# 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

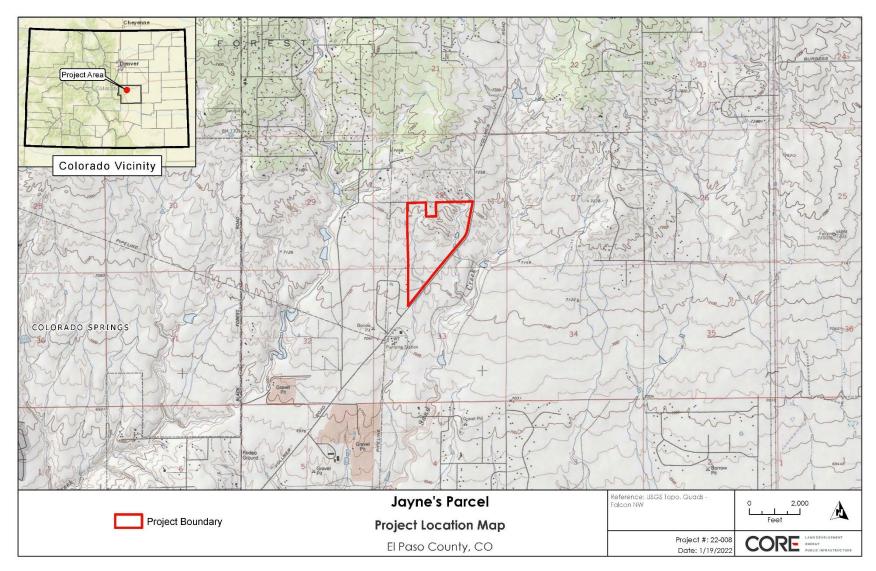


Figure 3.1 Project Location Map

## 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).



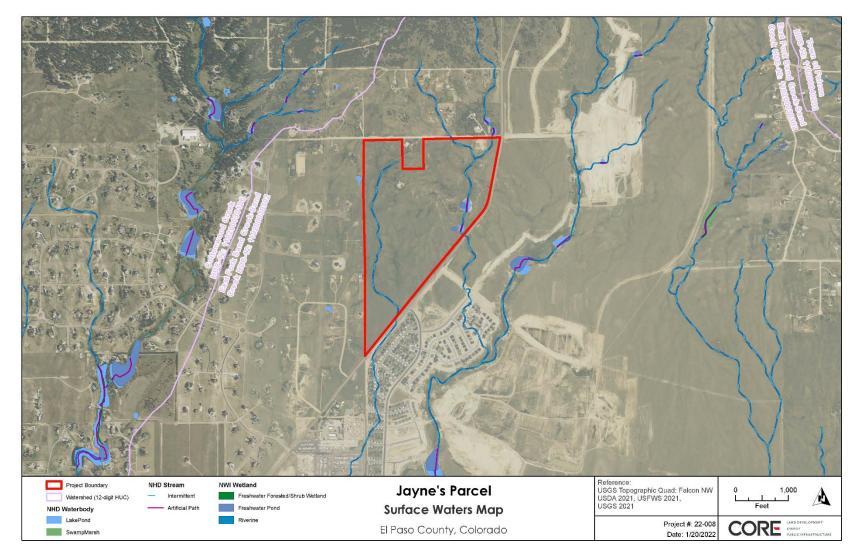


Figure 4.1 Surface Waters Map



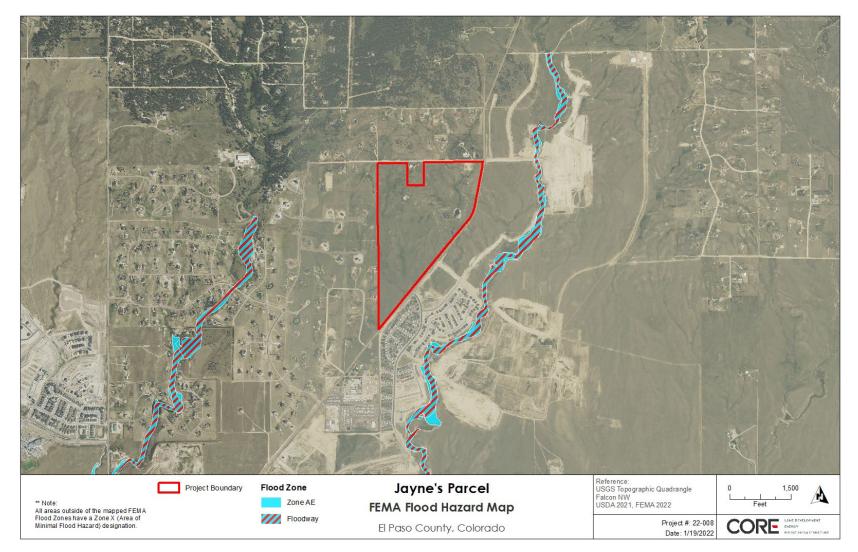


Figure 4.2 FEMA Flood Hazard Map



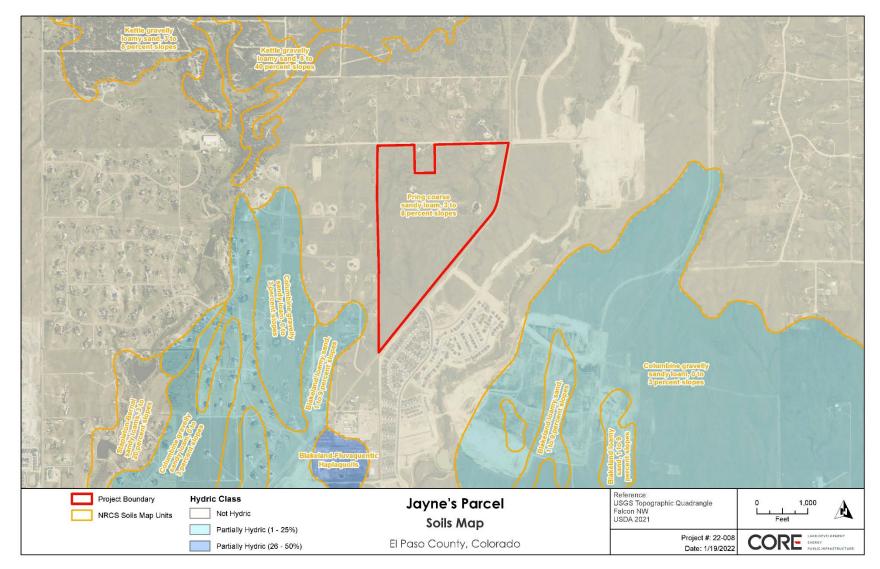


Figure 4.3 Soils Map



### 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 <sup>1</sup>	