14.57"N</u>	Long: - 104°40'29.6	"W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slop	es	NWI classif	ication: None
Are climatic / hydrologic conditions on the site typical for this ti	me of year? Yes X	_ No (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology sigr	nificantly disturbed?	Are "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology natu	urally problematic?	(If needed, explain any answ	ers in Remarks.)
		• • • • • •	

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No <u>X</u> No <u>X</u> No <u>X</u>	Is the Sampled Area within a Wetland?	Yes	No <u>×</u>
Remarks:					

VEGETATION – Use scientific names of plants.

NA	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: NA)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				
				Total Number of Dominant Species Across All Strata: 2 (B)
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
		= Total Co	over	That Are OBL, FACW, or FAC: 0 (A/B)
Sapling/Shrub Stratum (Plot size: NA)				Prevalence Index worksheet:
1				
2				Total % Cover of: Multiply by:
				OBL species 0 $x_1 = 0$
3				FACW species $0 x 2 = 0$
4				FAC species $\frac{2}{x 3} = \frac{6}{x}$
5				00 000
		= Total Co	over	
Herb Stratum (Plot size: 5')				UPL species $\frac{20}{x 5} = \frac{100}{x 5}$
1 Schizachyrium scoparium	20		UPL	Column Totals: <u>102</u> (A) <u>426</u> (B)
2. Sporobolus heterolepis	40	x	FACU	Developed Index D/A 4 18
3 Andropogon gerardii	40	x	FACU	Prevalence Index = B/A = 4.18
^d Cirsium arvense	2		FAC	Hydrophytic Vegetation Indicators:
- T				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				$_$ 3 - Prevalence Index is $\leq 3.0^1$
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation ¹ (Explain)
11				¹ Indicators of hydric soil and wetland hydrology must
· · · · _	102			be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA)	102	= Total Co	ver	
1				Hydrophytic
2				Vegetation
		= Total Co	ver	Present? Yes <u>No X</u>
% Bare Ground in Herb Stratum 0				
Remarks:				1

epth	Matrix		Redox Features	. ?	-		-	
<u>nches)</u>	Color (moist)	<u>%</u>	Color (moist) % Type		Texture		Remarks	3
-1	10YR 2/1	100			Sandy loam			
				·				
						<u> </u>		
·						·		
·					. 2.	·		
			Reduced Matrix, CS=Covered or Coa	ted Sand Gra		ocation: PL=		
		able to all	LRRs, unless otherwise noted.)			ors for Prob	-	aric Solis :
Histosol (,		Sandy Redox (S5)			m Muck (A10		
	pedon (A2)		Stripped Matrix (S6)			d Parent Mat		(TE40)
Black His			Loamy Mucky Mineral (F1) (exce Loamy Gleyed Matrix (F2)	pt IVILRA 1)		ry Shallow Da		. ,
	I Sulfide (A4) Below Dark Surfac	ο (Δ11)	Depleted Matrix (F3)		0	her (Explain i	n Remarks)	
•	k Surface (A12)		Redox Dark Surface (F6)		³ Indicat	tors of hydrop	hytic veget:	ation and
-	ucky Mineral (S1)		Depleted Dark Surface (F7)			and hydrolog		
•	eyed Matrix (S4)		Redox Depressions (F8)			ess disturbed		
-	ayer (if present):							
Type: Froz								
						il Present?	Yes	NoX
^{marks:} likely to	be hydric di	ue to pla	ant community and landso	ape posi	-			
marks: likely to DROLOG	be hydric di		ant community and landso	ape posi	-			
marks: likely to DROLOG) be hydric di GY rology Indicators:		ant community and landso	ape posi	tion.		tors (2 or m	ore required)
marks: likely to DROLOG stland Hyde mary Indica) be hydric di GY rology Indicators:				tion.	ondary Indica		ore required)
marks: likely to DROLOG stland Hyde mary Indica Surface V	b be hydric di GY rology Indicators: ators (minimum of c Vater (A1)		t; check all that apply)		tion.	ondary Indica	d Leaves (B	ore required)
marks: likely to DROLOG tland Hyde mary Indica Surface V	b be hydric du GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2)		l; check all that apply) Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B)		tion.	ondary Indica Water-Staine 4A, and 4	d Leaves (E B)	ore required)
marks: likely to DROLOG tland Hyde mary Indica Surface V High Wate Saturation	b be hydric du GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3)		t; check all that apply) Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) Salt Crust (B11)		<u>Secc</u>	ondary Indica Water-Staine 4A, and 4 Drainage Pat	d Leaves (B B) terns (B10)	ore required) 39) (MLRA 1, 2
marks: likely to DROLOG tland Hyde mary Indica Surface V High Wate Saturation Water Ma	b be hydric du SY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) irks (B1)		I: check all that apply) — Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13)	(except	tion.	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V	d Leaves (B B) terns (B10) Nater Table	<u>ore required)</u> 39) (MLRA 1, 2 (C2)
marks: likely to DROLOG tland Hydr mary Indica Surface V High Wate Saturation Water Ma Sediment	b be hydric du by rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2)		I: check all that apply) — Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1)	(except	tion.	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis	d Leaves (B B) terns (B10) Vater Table sible on Aer	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C
marks: likely to DROLOG tland Hydr mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo	b be hydric du b b be hydric du b b be hydric du b b be hydric du b b b be hydric du b b b b b b b b b b b b b b b b b b b		I: 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	(except g Living Root:	tion. <u>Secc</u>	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I	d Leaves (B B) terns (B10) Water Table sible on Aer Position (D2	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C
marks: likely to DROLOG tiland Hyde mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat	b be hydric du FY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4)		I: 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 ((except g Living Root: C4)	tion. <u>Secc</u> 	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit	d Leaves (B B) terns (B10) Vater Table sible on Aer Position (D2 tard (D3)	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C
marks: likely to DROLOG tland Hyde mary Indica Surface V High Wate Saturatior Water Ma Sediment Drift Depo Algal Mat Iron Depo	b be hydric du Frology Indicators: ators (minimum of co Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5)		I: 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	(except g Living Root: C4) led Soils (C6)	tion. <u>Secc</u>	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5)	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C 2)
marks: likely to DROLOG etland Hydi mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S	b be hydric du b b be hydric du b b be hydric du b b be hydric du b be hydric du b be hydric du b be hydric du	one required	4: check all that apply)	(except g Living Root: C4) led Soils (C6)	tion. <u>Secc</u>	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5) lounds (D6)	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C 2) (LRR A)
marks: likely to DROLOG stland Hydr mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation	b be hydric du b c c c c c c c c c c c c c c c c c c c	one required	A: check all that apply)	(except g Living Root: C4) led Soils (C6)	tion. <u>Secc</u>	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5) lounds (D6)	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3 2) (LRR A)
marks: likely to DROLOG tland Hydr Mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely	b be hydric du b be hydric du b be hydric du b be hydric du b be hydric do b be h	one required	A: check all that apply)	(except g Living Root: C4) led Soils (C6)	tion. <u>Secc</u>	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5) lounds (D6)	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3 2) (LRR A)
marks: likely to DROLOG tland Hyde mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely V Hid Observer	b be hydric du FY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) soil Cracks (B6) n Visible on Aerial Vegetated Concave ations:	one required Imagery (B7 e Surface (E	I: check all that apply)	(except g Living Root: C4) led Soils (C6) D1) (LRR A)	tion. <u>Secc</u>	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5) lounds (D6)	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3 2) (LRR A)
marks: likely to DROLOG etland Hydi mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Hid Observa rface Water	b be hydric du b be h	one required Imagery (B7 e Surface (E 'es 1	d: check all that apply)	(except g Living Root: C4) led Soils (C6) D1) (LRR A)	tion. <u>Secc</u>	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5) lounds (D6)	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3 2) (LRR A)
DROLOG Tand Hydr mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Dd Observa rface Water	b be hydric du b be h	Imagery (B7 e Surface (E res f	A: check all that apply)	(except g Living Root: C4) led Soils (C6) D1) (LRR A)	tion. 	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5) lounds (D6) Hummocks	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3 2) (LRR A) (D7)
marks: IIKely to DROLOG etiand Hydr mary Indica Surface V High Watr Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation	b be hydric du b be h	Imagery (B7 e Surface (E res f	d: check all that apply)	(except g Living Root: C4) led Soils (C6) D1) (LRR A)	tion. 	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5) lounds (D6) Hummocks	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3 2) (LRR A) (D7)
marks: DROLOG etiand Hyd mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely eld Observa rface Watel ater Table F turation Pre- cludes capi	be hydric du be hydric du sy rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) rrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Present? Y esent? Y	Imagery (B7 e Surface (B és 1 és 1	A: check all that apply)	(except g Living Root: C4) led Soils (C6) D1) (LRR A)	tion. 	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5) lounds (D6) Hummocks	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C 2) (LRR A) (D7)
marks: DROLOG etland Hyd mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely eld Observa rface Watel ater Table F turation Pre- cludes capi	be hydric du be hydric du sy rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) rrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Present? Y esent? Y	Imagery (B7 e Surface (B és 1 és 1	d: check all that apply)	(except g Living Root: C4) led Soils (C6) D1) (LRR A)	tion. 	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5) lounds (D6) Hummocks	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3 2) (LRR A) (D7)
marks: DROLOG etiand Hyd mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely eld Observa rface Watel ater Table F turation Pre- cludes capi	be hydric du be hydric du sy rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Present? Y esent? Y	Imagery (B7 e Surface (B és 1 és 1	d: check all that apply)	(except g Living Root: C4) led Soils (C6) D1) (LRR A)	tion. 	ondary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	d Leaves (E B) terns (B10) Water Table sible on Aer Position (D2 tard (D3) Test (D5) lounds (D6) Hummocks	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3 2) (LRR A) (D7)

Project/Site: Jayne's Parcel	City/County: El	Paso	Sampling Date: 2/1/22
Applicant/Owner:		State: CO	_ Sampling Point: WT-A30-WT1
Investigator(s): S. Clark	Section, Townsh	hip, Range: <u>S28 and 33, T12</u>	S, R65W
Landform (hillslope, terrace, etc.): swale			Slope (%): 7
Subregion (LRR): E		Long: - 104°40'30.34	"W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slo	opes	NWI classifi	_{cation:} None
Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes X	No (If no, explain in I	Remarks.)
Are Vegetation, Soil, or Hydrologys	ignificantly disturbed?	Are "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology n	aturally problematic?	(If needed, explain any answe	ers in Remarks.)
CUMMARY OF FINDINGS Attach site man	abowing compling p	aint locational transact	important factures ato

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>x</u> Yes <u>x</u> Yes <u>x</u>	No No No	Is the Sampled Area within a Wetland?	Yes <u>×</u>	No
Remarks:					

VEGETATION – Use scientific names of plants.

NA	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: NA)		Species?		Number of Dominant Species	
1				That Are OBL, FACW, or FAC: (A)	
2				Total Number of Dominant	
3				Species Across All Strata:(B)	
4				Percent of Dominant Species	
Sapling/Shrub Stratum (Plot size: NA)		= Total Co	over	That Are OBL, FACW, or FAC: 100 (A/	B)
				Prevalence Index worksheet:	
1				Total % Cover of: Multiply by:	
2				OBL species 0 $x = 0$	
3				FACW species $60 x 2 = 120$	
4				EAC species $\frac{27}{2}$ $x_2 = \frac{3}{81}$	
5				1 AC species X 3 =	
		= Total Co	ver	FACU species $\frac{20}{2}$ x 4 = $\frac{80}{2}$	
Herb Stratum (Plot size: 5')				UPL species $0 x 5 = 0$	
Juncus arcticus	60	х	FACW	Column Totals: 107 (A) 281 (B	3)
2. Rumex crispus	2		FAC		
3. Achillea millefolium	10		FACU	Prevalence Index = B/A = 2.63	
4 Pascopyrum smithii	10		FACU	Hydrophytic Vegetation Indicators:	
	- 10			<u>×</u> 1 - Rapid Test for Hydrophytic Vegetation	
5. Elymus trachycaulus			FAC	<u>x</u> 2 - Dominance Test is >50%	
6. Agrostis cf. gigantea	20		FAC	x 3 - Prevalence Index is $\leq 3.0^{1}$	
7				4 - Morphological Adaptations ¹ (Provide supporti	na
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
				Problematic Hydrophytic Vegetation ¹ (Explain)	
10			·	¹ Indicators of hydric soil and wetland hydrology must	
11				be present, unless disturbed or problematic.	
	107	= Total Co	ver		
Woody Vine Stratum (Plot size: NA)					
1				Hydrophytic	
2				Vegetation	
		= Total Co		Present? Yes X No	
% Bare Ground in Herb Stratum 0		=			
Remarks:					

Sampling Point: WT-A30-WT1

(inches) 0-1 	Color (moist) 10YR 2/1	<u> </u>	Color (moist) % Type ¹	Loc ² Tex	xture Remarks
				0	1
					loam with a sand seam
				· ·	
				· ·	
				· ·	
					21 Aliana DL. Dana Liaina AA Mathia
			Reduced Matrix, CS=Covered or Coate RRs, unless otherwise noted.)		² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
_ Histosol (A			Sandy Redox (S5)		2 cm Muck (A10)
	bedon (A2)	-	Stripped Matrix (S6)	-	Red Parent Material (TF2)
Black Hist	. ,	-	Loamy Mucky Mineral (F1) (excep	t MLRA 1)	Very Shallow Dark Surface (TF12)
	Sulfide (A4)		Loamy Gleyed Matrix (F2)		Other (Explain in Remarks)
	Below Dark Surfac	ce (A11)	Depleted Matrix (F3)	_	
	k Surface (A12)		x Redox Dark Surface (F6)	3	³ Indicators of hydrophytic vegetation and
-	cky Mineral (S1)	-	Depleted Dark Surface (F7)		wetland hydrology must be present,
	eyed Matrix (S4)	-	Redox Depressions (F8)		unless disturbed or problematic.
estrictive La _{Type:} Froz	yer (if present):				
					X
Depth (inch emarks:	es): <u>~</u>			Hyd	Iric Soil Present? Yes X No
DROLOG					
-	ology Indicators		check all that apply)		Secondary Indicators (2 or more required)
Surface W		one required,	Water-Stained Leaves (B9) (avcent	Water-Stained Leaves (B9) (MLRA 1, 2,
	er Table (A2)		MLRA 1, 2, 4A, and 4B)	, cept	4A, and 4B)
Saturation			Salt Crust (B11)		Drainage Patterns (B10)
_ Water Mar	()		Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)
	Deposits (B2)		Hydrogen Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)
Drift Depo				Living Roots (C3)) <u>x</u> Geomorphic Position (D2)
	or Crust (B4)		Presence of Reduced Iron (C		Shallow Aquitard (D3)
Iron Depos			Recent Iron Reduction in Tille		× FAC-Neutral Test (D5)
Surface S	oil Cracks (B6)		Stunted or Stressed Plants (D	01) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation	visible on Aerial	Imagery (B7)	Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
_ Sparsely \	/egetated Concav	ve Surface (B	8)		
ield Observa	ations:				
urfage Mater	Present?	Yes N	o <u>×</u> Depth (inches):		
unace water	resent?	Yes N	o x Depth (inches):		
		Yes N	o <u>x</u> Depth (inches):	Wetland Hy	ydrology Present? Yes X No
/ater Table Platuration Pres				poctions) if avail	abla
/ater Table P aturation Pre ncludes capill	lary fringe)	n gauge, mor	itoring well, aerial photos, previous ins	spections), il avail	able.
Vater Table P Saturation Pre- Includes capill Describe Reco	lary fringe)	n gauge, mor	litoring well, aerial photos, previous ins	spections), il avail	able.
Vater Table Platuration Pres	lary fringe)	n gauge, mor	litoring well, aerial photos, previous ins		able.

Project/Site: Jayne's Parcel	City/County: E	l Paso	Samplin	g Date: 2/1/22
Applicant/Owner:		State: CO		g Point: WT-A33-UP1
Investigator(s): S. Clark	Section, Towns	ship, Range: S28 and 33,	T12S, R65W	
Landform (hillslope, terrace, etc.): hillslope		oncave, convex, none): <u>con</u>		Slope (%): <u>5</u>
	38°58'22.79"N	Long: - 104°40'2	4.10"W	Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slopes		NWI cla	assification: No	one
Are climatic / hydrologic conditions on the site typical for this time o	f year? Yes <u>X</u>	No (If no, explai	n in Remarks.)	
Are Vegetation, Soil, or Hydrology significat	ntly disturbed?	Are "Normal Circumstan	ces" present?	Yes X No
Are Vegetation, Soil, or Hydrology naturally	problematic?	(If needed, explain any a	nswers in Rem	narks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No <u>X</u> No <u>X</u> No <u>X</u>	Is the Sampled Area within a Wetland?	Yes	No <u>×</u>
Remarks:					

VEGETATION – Use scientific names of plants.