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 <sup>1</sup>	Musk thistle	UPL
Centaurea diffusa <sup>1</sup>	Diffuse knapweed	UPL

SCIENTIFIC NAME	COMMON NAME	WETLAND INDICATOR STATUS
Cirsium arvense <sup>1</sup>	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 <sup>1</sup>	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

<sup>1</sup>Colorado-listed Noxious Weed (Colorado Department of Agriculture 2022).

CORE

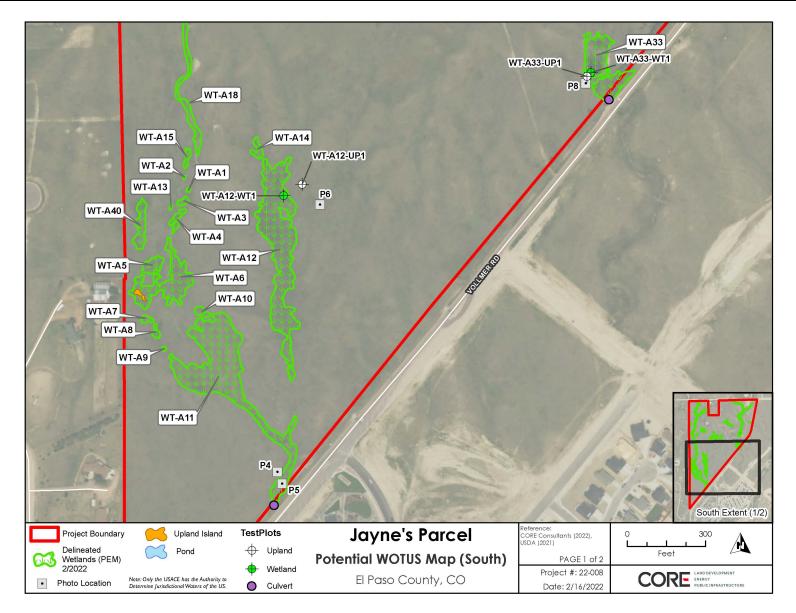


Figure 4.4 Potential WOTUS Location Map (South)