NA	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: NA) 1)	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: <u>3</u> (B)
4				Percent of Dominant Species
		= Total Co	over	That Are OBL, FACW, or FAC: 0 (A/B)
Sapling/Shrub Stratum (Plot size: NA)				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				$\overline{\text{OBL species}} \underline{0} \qquad x \ 1 = \underline{0}$
3				FACW species $0 \times 2 = 0$
4				
5				FAC species $\frac{1}{2}$ $x_3 = \frac{1}{2}$
		= Total Co	ver	
Herb Stratum (Plot size: <u>5</u> ')				UPL species $\frac{32}{100}$ x 5 = $\frac{160}{100}$
_{1.} <u>C</u> entaurea diffusa	20	х	UPL	Column Totals: <u>102</u> (A) <u>430</u> (B)
2. Pascopyrum smithii	20	x	FACU	Prevalence Index = $B/A = 4.22$
3. Sporobolus heterolepis	20	x	FACU	Hydrophytic Vegetation Indicators:
Achillea millefolium	10		FACU	
5. Cirsium arvense	10		FAC	1 - Rapid Test for Hydrophytic Vegetation
6. Schizachyrium scoparium	5		UPL	2 - Dominance Test is >50%
7 Bouteloua gracilis	- 5		UPL	3 - Prevalence Index is ≤3.0 ¹
8. Artemisia frigida	- 2			4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
g. Elymus elymoides			FACU	5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation ¹ (Explain)
11				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
NIA	102	= Total Co	ver	be present, unless disturbed of problematic.
Woody Vine Stratum (Plot size: NA)				
1				Hydrophytic
2				Vegetation
_		= Total Co		Present? Yes No X
% Bare Ground in Herb Stratum _0				
Remarks:				

	cription: (Describe	to the depth				or confirm t	the absence of indicators.)
Depth (inchor)	Matrix	%		x Features	Type ¹	Loc ²	Tautura
(inches) 0-9	Color (moist) 10YR 2/1	100	Color (moist)	%	Туре		Texture Remarks
					<u> </u>	F	Fine sandy loam
		·					
		·			<u> </u>		<u> </u>
		·			<u> </u>		
1						<u> </u>	
	oncentration, D=Dep Indicators: (Applic					d Sand Grai	ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
-							-
Histosol			Sandy Redox (2 cm Muck (A10)
	pipedon (A2)		Stripped Matrix Loamy Mucky N	• •) (avaant		Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
	istic (A3) en Sulfide (A4)	_	Loamy Mucky F Loamy Gleyed			WILKA 1)	Other (Explain in Remarks)
· ·	d Below Dark Surface	o (A11)	_ Depleted Matrix	• •)		
<u> </u>	ark Surface (A12)	e (ATT)	_ Redox Dark Su				³ Indicators of hydrophytic vegetation and
	Aucky Mineral (S1)		_ Depleted Dark		7)		wetland hydrology must be present,
-	Gleyed Matrix (S4)		Redox Depress		.,		unless disturbed or problematic.
	Layer (if present):						
Type: Fro							
Depth (in							Hydric Soil Present? Yes No _X
Remarks:							·· · ,
YDROLO	GY drology Indicators:						
	cators (minimum of o		check all that appl	V)			Secondary Indicators (2 or more required)
	Water (A1)		Water-Sta		es (B9) (ex	cept	Water-Stained Leaves (B9) (MLRA 1,
	ater Table (A2)			1, 2, 4A, a	. , .		4A, and 4B)
Saturati			Salt Crust				Drainage Patterns (B10)
	larks (B1)		Aquatic In		s (B13)		Dry-Season Water Table (C2)
	nt Deposits (B2)		Hydrogen				Saturation Visible on Aerial Imagery (C
	posits (B3)					_iving Roots	
	at or Crust (B4)		Presence		-	-	Shallow Aquitard (D3)
	posits (B5)					/ I Soils (C6)	
	. ,					. ,	
	Soil Cracks (B6)	mageny (D7)				l) (LRR A)	
	on Visible on Aerial I y Vegetated Concave	••••	Other (Exp		11/01/15)		Frost-Heave Hummocks (D7)
Field Obser			/				
Surface Wat			. × Depth (in	chee).			
						_	
Water Table			x Depth (in				nd Ukudan Jamu Bana anto Marana N
		es No	x Depth (in	cnes):		_ vvetiar	nd Hydrology Present? Yes No X
			toring well aerial	photos, pre	evious insp	pections), if	f available:
(includes ca		gauge, moni	tornig wen, aeriar				
(includes ca	corded Data (stream	gauge, moni	toring well, achar			,.	
Describe Re		gauge, moni				<i>,</i>	
(includes ca Describe Re Remarks:	corded Data (stream				ne nosi		
(includes ca Describe Re Remarks:					pe posi		
(includes ca Describe Re Remarks:	corded Data (stream				pe posi		

Project/Site: Jayne's Parcel	City/County: El Paso		_ Sampling Date: 2/1/22
Applicant/Owner:		State: CO	_ Sampling Point: <u>WT-A33-W</u> T1
Investigator(s): S. Clark	Section, Township, Rang	_{ge:} <u>S28 and 33, T12</u>	S, R65W
Landform (hillslope, terrace, etc.): swale	Local relief (concave, co		2
Subregion (LRR): E	Lat: <u>38°58'22.66"N</u>	Long: - 104°40'24.5	9"W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slo	pes	NWI classi	fication: None
Are climatic / hydrologic conditions on the site typical for this	time of year? Yes X No	(If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology sig	nificantly disturbed? Are "N	lormal Circumstances'	' present? Yes X No
Are Vegetation, Soil, or Hydrology na	turally problematic? (If nee	ded, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS Attach site man a	howing compling point lo	actions transport	a important factures ato

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>x</u> Yes <u>x</u> Yes <u>x</u>	No No No	Is the Sampled Area within a Wetland?	Yes <u>×</u>	No
Remarks:					

VEGETATION – Use scientific names of plants.

NA NA	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: NA) 1		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 3				Total Number of Dominant Species Across All Strata: <u>1</u> (B)
4		= Total Co		Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
1,				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
2				OBL species 0 $x_1 = 0$
3				FACW species $\frac{90}{x 2} = \frac{180}{x}$
4			·	FAC species 10 x 3 = 30
5				FACU species $\frac{2}{2}$ x 4 = $\frac{8}{2}$
F '		= Total Co	over	UPL species x 5 =
Herb Stratum (Plot size: 5')	00			100 010
1. Juncus arcticus	_ 90	<u>x</u>	FAC\	Column Totals: 102 (A) 218 (B)
2. Verbascum thapsus	2		FACU	Prevalence Index = $B/A = 2.14$
3. Cirsium arvense	10		FAC	Hydrophytic Vegetation Indicators:
4				<u>×</u> 1 - Rapid Test for Hydrophytic Vegetation
5				× 2 - Dominance Test is >50%
6				x 3 - Prevalence Index is $\leq 3.0^{1}$
7				4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
8				5 - Wetland Non-Vascular Plants ¹
9				Problematic Hydrophytic Vegetation ¹ (Explain)
10			·	
11			·	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	102	= Total Co	ver	
Woody Vine Stratum (Plot size: NA)				
1			·	Hydrophytic
2				Vegetation Present? Yes X No
% Bare Ground in Herb Stratum 0		= Total Co	ver	Present? Yes <u>×</u> No
Remarks:				•