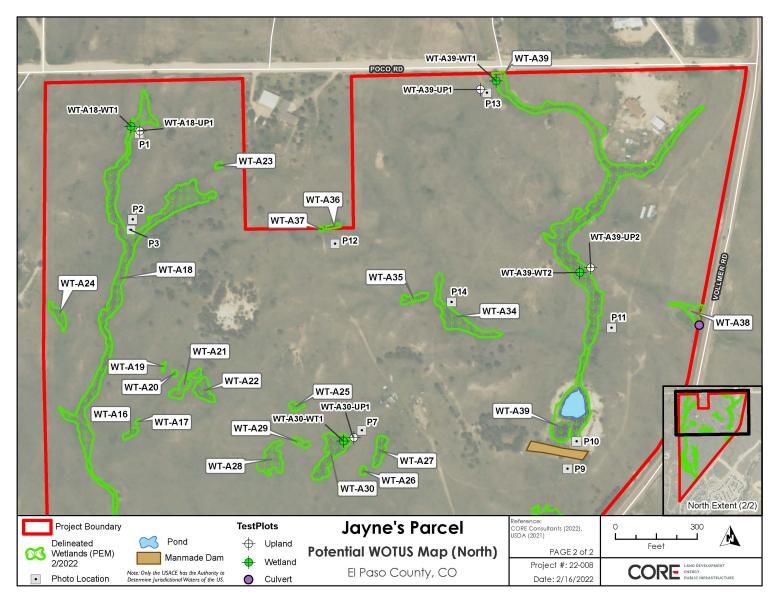


Figure 4.4 Potential WOTUS Location Map (North)