Sampling Point: ______

Profile Des	cription: (Describ	e to the dep	oth needed to doo	ument the in	dicator o	r confirn	n the absence of ir	ndicators.)
Depth (inches)	Matrix	0/		dox Features		1 6 5 2	Touture	Domentic
(inches) 0-4	Color (moist) 10YR 2/1	<u>%</u> 100	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4							Sandy Loam	
							<u> </u>	
	Concentration, D=De					Sand C		n: PL=Pore Lining, M=Matrix.
	Indicators: (Appl					Sanu G		or Problematic Hydric Soils ³ :
Histoso			Sandy Redox		,		2 cm Mu	•
	pipedon (A2)		Stripped Mat	. ,				ent Material (TF2)
	listic (A3)			y Mineral (F1)	(excent)			allow Dark Surface (TF12)
	en Sulfide (A4)			ed Matrix (F2)				xplain in Remarks)
	d Below Dark Surfa	ICE (A11)	Depleted Ma					
	ark Surface (A12)		Redox Dark				³ Indicators of	f hydrophytic vegetation and
	Mucky Mineral (S1)			rk Surface (F7	7)			ydrology must be present,
	Gleyed Matrix (S4)		Redox Depre		/			sturbed or problematic.
	Layer (if present):							
Type: Fr	ozen							
Depth (ir							Hydric Soil Pres	sent? Yes X No
Remarks:								
)GY /drology Indicators							
-	cators (minimum of		d: check all that ar	vlac			Secondary	y Indicators (2 or more required)
		one require	-		c (B0) (cy	cont		
	Water (A1)			Stained Leave		сері		-Stained Leaves (B9) (MLRA 1, 2,
-	ater Table (A2)			A 1, 2, 4A, a	10 4B)			, and 4B)
Saturat	()			ıst (B11)	(5.4.0)			age Patterns (B10)
	/larks (B1)		·	Invertebrates	. ,		-	eason Water Table (C2)
	nt Deposits (B2)			en Sulfide Od				ation Visible on Aerial Imagery (C9)
	Drift Deposits (B3) Oxidized Rhizospheres along Living Roo					. ,	orphic Position (D2)	
-	_ Algal Mat or Crust (B4) Presence of Reduced Iron (C4)						ow Aquitard (D3)	
Iron De	posits (B5)		Recent	Iron Reductio	n in Tilled	Soils (C6	6) <u>×</u> FAC-N	Neutral Test (D5)
	Soil Cracks (B6)			or Stressed F) (LRR A		d Ant Mounds (D6) (LRR A)
	ion Visible on Aeria			Explain in Rer	narks)		Frost-	Heave Hummocks (D7)
Sparsel	y Vegetated Conca	ve Surface (B8)					
Field Obse								
Surface Wa	ter Present?	Yes	No × Depth	(inches):		_		
	Present?	Yes	No <u>x</u> Depth	(inches):				
Water Table		V	No <u>x</u> Depth	(inches):		Wetl	and Hydrology Pre	esent? Yes X No
Saturation F		res						
Saturation F (includes ca	pillary fringe)			al abotes			if available.	
Saturation F (includes ca				al photos, pre	vious insp		if available:	
Saturation F (includes ca Describe Re	pillary fringe)			al photos, pre	vious insp		if available:	
Saturation F (includes ca	pillary fringe)			al photos, pre	vious insp		if available:	
Saturation F (includes ca Describe Re	pillary fringe)			al photos, pre	vious insp		if available:	
Saturation F (includes ca Describe Re	pillary fringe)			al photos, pre	vious insp		if available:	

Project/Site: <u>Jayne's Parcel</u>	City/County: El	Paso	_ Sampling Date: 2/1/22
Applicant/Owner:		State: CO	_ Sampling Point: WT-A39-UP1
Investigator(s): S. Clark	Section, Towns	hip, Range: <u>S28</u> and 33, T12	S, R65W
Landform (hillslope, terrace, etc.): hillslope		ncave, convex, none): <u>concav</u>	
Subregion (LRR): E	Lat: <u>38°58'28.88"N</u>	Long: - 104°40'13.0	1"W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slop	es	NWI classi	ication: None
Are climatic / hydrologic conditions on the site typical for this ti	me of year? Yes X	_ No (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology sign	nificantly disturbed?	Are "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology nate	urally problematic?	(If needed, explain any answ	ers in Remarks.)
		• • • • • • •	

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No <u>X</u> No <u>X</u> No <u>X</u>	Is the Sampled Area within a Wetland?	Yes	No <u>×</u>
Remarks:					

VEGETATION – Use scientific names of plants.

NA	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: NA) 1)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2 3				Total Number of Dominant Species Across All Strata: (B)
4		= Total Co		Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)
				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				OBL species $\frac{5}{x + 1} = \frac{5}{x + 1}$
3				FACW species $0 x 2 = 0$
4				FAC species $0 \times 3 = 0$
5				FACU species $\frac{15}{15}$ x 4 = $\frac{60}{15}$
ς,		= Total Co	over	
Herb Stratum (Plot size: 5')	_			UPL species $x_0 =$
_{1.} Typha sp.	5		OBL	Column Totals: <u>60</u> (A) <u>265</u> (B)
2. Verbascum thapsus	15	x	FACU	Prevalence Index = $B/A = 4.42$
3. Centaurea diffusa	40	х	UPL	Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				$3 - Prevalence Index is \leq 3.0^1$
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
11	~~			be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA)		= Total Co	ver	
				Hadron bada
1				Hydrophytic Vegetation
2 % Bare Ground in Herb Stratum 20		= Total Co		Present? Yes <u>No X</u>
Pemarke:				

Profile Desc	cription: (Describe	e to the dept	Theeded to docum				the abser	ice of indicators.)
Depth	Matrix			Features		. 2	- .	- .
<u>(inches)</u> 0-3	Color (moist) 10YR 3/1	_ <u>%</u> - 100 -	Color (moist)	%	Type ¹	Loc ²	Texture	
							Sandy loa	m
3-7	10 YR 4/2	100					Sand	
						·		
¹ Type: C=C	oncentration D=De	nletion RM=I	Reduced Matrix, CS	=Covered	or Coate		ins ²	² Location: PL=Pore Lining, M=Matrix.
			RRs, unless other					cators for Problematic Hydric Soils ³ :
Histosol			Sandy Redox (S		,			2 cm Muck (A10)
	oipedon (A2)	-	Stripped Matrix (Red Parent Material (TF2)
	stic (A3)	-	Loamy Mucky M) (except	MLRA 1)		Very Shallow Dark Surface (TF12)
	en Sulfide (A4)	-	Loamy Gleyed N	•	••••	,		Other (Explain in Remarks)
Depleted	d Below Dark Surfa	ce (A11)	Depleted Matrix					
Thick Da	ark Surface (A12)	_	Redox Dark Sur	face (F6)			³ India	cators of hydrophytic vegetation and
Sandy M	lucky Mineral (S1)	-	Depleted Dark S		7)			etland hydrology must be present,
	Bleyed Matrix (S4)		Redox Depressi	ons (F8)			u	nless disturbed or problematic.
	Layer (if present):							
Type: Fro								Y
Depth (in	ches): /						Hydric S	Soil Present? Yes <u>No X</u>
HYDROLO Wetland Hyd	GY drology Indicators	:						
Primary Indic	cators (minimum of	one required;	check all that apply	()			<u>Se</u>	econdary Indicators (2 or more required)
Surface	Water (A1)		Water-Stair	ned Leave	es (B9) (e z	ccept		Water-Stained Leaves (B9) (MLRA 1, 2,
High Wa	ater Table (A2)		MLRA 1	, 2, 4A, a	nd 4B)			4A, and 4B)
Saturatio	on (A3)		Salt Crust (B11)				Drainage Patterns (B10)
Water M	larks (B1)		Aquatic Inv	ertebrates	s (B13)			Dry-Season Water Table (C2)
Sedimer	nt Deposits (B2)		Hydrogen S	Sulfide Od	or (C1)			_ Saturation Visible on Aerial Imagery (C9)
Drift Dep	posits (B3)		Oxidized R	hizospher	es along l	_iving Roots	s (C3)	_ Geomorphic Position (D2)
Algal Ma	at or Crust (B4)		Presence of	of Reduced	d Iron (C4	`		Shallow Aquitard (D3)
	acita (DE))		
Iron Dep	DOSILS (DD)		Recent Iror	n Reductio	n in Tilleo			_ FAC-Neutral Test (D5)
	Soil Cracks (B6)					Soils (C6)		
Surface	Soil Cracks (B6) on Visible on Aerial	0,0,0	Recent Iror Stunted or Other (Exp	Stressed	Plants (D	Soils (C6)		FAC-Neutral Test (D5)
Surface	Soil Cracks (B6)	0,0,0	Recent Iror Stunted or Other (Exp	Stressed	Plants (D	Soils (C6)		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A)
Surface	Soil Cracks (B6) on Visible on Aerial y Vegetated Concav	0,0,0	Recent Iror Stunted or Other (Exp	Stressed	Plants (D	Soils (C6)		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A)
Surface Inundation Sparsely	Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present?	ve Surface (B Yes N	Recent Iror Stunted or Other (Exp 8)	Stressed lain in Rer	Plants (D [.] marks)	I Soils (C6) 1) (LRR A)		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A)
Surface Inundati Sparsely Field Obser Surface Wate Water Table	Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present?	ve Surface (B Yes N	Recent Iror Stunted or Other (Exp 8)	Stressed lain in Rer	Plants (D [.] marks)	I Soils (C6) 1) (LRR A)		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A) _ Frost-Heave Hummocks (D7)
Surface Grant Sparsely Field Obser Surface Wate Water Table Saturation P	Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present? resent?	ve Surface (B Yes N Yes N	Recent Iror Stunted or Other (Exp 8)	Stressed lain in Rer hes): hes):	Plants (D [.] narks)	I Soils (C6) I) (LRR A)		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A)
Surface Inundati Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap	Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present? resent? pillary fringe)	ve Surface (B Yes N Yes N Yes N	Recent Iror Stunted or 0 Other (Exp 8) 0 Depth (inc 0 Depth (inc 10 Depth (inc	Stressed ain in Rer hes): hes): hes):	Plants (D [.] narks)	I Soils (C6) I) (LRR A) Wetlan		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A) _ Frost-Heave Hummocks (D7) logy Present? Yes No <u>X</u>
Surface Inundati Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap	Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present? resent? pillary fringe)	ve Surface (B Yes N Yes N Yes N	Recent Iror Stunted or) Other (Exp 8) o Depth (inc o Depth (inc	Stressed ain in Rer hes): hes): hes):	Plants (D [.] narks)	I Soils (C6) I) (LRR A) Wetlan		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A) _ Frost-Heave Hummocks (D7) logy Present? Yes No <u>X</u>
Surface Inundati Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap Describe Re	Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present? resent? pillary fringe)	ve Surface (B Yes N Yes N Yes N	Recent Iror Stunted or 0 Other (Exp 8) 0 Depth (inc 0 Depth (inc 10 Depth (inc	Stressed ain in Rer hes): hes): hes):	Plants (D [.] narks)	I Soils (C6) I) (LRR A) Wetlan		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A) _ Frost-Heave Hummocks (D7) logy Present? Yes No <u>X</u>
Surface Inundatii Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap Describe Re Remarks:	Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present? Present? pillary fringe) corded Data (strear	ve Surface (B Yes N Yes N Yes N m gauge, mor	Recent Iror Stunted or) Other (Exp 8) lo Depth (inc o Depth (inc o Depth (inc itoring well, aerial p	Stressed lain in Rer hes): hes): hotos, pre	Plants (D marks)	I Soils (C6) I) (LRR A) U Wetlan Dections), if		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A) _ Frost-Heave Hummocks (D7) logy Present? Yes No <u>X</u>
Surface Inundatii Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap Describe Re Remarks:	Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present? Present? pillary fringe) corded Data (strear	ve Surface (B Yes N Yes N Yes N m gauge, mor	Recent Iror Stunted or 0 Other (Exp 8) 0 Depth (inc 0 Depth (inc 10 Depth (inc	Stressed lain in Rer hes): hes): hotos, pre	Plants (D marks)	I Soils (C6) I) (LRR A) U Wetlan Dections), if		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A) _ Frost-Heave Hummocks (D7) logy Present? Yes No <u>X</u>
Surface Inundatii Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap Describe Re Remarks:	Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present? Present? pillary fringe) corded Data (strear	ve Surface (B Yes N Yes N Yes N m gauge, mor	Recent Iror Stunted or) Other (Exp 8) lo Depth (inc o Depth (inc o Depth (inc itoring well, aerial p	Stressed lain in Rer hes): hes): hotos, pre	Plants (D marks)	I Soils (C6) I) (LRR A) U Wetlan Dections), if		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) (LRR A) _ Frost-Heave Hummocks (D7) logy Present? Yes No <u>X</u>