## 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	<sub>ite:</sub> 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	<sub>ng:</sub> - 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 = $120$
<b>5</b> '		= Total Co	ver	$\frac{1100 \text{ species}}{50} \times 5 = 250$
Herb Stratum (Plot size: 5')				
<sub>1.</sub> 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 <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> 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	<b>T</b> = - 4		Da	<i>(</i> 2)
(inches) Color 0-3 10YF	r (moist) 2 2/1	<u> </u>	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	Texture Sandy loc		Remark	5
	1 2/1						Sandy loa	m		
		· ·								
		· ·								
<u> </u>								2	<b>D</b> 1.1.1	
<sup>1</sup> 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	. ,			<sup>3</sup> 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):									
<sub>Type:</sub> <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) ( <b>e</b>			_ Water-Stai	ned Leaves (	<u>nore required)</u> B9) ( <b>MLRA 1, 2,</b>
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) ( <b>e</b>			Water-Stai 4A, and	ned Leaves ( <b>1 4B)</b>	B9) ( <b>MLRA 1, 2</b> ,
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 <b>1, 2, 4A,</b> a t (B11)	es (B9) (e and 4B)		<u>S</u>	_ Water-Stai <b>4A, and</b> _ Drainage F	ned Leaves ( <b>1 4B)</b> Patterns (B10)	B9) ( <b>MLRA 1, 2</b> ,
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 <b>MLRA</b> Salt Crus Aquatic In	l <u>y)</u> ained Leave <b>1, 2, 4A, a</b> t (B11) ivertebrate	es (B9) ( <b>e</b> and <b>4B)</b> s (B13)		<u>S</u>	Water-Stai <b>4A, and</b> Drainage F Dry-Seaso	ned Leaves ( <b>1 4B)</b> Patterns (B10) n Water Table	B9) ( <b>MLRA 1, 2,</b> ) 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) ( <b>e</b> and <b>4B)</b> s (B13) dor (C1)	xcept	<u>S</u>	Water-Stai 4A, and Drainage F Dry-Seaso Saturation	ned Leaves ( <b>1 4B)</b> Patterns (B10) n Water Table Visible on Ae	B9) ( <b>MLRA 1, 2,</b> ) 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 <b>1, 2, 4A, a</b> t (B11) nvertebrate a Sulfide Oo Rhizosphe	es (B9) ( <b>e</b> <b>ind 4B)</b> s (B13) dor (C1) res along	•xcept	<u>S</u>   	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph	ned Leaves ( <b>i 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D	B9) ( <b>MLRA 1, 2,</b> ) 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) ( <b>e</b> <b>ind 4B)</b> 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 ( <b>1 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3)	B9) ( <b>MLRA 1, 2,</b> ) 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 <b>1, 2, 4A, a</b> t (B11) nvertebrate a Sulfide Oo Rhizosphe o f Reduce on Reduction	es (B9) ( <b>e</b> <b>and 4B)</b> 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 ( <b>4 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5)	B9) ( <b>MLRA 1, 2,</b> ) 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) ( <b>e</b> and <b>4B)</b> 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 ( <b>1 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3)	B9) ( <b>MLRA 1, 2,</b> ) e (C2) vrial Imagery (C9 2) ) ( <b>LRR A</b> )
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) ( <b>e</b> and <b>4B)</b> 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 ( <b>1 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6	B9) ( <b>MLRA 1, 2,</b> ) e (C2) vrial Imagery (C9 2) ) ( <b>LRR A</b> )
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) ( <b>e</b> and <b>4B)</b> 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 ( <b>1 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6	B9) ( <b>MLRA 1, 2,</b> ) e (C2) vrial Imagery (C9 2) ) ( <b>LRR A</b> )
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 Vegetat Field Observations:	Indicators: inimum of o (1) (A2) (A2) (B2) (B2) (B4) (B4) (B4) (Concave (Concave)	ne required magery (B7	: check all that app Water-Sta Salt Crus Aquatic lu Hydroger Oxidized Presence Recent lr Stunted co ) Other (Example)	ly) ained Leave <b>1, 2, 4A, a</b> t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed splain in Re	es (B9) ( <b>e</b> <b>ind 4B)</b> s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	Except	<u>S</u>   	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An	ned Leaves ( <b>1 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6	B9) ( <b>MLRA 1, 2,</b> ) e (C2) vrial Imagery (C9 2) ) ( <b>LRR A</b> )