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

Project/Site: Jayne's Parcel	City/County: E	Paso	Sampling Date: 2/1/22
Applicant/Owner:		State: CO	Sampling Point: WT-A39-UP2
Investigator(s): S. Clark	Section, Towns	ship, Range: <u>S28</u> and 33, T128	S, R65W
Landform (hillslope, terrace, etc.): hillslope		oncave, convex, none): <u>concave</u>	_
Subregion (LRR): E	Lat: <u>38°58'18.58"N</u>	Long: - 104°40'15.65	"W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slop	es	NWI classifi	_{cation:} None
Are climatic / hydrologic conditions on the site typical for this til	me of year? Yes <u>×</u>	No (If no, explain in I	Remarks.)
Are Vegetation, Soil, or Hydrology sigr	ificantly disturbed?	Are "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology natu	rally problematic?	(If needed, explain any answe	ers in Remarks.)
		• • • • • •	• • • • • •

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No <u>X</u> No <u>X</u> No <u>X</u>	Is the Sampled Area within a Wetland?	Yes	No <u>×</u>
Remarks:					

VEGETATION – Use scientific names of plants.

NA	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>NA</u>) 1)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2 3				Total Number of Dominant Species Across All Strata: (B)
4		_= Total Co		Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)
				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				OBL species $0 x_1 = 0$
3				FACW species $\frac{0}{x^2} = \frac{0}{x^2}$
4			<u> </u>	FAC species $0 \times 3 = 0$
5				FACU species $\frac{20}{x 4} = \frac{80}{x}$
F '		= Total Co	ver	$\begin{array}{c} \text{VPL species} \\ 88 \\ \text{x 5} \\ \text{z 5} \\ \end{array} $
Herb Stratum (Plot size: 5')	8		UPL	100 500
1. Opuntia sp.				Column Totals: $\frac{108}{(A)}$ (A) $\frac{520}{(B)}$ (B)
2. Pascopyrum smithii	20		FACU	Prevalence Index = $B/A = 4.81$
3. Bouteloua gracilis	80	x	UPL	Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.01
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
9				Problematic Hydrophytic Vegetation ¹ (Explain)
10				¹ Indicators of hydric soil and wetland hydrology must
11	100			be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA)	100	= Total Co	ver	
1				Hydrophytic
2				Vegetation Present? Yes No _X
% Bare Ground in Herb Stratum 0		= Total Co	ver	
Remarks [.]				

Based on the time of year, species identifications were made based on remnant foliage and position on the landscape.

Profile Desc	cription: (Describe	e to the dept	h needed to docun	nent the ind	icator o	r confirm	n the absence of indicators.)
Depth	Matrix	<u> </u>		Features	_ 1	<u> </u>	
(inches)	Color (moist)		Color (moist)	<u> % </u>	Type ¹	Loc ²	Texture Remarks
0-6	10YR 2/1	100					Fine sandy loam
¹ Type: C=C	oncentration, D=De	pletion, RM=	Reduced Matrix, CS	=Covered o	r Coated	Sand Gr	
Hydric Soil	Indicators: (Appli	cable to all I	RRs, unless other	wise noted.	.)		Indicators for Problematic Hydric Soils ³ :
Histosol	()	-	Sandy Redox (S	,			2 cm Muck (A10)
	pipedon (A2)	-	Stripped Matrix	· /			Red Parent Material (TF2)
	istic (A3)	-	Loamy Mucky M		except l	MLRA 1)	
	en Sulfide (A4) d Bolow Dark Surfa		Loamy Gleyed I Doploted Matrix				Other (Explain in Remarks)
·	d Below Dark Surfa ark Surface (A12)		Depleted Matrix Redox Dark Sur				³ Indicators of hydrophytic vegetation and
	Mucky Mineral (S1)	-	Depleted Dark S	. ,			wetland hydrology must be present,
	Gleyed Matrix (S4)	-	Redox Depress				unless disturbed or problematic.
	Layer (if present):	-		()			
Type: Fro	ozen						
Depth (in	ches): 6						Hydric Soil Present? Yes No X
Remarks:	, <u> </u>						
HYDROLO	OGY						
Wetland Hy	drology Indicators	:					
Primary Indi	cators (minimum of	one required	; check all that apply	()			Secondary Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Leaves	(B9) (ex	cept	Water-Stained Leaves (B9) (MLRA 1, 2,
High Wa	ater Table (A2)		MLRA [·]	I, 2, 4A, and	1 4B)		4A, and 4B)
Saturati	on (A3)		Salt Crust	(B11)			Drainage Patterns (B10)
Water M	/arks (B1)		Aquatic Inv	ertebrates (B13)		Dry-Season Water Table (C2)
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide Odor	· (C1)		Saturation Visible on Aerial Imagery (C9)
	posits (B3)			hizospheres	-	-	ots (C3) Geomorphic Position (D2)
	at or Crust (B4)			of Reduced I			Shallow Aquitard (D3)
	posits (B5)			n Reduction			
	Soil Cracks (B6)			Stressed Pla) (LRR A	
	ion Visible on Aerial			lain in Rema	arks)		Frost-Heave Hummocks (D7)
	y Vegetated Conca	ve Surface (E	8)				
Field Obser							
Surface Wat			lo × Depth (inc				
Water Table			lo <u>x</u> Depth (inc				v
Saturation P		Yes N	lo <u>x</u> Depth (inc	:hes):		Wetla	and Hydrology Present? Yes No _X
	pillary fringe) ecorded Data (strear	m dauge mo	nitoring well, aerial p	hotos previ	ous insp	ections)	if available [.]
						,,	
Remarke:							
Remarks: Unlikelv t	to have wetla	nd hvdro	loav due to la	ndscape	e posi	tion.	
	to have wetla	nd hydro	logy due to la	Indscape	e posi	tion.	