IYDROLOGY Wetland Hydrology I Primary Indicators (mi 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 Crac Inundation Visible Sparsely Vegetate Field Observations: Surface Water Preser	Indicators: inimum of o .1) (A2) (b) ts (B2) 3) ts (B4) i) is (B4) i) is (B6) e on Aerial I ed Concave at? Ye	ne required magery (B7 Surface (E es N	<u>; check all that app</u> Water-Sta MLRA Salt Crus Aquatic In Hydroger Oxidized Presence Recent In Stunted co 38) No X Depth (in	ly) ained Leavo <b>1, 2, 4A, a</b> t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed cplain in Re	es (B9) ( <b>e</b> and <b>4B</b> ) s (B13) dor (C1) res along ad Iron (C4 on in Tille Plants (D marks)	Except	<u>S</u>   	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An	ned Leaves ( <b>1 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6	B9) ( <b>MLRA 1, 2,</b> ) e (C2) vrial Imagery (C9 2) ) ( <b>LRR A</b> )
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) ( <b>e</b> <b>ind 4B)</b> 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 ( <b>J 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6 ve Hummocks	B9) ( <b>MLRA 1, 2,</b> ) e (C2) rial Imagery (C9 2) ) ( <b>LRR A</b> ) s (D7)
IYDROLOGY 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 <b>1, 2, 4A, a</b> t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed splain in Re aches): nches):	es (B9) ( <b>e</b> and <b>4B</b> ) 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 ( <b>1 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6	B9) ( <b>MLRA 1, 2,</b> ) e (C2) rial Imagery (C9 2) ) ( <b>LRR A</b> ) s (D7)
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 <b>1, 2, 4A, a</b> t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed splain in Re aches): nches):	es (B9) ( <b>e</b> and <b>4B</b> ) 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 ( <b>J 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6 ve Hummocks	B9) ( <b>MLRA 1, 2,</b> ) e (C2) rial Imagery (C9 2) ) ( <b>LRR A</b> ) 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 <b>1, 2, 4A, a</b> t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed splain in Re aches): nches):	es (B9) ( <b>e</b> and <b>4B</b> ) 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 ( <b>J 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6 ve Hummocks	B9) ( <b>MLRA 1, 2,</b> ) e (C2) rial Imagery (C9 2) ) ( <b>LRR A</b> ) 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 <b>1, 2, 4A, a</b> t (B11) nvertebrate a Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed splain in Re aches): nches):	es (B9) ( <b>e</b> and <b>4B</b> ) 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 ( <b>J 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6 ve Hummocks	B9) ( <b>MLRA 1, 2,</b> ) e (C2) rial Imagery (C9 2) ) ( <b>LRR A</b> ) s (D7)
HYDROLOGY         Wetland Hydrology I         Primary Indicators (minimatric)         Surface Water (A         High Water Table         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B3         Algal Mat or Crus         Iron Deposits (B5         Surface Soil Cract         Inundation Visible         Sparsely Vegetate         Field Observations:         Surface Water Present?         Saturation Present?         Saturation Present?         Saturation Present?	Indicators: inimum of o (1) (A2) (A2) (b) (B2) (B4) (B4) (C) (B4) (C) (C) (C) (C) (C) (C) (C) (C	ne required	<pre>; check all that app  Water-St: MLRA  Salt Crus  Aquatic In  Hydroger  Oxidized  Presence  Recent In  Stunted co ) Other (Ex 88) No Depth (in No Depth (in No Depth (in nitoring well, aerial</pre>	ly) ained Leave a <b>1</b> , <b>2</b> , <b>4A</b> , <i>a</i> t (B11) nvertebrate o Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed plain in Re nches): nches): photos, pre	es (B9) ( <b>e</b> <b>ind 4B)</b> s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks) evious ins	Living Roc 4) d Soils (C6 11) (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 ( <b>J 4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D quitard (D3) al Test (D5) t Mounds (D6 ve Hummocks	B9) ( <b>MLRA 1, 2,</b> ) e (C2) rial Imagery (C9 2) ) ( <b>LRR A</b> ) 5 (D7)

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	<sub>.at:</sub> 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 =
<sub>1.</sub> 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 <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8				5 - Wetland Non-Vascular Plants <sup>1</sup>
9				
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> 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 <sup>0</sup>		= Total Co	ver	
Remarks:				

## Sampling Point: WT-A12-WT1

Depth	Matrix	0/	Color /m	Redox	0/		Loc <sup>2</sup>	Tauto	-	Domos	ko
<u>inches)</u> 0-2	Color (moist) 10YR 2/1	<u>%</u> 100	Color (m	OIST)	%	Type <sup>1</sup>	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 <sup>3</sup> :
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 <b>DROLO</b>	nay be simila		-1 and m	neet th	ie F6 ł	nydric s	soil ind	icator.			
emarks: nis soil r <b>'DROLO(</b> letland Hyd	nay be simila GY					nydric s	soil ind		econdary Ir	ndicators (2 or 1	nore required)
emarks: nis soil r <b>DROLO(</b> 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: <b>DROLOG</b> 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 <b>MLRA 1</b>	) ned Leave	es (B9) (e			_ Water-S <sup>-</sup> 4 <b>A</b> , a	tained Leaves I <b>nd 4B)</b>	(B9) ( <b>MLRA 1, 2</b>
emarks: <b>DROLOG</b> <b>etland Hyd</b> <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 <b>MLRA 1</b> alt Crust (	.) ned Leavi I, <b>2, 4A, a</b> B11)	es (B9) (e: and 4B)		<u>S</u>	_ Water-S <b>4A, a</b> _ Drainage	tained Leaves I <b>nd 4B)</b> e Patterns (B10	(B9) ( <b>MLRA 1, 2</b> )
emarks: <b>DROLOO</b> 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 <b>MLRA 1</b> alt Crust ( quatic Inv	) ned Leave I, <b>2, 4A, a</b> B11) ertebrate	es (B9) (e: and 4B) s (B13)		<u>S</u>	_ Water-S <b>4A, a</b> _ Drainage _ Dry-Sea	tained Leaves I <b>nd 4B)</b> e Patterns (B10 son Water Tab	(B9) ( <b>MLRA 1, 2</b> ) e (C2)
emarks: <b>is soil r</b> <b>'DROLOO</b> <b>/etland Hyd</b> <u>rimary Indica</u> _ Surface N _ High Wat _ Saturatio _ Water Ma _ Sedimen	<b>GY</b> <b>Irology Indicators:</b> <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 <b>MLRA 1</b> alt Crust ( quatic Inv ydrogen S	) ned Leave , <b>2, 4A, a</b> 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 <b>nd 4B)</b> e Patterns (B10 son Water Tab on Visible on Ad	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (CS
emarks: <b>DROLOC</b> <b>'DROLOC</b> <b>'etland Hyd</b> <u>'imary Indica</u> Surface N High Wat Saturatio Water Ma Sedimen Drift Dep	<b>GY</b> <b>Irology Indicators:</b> <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 <b>MLRA 1</b> alt Crust ( quatic Inv ydrogen S xidized R	) ned Leave , <b>2, 4A, a</b> (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 <b>nd 4B)</b> e Patterns (B10 son Water Tab on Visible on Ac phic Position (I	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (CS
emarks: <b>DROLOO</b> <b>etland Hyd</b> <b>imary Indica</b> 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 <b>MLRA 1</b> alt Crust ( quatic Inv ydrogen S xidized R esence o	) ned Leave , <b>2, 4A, a</b> 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 <b>nd 4B)</b> e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3)	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (CS
emarks: <b>DROLOO</b> <b>TOROLOO</b> <b>Tetland Hyd</b> imary Indica Surface Na High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo	<b>GY</b> <b>Fology Indicators:</b> <b>ators (minimum of of</b> <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 <b>MLRA 1</b> alt Crust ( quatic Inv ydrogen S xidized R resence o ecent Iror	ned Leave J, <b>2, 4A, a</b> 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 <b>nd 4B)</b> e Patterns (B10 son Water Tab on Visible on Ar phic Position (E Aquitard (D3) utral Test (D5)	(B9) ( <b>MLRA 1, 2</b> )) le (C2) erial Imagery (C9 )2)
emarks: <b>is soil r</b> <b>'DROLOO</b> <b>'etland Hyd</b> <b>'mary Indica</b> _ 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 <b>nd 4B)</b> P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (C9 )2) 6) ( <b>LRR A</b> )
emarks: <b>is soil r</b> <b>DROLOO</b> <b>Vetland Hyd</b> <b>imary Indic:</b> 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 <b>MLRA 1</b> 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 <b>nd 4B)</b> e Patterns (B10 son Water Tab on Visible on Ar phic Position (E Aquitard (D3) utral Test (D5)	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (C9 )2) 6) ( <b>LRR A</b> )
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 <b>nd 4B)</b> P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (C9 )2) 6) ( <b>LRR A</b> )
emarks: <b>DROLOO</b> <b>etland Hyd</b> <b>imary Indica</b> Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio Sparsely <b>eld Observ</b>	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 <b>MLRA 1</b> alt Crust ( quatic Inv ydrogen S xidized R resence o ecent Iror unted or ther (Expl	) ned Leave ( <b>, 2, 4A, a</b> (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 <b>nd 4B)</b> P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (C9 )2) 6) ( <b>LRR A</b> )
emarks: <b>DROLOO</b> <b>TOROLOO</b> <b>Tetland Hyd</b> <b>imary Indica</b> Surface V High Wate Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio Sparsely <b>ield Observ</b>	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 <b>MLRA 1</b> alt Crust ( quatic Inv ydrogen S xidized R ydrogen S xidized R vesence o ecent Iror unted or ther (Expl	ned Leave (, <b>2, 4A, a</b> (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 <b>nd 4B)</b> P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (C9 )2) 6) ( <b>LRR A</b> )
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 <b>MLRA 1</b> alt Crust ( quatic Inv ydrogen S xidized R ydrogen S xidized R vesence o ecent Iror unted or ther (Expl	ned Leave (, <b>2, 4A, a</b> (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 <b>nd 4B)</b> P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (C9 )2) 6) ( <b>LRR A</b> )