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

Project/Site: <u>Jayne's Parcel</u>	City/County: El Pa	so	_ Sampling Date: 2/1/22	
Applicant/Owner:		State: CO	_ Sampling Point: WT-A39-WT1	
Investigator(s): S. Clark	Section, Township	, Range: <u>S28 and 33, T12</u>	S, R65W	
Landform (hillslope, terrace, etc.): depression			Slope (%): 0	
Subregion (LRR): E	_ _{Lat:}	Long: -104°40'13.52	"W Datum: WGS84	
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slo	opes	NWI classif	cation: R4SBC	
Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes X	lo (If no, explain in	Remarks.)	
Are Vegetation, Soil, or Hydrologys	ignificantly disturbed?	Are "Normal Circumstances"	present? Yes X No	
Are Vegetation, Soil, or Hydrology n	aturally problematic?	If needed, explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS Attach aits man	bowing compling poi	at locations transact	important factures ato	

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland?	Yes X	No
Remarks:				

VEGETATION – Use scientific names of plants.

NA	Absolute		Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>NA</u>) 1)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2 3				Total Number of Dominant Species Across All Strata: <u>1</u> (B)
4		_= Total Co		Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				OBL species $\frac{100}{x 1} = \frac{100}{x 1}$
3				FACW species x 2 =
4				FAC species x 3 =
5				FACU species x 4 =
5'		= Total Co	over	UPL species x 5 =
Herb Stratum (Plot size: 5')	100	v	OBL	Column Totals: 100 (A) 100 (B)
1. Typha sp.		<u>×</u>		$(A) \xrightarrow{(A)} (B)$
2				Prevalence Index = $B/A = 1.00$
3				Hydrophytic Vegetation Indicators:
4				<u>×</u> 1 - Rapid Test for Hydrophytic Vegetation
5				× 2 - Dominance Test is >50%
6				x 3 - Prevalence Index is $\leq 3.0^1$
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation ¹ (Explain)
11				¹ Indicators of hydric soil and wetland hydrology must
	100	= Total Co	ver	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA)				
1				Hydrophytic
2				Vegetation
% Bare Ground in Herb Stratum 0		= Total Co		Present? Yes X No
Remarks [.]				1

Based on the time of year, species identifications were made based on remnant foliage and position on the landscape.

SOIL

Sampling Point: WT-A39-WT1

Depth	Matri			edox Featur						_		
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure	<u></u>	Remark	KS	
0-1	10YR 2/1	100					Duff la	yer	Organi	CS		
-8	10 YR 3/1	60	7.5 YR 4/6	5	С	PL	Fine sandy	clay lo	am			
			10 YR 4/1	35	RM	Μ						
						·						
	<u> </u>					·						
	_											
	_					·						
								2.				
			M=Reduced Matrix			ed Sand				=Pore Lining blematic Hy		
					iteu.)					-	yune soi	15.
_ Histoso	()		Sandy Redo Stripped Ma	• •					Muck (A1	iu) aterial (TF2)		
	Epipedon (A2) Histic (A3)		Loamy Muc	• •			1) —			Dark Surface		
_	en Sulfide (A4)		Loamy Gley				•)	-		in Remarks		
	ed Below Dark Sur	face (A11)	Depleted Ma		2)			_ 0110		In Remarks	·)	
	Dark Surface (A12)	• •	x Redox Dark	· · ·	3)		³ Ir	idicator	s of hydro	phytic vege	tation an	d
_	Mucky Mineral (S1		Depleted Da							gy must be		-
-	Gleyed Matrix (S4		Redox Depr						•	d or problem	•	
	Layer (if present		·		,							
Type: Fr	rozen											
	nches): <u>8</u>						Hydri	c Soil	Present?	Yes X	No	
emarks:												
emarks: /DROLC		rs:										
emarks: /DROLC /etland Hy	DGY ydrology Indicato		red; check all that a	ipply)				Secon	dary Indic	ators (2 or n	nore requ	<u>uired)</u>
émarks: DROLC etland Hy	DGY ydrology Indicato			ipply) Stained Lea	ves (B9) (0	except				ators (2 or n ed Leaves (
emarks: DROLC fetland Hy <u>imary Indi</u> _ Surface	DGY ydrology Indicato		Water-		. , .	əxcept				ed Leaves (
DROLC etland Hy imary Indi _ Surface _ High W	DGY ydrology Indicato icators (minimum e Water (A1)			Stained Lea	. , .	except		W	ater-Stain 4A, and	ed Leaves (B9) (MLF	
DROLC etland Hy imary Indi _ Surface _ High W _ Saturat	DGY ydrology Indicato icators (minimum e Water (A1) Vater Table (A2)		Water- ML Salt Cr	Stained Lea RA 1, 2, 4A, ust (B11)	and 4B)	except		W	ater-Stain 4A, and ainage Pa	ed Leaves (4B) atterns (B10	B9) (MLF)	
DROLC etland Hy <u>imary Ind</u> _ Surface _ High W _ Saturat _ Water N	DGY ydrology Indicato icators (minimum e Water (A1) /ater Table (A2) ion (A3) Marks (B1)		Water- MLI Salt Cr Aquatio	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat	and 4B) tes (B13)	except		W Dr Dr	ater-Stain 4A, and ainage Pa y-Season	ed Leaves (4B)	B9) (MLF) e (C2)	RA 1, 2
DROLC etland Hy <u>imary Indi</u> Surface High W Saturat Water M Sedime	DGY ydrology Indicato icators (minimum e Water (A1) Vater Table (A2) ion (A3) Warks (B1) ent Deposits (B2)		Water- MLI Salt Cr Aquatio Hydrog	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (and 4B) tes (B13) Odor (C1)	·		W Dr Sa	ater-Stain 4A, and ainage Pa y-Season	ed Leaves (4B) atterns (B10 Water Tabl ⁄isible on Ae	B9) (MLF) e (C2) erial Imag	RA 1, 2
DROLC etland Hy imary Indi Surface High W Saturat Water M Sedime Drift De	DGY ydrology Indicator icators (minimum Water (A1) ydrer Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3)		Water- MLI Salt Cr Aquatio Hydrog Oxidize	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide C ed Rhizosph	and 4B) tes (B13) Odor (C1) eres along	Living R	oots (C3)	W Dr Sa Sa Ge	ater-Stain 4A, and ainage Pa y-Season ituration V comorphic	ed Leaves (4B) atterns (B10 Water Tabl /isible on Ae Position (D	B9) (MLF) e (C2) erial Imag	RA 1, 2
DROLC etland Hy imary Indi Surface High W Saturat Water N Sedime Drift De Algal M	DGY ydrology Indicato icators (minimum e Water (A1) /ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4)		Water- MLI Salt Cr Aquation Hydroog Oxidize Preser	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ice of Reduc	and 4B) tes (B13) Odor (C1) eres along ced Iron (C	ı Living R 4)	oots (C3)	W Dr Sa St	ater-Stain 4A, and ainage Pa y-Season turation V comorphic allow Aqu	ed Leaves (4 B) atterns (B10 Water Tabl /isible on Ae Position (D uitard (D3)	B9) (MLF) e (C2) erial Imag	RA 1, 2
DROLC TOROLC etland Hy <u>imary Indi</u> Surface High W Saturat Saturat Saturat Sedime Drift De Algal M Iron De	DGY ydrology Indicato icators (minimum e Water (A1) /ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5)		Water- MLI Salt Cr Aquatio Hydrog X Oxidize Preser Recent	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ice of Reduc t Iron Reduc	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille	Living R 4) ed Soils ((oots (C3) C6)	W Dr Sa St St F/	ater-Stain 4A, and ainage Pa y-Season turation V comorphic allow Aqu AC-Neutra	ed Leaves (4 B) atterns (B10 Water Tabl /isible on Ae Position (D iitard (D3) I Test (D5)	B9) (MLF) e (C2) erial Imag 92)	RA 1, 2
DROLC Etland Hy imary Ind Surface High W Saturat Water N Sedime Drift De Algal M Iron De Surface	DGY ydrology Indicato icators (minimum e Water (A1) /ater Table (A2) icion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6)	of one requi	Water- MLI Salt Cr Aquation Hydroop Oxidized Preser Recent Stunted	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ace of Reduc t Iron Reduc d or Stresse	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E	Living R 4) ed Soils ((oots (C3) C6)	W Dr Sa Sr Sr Ra	ater-Stain 4A, and ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant	ed Leaves (4B) atterns (B10 Water Tabl /isible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6	B9) (MLF) e (C2) erial Imag)2) 6) (LRR A	RA 1, 2
DROLC DEVENTION	DGY ydrology Indicato icators (minimum e Water (A1) dater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer	of one requi	Water- MLI Salt Cr Aquation Hydrogo Hydrogo Preser Recent Stunter (B7) Other (Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ice of Reduc t Iron Reduc	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E	Living R 4) ed Soils ((oots (C3) C6)	W Dr Sa Sr Sr Ra	ater-Stain 4A, and ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant	ed Leaves (4 B) atterns (B10 Water Tabl /isible on Ae Position (D iitard (D3) I Test (D5)	B9) (MLF) e (C2) erial Imag)2) 6) (LRR A	RA 1, 2
Comparison of the second	DGY ydrology Indicato icators (minimum e Water (A1) yater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer ly Vegetated Conc	of one requi	Water- MLI Salt Cr Aquation Hydrogo Hydrogo Preser Recent Stunter (B7) Other (Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ace of Reduc t Iron Reduc d or Stresse	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E	Living R 4) ed Soils ((oots (C3) C6)	W Dr Sa Sr Sr Ra	ater-Stain 4A, and ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant	ed Leaves (4B) atterns (B10 Water Tabl /isible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6	B9) (MLF) e (C2) erial Imag)2) 6) (LRR A	RA 1, 2
DROLC etland Hy imary Indi _ Surface _ High W _ Saturat _ Water N _ Sedime _ Drift De _ Drift De _ Algal M _ Iron De _ Surface _ Inundat _ Sparsel eld Obse	DGY ydrology Indicato icators (minimum e Water (A1) /ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer ly Vegetated Conc rvations:	of one requi al Imagery ave Surface	Water- MLI Salt Cr Aquatie Hydrog X Oxidize Preser Recent Stunte (B7) Other (B8)	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide C ed Rhizosph ice of Reduc t Iron Reduc d or Stresse Explain in R	and 4B) Detes (B13) Deters along ced Iron (C tion in Tille d Plants (E Remarks)	Living R 4) ed Soils ((D1) (LRR	oots (C3) C6)	W Dr Sa Sr Sr Ra	ater-Stain 4A, and ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant	ed Leaves (4B) atterns (B10 Water Tabl /isible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6	B9) (MLF) e (C2) erial Imag)2) 6) (LRR A	RA 1, 2
DROLC etland Hy imary Indi Surface High W Saturat Vater N Sedime Drift De Algal M Iron De Surface Inundat Sparse eld Obse	DGY ydrology Indicato icators (minimum e Water (A1) fater Table (A2) icion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer ly Vegetated Conc rvations: atter Present?	of one requi al Imagery ave Surface Yes	Water MLI Salt Cr Aquation Hydroog Preser Recent Stunter (B7) Other (e (B8)	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ice of Reduc t Iron Reduc d or Stresse Explain in R (inches):	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E cemarks)	Living R 4) ed Soils ((D1) (LRR	oots (C3) C6)	W Dr Sa Sr Sr Ra	ater-Stain 4A, and ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant	ed Leaves (4B) atterns (B10 Water Tabl /isible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6	B9) (MLF) e (C2) erial Imag)2) 6) (LRR A	RA 1, 2
Comparison of the second	DGY ydrology Indicator icators (minimum) e Water (A1) ydater Table (A2) ion (A3) Warks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer ly Vegetated Conc rvations: ter Present? e Present?	of one requi	Water MLI Salt Cr Aquation Hydrog Oxidized Preser Recent Stunted (B7) Other (e (B8)	Stained Lea Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat jen Sulfide C ed Rhizosph ice of Reduc d ron Reduc d or Stresse Explain in R (inches): (inches):	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E Remarks)	Living R 4) 2d Soils ((01) (LRR	oots (C3) C6) A)	W Dr Sa St St Fr Fr	ater-Stain 4A, and ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves (4B) atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) (MLF) e (C2) erial Imag 02) 6) (LRR A s (D7)	RA 1, 2 Jery (CS
Comparison of the second	DGY ydrology Indicato icators (minimum) e Water (A1) dater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer ly Vegetated Conc rvations: tter Present? e Present? Present?	of one requi	Water MLI Salt Cr Aquation Hydroog Preser Recent Stunter (B7) Other (e (B8)	Stained Lea Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat jen Sulfide C ed Rhizosph ice of Reduc d ron Reduc d or Stresse Explain in R (inches): (inches):	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E Remarks)	Living R 4) 2d Soils ((01) (LRR	oots (C3) C6) A)	W Dr Sa St St Fr Fr	ater-Stain 4A, and ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves (4B) atterns (B10 Water Tabl /isible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6	B9) (MLF) e (C2) erial Imag 02) 6) (LRR A s (D7)	RA 1, 2
emarks: (DROLC /etland Hy rimary Indi Surface High W Saturat Saturat Sedime Nater N Iron De Iron De 	DGY ydrology Indicato icators (minimum e Water (A1) dater Table (A2) icion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer ly Vegetated Conc rvations: tter Present? e Present? Present? apillary fringe)	of one requi	Water MLI Salt Cr Aquation Hydrog Oxidized Preser Recent Stunted (B7) Other (e (B8)	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ice of Reduc d ron Reduc d or Stresse Explain in R (inches):	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E temarks)	Living R 4) ed Soils ((01) (LRR	oots (C3) C6) A) etland Hyd	W Dr Sa St St Ra Fr Fr	ater-Stain 4A, and ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves (4B) atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) (MLF) e (C2) erial Imag 02) 6) (LRR A s (D7)	RA 1, 2
emarks: (DROLC /etland Hy rimary Indi Surface High W Saturat Saturat Sedime Nater N Iron De Iron De 	DGY ydrology Indicato icators (minimum e Water (A1) dater Table (A2) icion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer ly Vegetated Conc rvations: tter Present? e Present? Present? apillary fringe)	of one requi	WaterMLI Salt Cr Aquatio Hydrog Preser Recent Stunter (B7) Other (e (B8) No Depth No Depth No Depth	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ice of Reduc d ron Reduc d or Stresse Explain in R (inches):	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E temarks)	Living R 4) ed Soils ((01) (LRR	oots (C3) C6) A) etland Hyd	W Dr Sa St St Ra Fr Fr	ater-Stain 4A, and ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves (4B) atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) (MLF) e (C2) erial Imag 02) 6) (LRR A s (D7)	RA 1, 2
emarks: (DROLC /etland Hy rimary Indi Surface High W Saturat Saturat Sedime Nater N Iron De Iron De 	DGY ydrology Indicato icators (minimum e Water (A1) dater Table (A2) ition (A3) Marks (B1) ent Deposits (B2) eposits (B3) dat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer ly Vegetated Conc rvations: tter Present? e Present? Present? apillary fringe)	of one requi	WaterMLI Salt Cr Aquatio Hydrog Preser Recent Stunter (B7) Other (e (B8) No Depth No Depth No Depth	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ice of Reduc d ron Reduc d or Stresse Explain in R (inches):	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E temarks)	Living R 4) ed Soils ((01) (LRR	oots (C3) C6) A) etland Hyd	W Dr Sa St St Ra Fr Fr	ater-Stain 4A, and ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves (4B) atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) (MLF) e (C2) erial Imag 02) 6) (LRR A s (D7)	RA 1, 2 Jery (CS
emarks: (DROLC) /etland Hy rimary Indi Surface High W Saturat Nater N Sedime Nater N Nater N Iron De Surface Inundat Sparse ield Obse urface Wa /ater Table aturation F ncludes ca escribe Re	DGY ydrology Indicato icators (minimum e Water (A1) dater Table (A2) ition (A3) Marks (B1) ent Deposits (B2) eposits (B3) dat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer ly Vegetated Conc rvations: tter Present? e Present? Present? apillary fringe)	of one requi	WaterMLI Salt Cr Aquatio Hydrog Preser Recent Stunter (B7) Other (e (B8) No Depth No Depth No Depth	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ice of Reduc d ron Reduc d or Stresse Explain in R (inches):	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E temarks)	Living R 4) ed Soils ((01) (LRR	oots (C3) C6) A) etland Hyd	W Dr Sa St St Ra Fr Fr	ater-Stain 4A, and ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves (4B) atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) (MLF) e (C2) erial Imag 02) 6) (LRR A s (D7)	RA 1, 2 Jery (CS
Comparison of the second	DGY ydrology Indicato icators (minimum e Water (A1) dater Table (A2) ition (A3) Marks (B1) ent Deposits (B2) eposits (B3) dat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aer ly Vegetated Conc rvations: tter Present? e Present? Present? apillary fringe)	of one requi	WaterMLI Salt Cr Aquatio Hydrog Preser Recent Stunter (B7) Other (e (B8) No Depth No Depth No Depth	Stained Lea RA 1, 2, 4A, ust (B11) c Invertebrat gen Sulfide (ed Rhizosph ice of Reduc d ron Reduc d or Stresse Explain in R (inches):	and 4B) des (B13) Ddor (C1) eres along ced Iron (C tion in Tille d Plants (E temarks)	Living R 4) ed Soils ((01) (LRR	oots (C3) C6) A) etland Hyd	W Dr Sa St St Ra Fr Fr	ater-Stain 4A, and ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves (4B) atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) (MLF) e (C2) erial Imag 02) 6) (LRR A s (D7)	RA 1, 2