emarks: <b>Dis Soil r</b> <b>(DROLOO)</b> <b>(etland Hyd</b> <b>(rimary Indic:</b> Surface N High Wat Saturatio Saturatio Vater Ma Sedimen Drift Dep Algal Mal Iron Depa Surface S Inundatio Sparsely <b>ield Observ</b> 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 <b>MLRA 1</b> alt Crust ( quatic Inv ydrogen S xidized R resence o ecent Iror unted or ther (Expl Depth (inc	) ned Leave (a, <b>2, 4A, a</b> (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 <b>nd 4B)</b> P Patterns (B10 son Water Tab on Visible on Ad phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6)	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (C9 02) 6) ( <b>LRR A</b> ) 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 <b>MLRA 1</b> 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 (, <b>2, 4A, a</b> (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 <b>ind 4B)</b> e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6 eave Hummock	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (C9 02) 6) ( <b>LRR A</b> ) 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 <b>MLRA 1</b> 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 (, <b>2, 4A, a</b> (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 <b>ind 4B)</b> e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6 eave Hummock	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (C9 02) 6) ( <b>LRR A</b> ) 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 <b>MLRA 1</b> 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 (, <b>2, 4A, a</b> (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 <b>ind 4B)</b> e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6 eave Hummock	(B9) ( <b>MLRA 1, 2</b> )) e (C2) erial Imagery (C9 02) 6) ( <b>LRR A</b> ) s (D7)
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 <b>MLRA 1</b> 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 (, <b>2, 4A, a</b> (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 <b>ind 4B)</b> e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6 eave Hummock	(B9) ( <b>MLRA 1, 2</b> , )) e (C2) erial Imagery (C9 )2) 6) ( <b>LRR A</b> ) s (D7)
emarks: <b>DiS SOII r</b> <b>/DROLOO</b> <b>/etland Hyd</b> <b>rimary Indica</b> Surface N High Water Saturatio Sedimen Drift Dep Algal Mate Surface S Iron Depo Surface S Inundatio Sparsely <b>ield Observ</b> 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 <b>MLRA 1</b> 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 (, <b>2, 4A, a</b> (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 <b>ind 4B)</b> e Patterns (B10 son Water Tab on Visible on Ar phic Position (I Aquitard (D3) utral Test (D5) Ant Mounds (D6 eave Hummock	(B9) ( <b>MLRA 1, 2</b> , )) e (C2) erial Imagery (C9 )2) 6) ( <b>LRR A</b> ) 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: <sup>5'</sup> )		= 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 <sup>1</sup> (Provide supportir	20
8. Sporobolus cryptandrus	5		FACU	data in Remarks or on a separate sheet)	iy
9				5 - Wetland Non-Vascular Plants <sup>1</sup>	
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
11				<sup>1</sup> 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 <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0-4	101R 2/1					Coar	se sandy Loam
·							
			Roduced Matrix CS	-Covered	or Coato		s. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
	oncentration, D=Dep Indicators: (Applic					u Sanu Grains	Indicators for Problematic Hydric Soils <sup>3</sup> :
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)			<sup>3</sup> 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) ( <b>e</b>	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) ( <b>LRR A</b> )	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	<sub>cation:</sub> 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				<ul> <li>X 1 - Rapid Test for Hydrophytic Vegetation</li> </ul>
5				× 2 - Dominance Test is >50%
6				x 3 - Prevalence Index is ≤3.0 <sup>1</sup>
7				<ul> <li>4 - Morphological Adaptations<sup>1</sup> (Provide supporting</li> </ul>
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> 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 <sup>1</sup>	Loc <sup>2</sup>	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>	
							·	
<sup>1</sup> Type: $C=C$	oncentration, D=Dep	letion RM	=Reduced Matrix CS	- S=Covere	d or Coate	ed Sand G	irains <sup>2</sup> l o	cation: PL=Pore Lining, M=Matrix.
	Indicators: (Applic						Indicato	brs for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Redox (		,			n Muck (A10)
	pipedon (A2)		Stripped Matrix					Parent Material (TF2)
	istic (A3)		Loamy Mucky M	· · ·	1) ( <b>excep</b>	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) ( <b>MLRA 1, 2</b> ,
	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-,	<b>J</b>	, ,				
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
<sup>d</sup> 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 <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> 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)		<sup>3</sup> 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
<sup>marks:</sup> 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 <b>4A, and 4</b>	d Leaves (E <b>B)</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 <b>4A, and 4</b> Drainage Pat	d Leaves (B <b>B)</b> terns (B10)	ore required) 39) ( <b>MLRA 1, 2</b>
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 <b>4A, and 4</b> Drainage Pat Dry-Season V	d Leaves (B <b>B)</b> terns (B10) Nater Table	<u>ore required)</u> 39) ( <b>MLRA 1, 2</b> (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 <b>4A, and 4</b> Drainage Pat Dry-Season V Saturation Vis	d Leaves (B <b>B)</b> terns (B10) Vater Table sible on Aer	ore required) 39) ( <b>MLRA 1, 2</b> (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	( <b>except</b> g Living Root:	tion. <u>Secc</u>	ondary Indica Water-Staine <b>4A, and 4</b> Drainage Pat Dry-Season V Saturation Vis Geomorphic I	d Leaves (B <b>B)</b> terns (B10) Water Table sible on Aer Position (D2	ore required) 39) ( <b>MLRA 1, 2</b> (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 (	( <b>except</b> g Living Root: C4)	tion. <u>Secc</u>  	ondary Indica Water-Staine <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (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) <b>MLRA 1, 2, 4A, and 4B)</b> — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alon — Presence of Reduced Iron ( — Recent Iron Reduction in Til	( <b>except</b> g Living Root: C4) led Soils (C6)	tion. <u>Secc</u>	ondary Indica Water-Staine <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (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)	( <b>except</b> g Living Root: C4) led Soils (C6)	tion. <u>Secc</u>	ondary Indica Water-Staine <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (C2) ial Imagery (C 2) ( <b>LRR A</b> )