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

Project/Site: Jayne's Parcel	City/County: El Pa	aso	Sampling Date: 2/1/22
Applicant/Owner:		State: CO	Sampling Point: WT-A39-WT2
Investigator(s): S. Clark	Section, Township	o, Range: <u>S28 and 33, T12S</u> ,	R65W
Landform (hillslope, terrace, etc.): hillslope		ave, convex, none): <u>concave</u>	_
Subregion (LRR): E La	_{t:} <u>38°58'18.72"N</u>	Long: - 104°40'15.51"	W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slopes		NWI classific	ation: R5UBH
Are climatic / hydrologic conditions on the site typical for this time	of year? Yes X	No (If no, explain in Re	emarks.)
Are Vegetation, Soil, or Hydrology signific	cantly disturbed?	Are "Normal Circumstances" p	resent? Yes X No
Are Vegetation, Soil, or Hydrology natura	Ily problematic?	(If needed, explain any answer	s in Remarks.)
			incurrent for a truncation

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland?	Yes X	No
Remarks:				

VEGETATION – Use scientific names of plants.

ΝΔ	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: NA)	<u>% Cover</u>	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				
				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				Percent of Dominant Species
NA		= Total Co	ver	That Are OBL, FACW, or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size: NA)				Prevalence Index worksheet:
1				
2				Total % Cover of: Multiply by:
				OBL species $0 x ext{ 1} = 0$
3				FACW species 90 $x_2 = 180$
4				FAC species $2 x 3 = 6$
5				
		= Total Co	ver	FACU species 18 x 4 = 72
Herb Stratum (Plot size: 5')				UPL species x 5 =
Juncus arcticus	90	х	FACW	Column Totals: 110 (A) 258 (B)
2. Bromus inermis	8		FACU	0.05
3. Cirsium arvense	2		FAC	Prevalence Index = B/A = 2.35
				Hydrophytic Vegetation Indicators:
4. Pascopyrum smithii	10		FACU	<u>x</u> 1 - Rapid Test for Hydrophytic Vegetation
5				× 2 - Dominance Test is >50%
6				x 3 - Prevalence Index is $\leq 3.0^{1}$
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
9				Problematic Hydrophytic Vegetation ¹ (Explain)
10				
11				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	110	= Total Co	ver	be present, unless disturbed of problematic.
Woody Vine Stratum (Plot size: NA)		_		
1				Hydrophytic
2				Vegetation
<u> </u>				Present? Yes X No
% Bare Ground in Herb Stratum 0		= Total Co	ver	
Remarks:				

Based on the time of year, species identifications were made based on remnant foliage and position on the landscape.

SOIL

Sampling Point: WT-A39-WT2

Depth (inchos)	Matrix	%	Red			Loc ²	- T4			Domonius	
(inches) 0-3	Color (moist) 10YR 2/1	<u>%</u>	Color (moist)	%	Type ¹					Remarks	
						-	Fine sand				
3-8	10 YR 2/1	_ <u>98</u>	7.5 YR 4/6	2	<u> </u>	PL F	ine sand	clay loan	ו		
vpe: C=Co	oncentration. D=De	pletion. RN	/=Reduced Matrix, C	S=Covere	ed or Coate	ed Sand (- Grains.	² Locatio	on: PL=F	ore Lining, N	1=Matrix.
			I LRRs, unless othe							ematic Hydr	
Histosol	(A1)		Sandy Redox	(S5)				_ 2 cm M	uck (A10)	
	pipedon (A2)		Stripped Matri							, erial (TF2)	
Black Hi	stic (A3)		Loamy Mucky	Mineral (F	F1) (excep	t MLRA 1) _	_ Very Sh	nallow Da	rk Surface (1	F12)
	n Sulfide (A4)		Loamy Gleyed	•	2)			_ Other (I	Explain in	Remarks)	
	Below Dark Surfa	ice (A11)	Depleted Matr				\$				
_	ark Surface (A12)		× Redox Dark S				³ lı		• •	hytic vegetat	
	lucky Mineral (S1)		Depleted Dark							/ must be pre or problemati	
	Bleyed Matrix (S4) Layer (if present):		Redox Depres	SIONS (FO)			uniess a	surbed	or problemati	<i>i</i> .
Type: Fro											
Depth (ind							المراجع المراجع			Yes X	Na
emarks:	(nes). <u>-</u>						nyur	c Soil Pre	sent	res	No
DROLO											
/DROLO	drology Indicators										
DROLO Vetland Hyo	drology Indicators cators (minimum of		ed; check all that app					Seconda		ors (2 or mor	
DROLO Tetland Hyd mary Indic	drology Indicators cators (minimum of Water (A1)		Water-Sta	ained Lea	ves (B9) (¢	except		Seconda	er-Stained	l Leaves (B9	
DROLO etland Hyd <u>imary Indic</u> _ Surface _ High Wa	drology Indicators cators (minimum of Water (A1) tter Table (A2)		Water-Sta MLRA	ained Lea 1, 2, 4A ,	. , .	except		Seconda Wate	er-Stained A, and 4E	l Leaves (B9 3)	
DROLO etland Hyd imary Indic Surface High Wa Saturatic	drology Indicators cators (minimum of Water (A1) tter Table (A2) on (A3)		Water-Sta MLRA Salt Crus	ained Lea A 1, 2, 4A , t (B11)	and 4B)	except		Seconda Wate Drair	er-Stainec A, and 4E nage Patt	l Leaves (B9 3) erns (B10)) (MLRA 1, 2,
DROLO etland Hyd <u>imary Indic</u> Surface High Wa Saturatic Water M	drology Indicators cators (minimum of Water (A1) iter Table (A2) on (A3) arks (B1)		Water-St MLRA Salt Crus Aquatic I	ained Lea 1, 2, 4A, t (B11) nvertebrat	and 4B) tes (B13)	except		Seconda Wate 4/ Drair Dry-s	er-Stained A, and 4E nage Patt Season W	t Leaves (B9 3) erns (B10) Vater Table (⁰) (MLRA 1, 2 , C2)
DROLO etland Hyd imary Indic Surface High Wa Saturatic Water M Sedimer	drology Indicators cators (minimum of Water (A1) tter Table (A2) on (A3) arks (B1) nt Deposits (B2)		Water-Sta MLRA Salt Crus Aquatic In Hydroger	ained Lea 1, 2, 4A , t (B11) nvertebrat n Sulfide (and 4B) tes (B13) Odor (C1)	-		Seconda Wate 4, Drair Dry-S Satu	er-Stainec A, and 4E nage Patt Season W ration Vis	d Leaves (B9 3) erns (B10) Vater Table (¹ ible on Aeria) (MLRA 1, 2 , C2)
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APPENDIX B

Representative Photographs





Photo 1. Looking north at Palustrine Emergent (PEM) wetland.





Photo 2. Looking northeast at PEM wetland.





Photo 3. Looking south at PEM wetland.





Photo 4. Looking northeast at PEM wetland.





Photo 5. Looking southeast at a culvert under Vollmer Road.





Photo 6. Looking west at PEM wetland.





Photo 7. Looking southwest at PEM wetland.





Photo 8. Looking north at a pond vegetated with cattails.





Photo 9. Looking northwest at a human-made berm.





Photo 10. Looking northwest at a wetland pond just upgradient of the human-made berm.





Photo 11. Looking northwest at a PEM wetland.





Photo 12. Looking west at a PEM wetland pocket.





Photo 13. Looking northeast at a PEM wetland pocket.





Photo 14. Looking south at a PEM wetland pocket.