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)	( <b>except</b> g Living Root: C4) led Soils (C6)	tion. <u>Secc</u>	ondary Indica Water-Staine <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (C2) ial Imagery (C3 2) ( <b>LRR A</b> )
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)	( <b>except</b> g Living Root: C4) led Soils (C6)	tion. <u>Secc</u>	ondary Indica Water-Staine <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (C2) ial Imagery (C3 2) ( <b>LRR A</b> )
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 <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (C2) ial Imagery (C3 2) ( <b>LRR A</b> )
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 <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (C2) ial Imagery (C3 2) ( <b>LRR A</b> )
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 <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (C2) ial Imagery (C3 2) ( <b>LRR A</b> ) (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 <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (C2) ial Imagery (C3 2) ( <b>LRR A</b> ) (D7)
marks: <b>DROLOG</b> <b>etiand Hyd</b> mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely <b>eld Observa</b> 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 <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (C2) ial Imagery (C 2) ( <b>LRR A</b> ) (D7)
marks: <b>DROLOG</b> <b>etland Hyd</b> mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely <b>eld Observa</b> 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 <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (C2) ial Imagery (C3 2) ( <b>LRR A</b> ) (D7)
marks: <b>DROLOG</b> <b>etiand Hyd</b> mary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely <b>eld Observa</b> 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 <b>4A, and 4</b> 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) ( <b>MLRA 1, 2</b> (C2) ial Imagery (C3 2) ( <b>LRR A</b> ) (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	<sub>cation:</sub> 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	<b>x</b> 3 - Prevalence Index is $\leq 3.0^{1}$	
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporti	na
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants <sup>1</sup>	
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
10			·	<sup>1</sup> 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 <sup>1</sup>	Loc <sup>2</sup> 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.)		<sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
_ 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	<sup>3</sup> 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 <sub>Type:</sub> 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) ( <b>LRR A</b> )	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 = $\frac{160}{100}$
<sub>1.</sub> <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 <sup>1</sup>
8. Artemisia frigida	- 2			4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
g. Elymus elymoides			FACU	5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> 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 <sup>1</sup>	Loc <sup>2</sup>	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. <sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
-							-
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				<sup>3</sup> 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:							·· <b>·</b> ,
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) ( <b>ex</b>	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) ( <b>LRR A</b> )	
	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	<b>x</b> 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	<sub>ge:</sub> <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 = $\frac{8}{2}$
<b>F</b> '		= 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				<b>x</b> 3 - Prevalence Index is $\leq 3.0^{1}$
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
				data in Remarks or on a separate sheet)
8				5 - Wetland Non-Vascular Plants <sup>1</sup>
9				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10			·	
11			·	<sup>1</sup> 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 <sup>1</sup>	Loc <sup>2</sup>	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 <sup>3</sup> :
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				<sup>3</sup> 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) ( <b>cy</b>	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) ( <b>LRR A</b> )
	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 $x_0 =$
<sub>1.</sub> 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 <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> 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	<b>-</b> .	<b>-</b> .
<u>(inches)</u> 0-3	Color (moist) 10YR 3/1	_ <u>%</u> - 100 -	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	
							Sandy loa	m
3-7	10 YR 4/2	100					Sand	
						·		
<sup>1</sup> Type: C=C	oncentration D=De	nletion RM=I	Reduced Matrix, CS	=Covered	or Coate		ins <sup>2</sup>	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
			RRs, unless other					cators for Problematic Hydric Soils <sup>3</sup> :
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)			<sup>3</sup> 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) ( <b>e</b> 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) ( <b>LRR A</b> )
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) ( <b>LRR A</b> )
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 <sup>.</sup> marks)	I Soils (C6) 1) ( <b>LRR A</b> )		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) ( <b>LRR A</b> )
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 <sup>.</sup> marks)	I Soils (C6) 1) ( <b>LRR A</b> )		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) ( <b>LRR A</b> ) _ 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 <sup>.</sup> narks)	I Soils (C6) I) ( <b>LRR A</b> )		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) ( <b>LRR A</b> )
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 <sup>.</sup> narks)	I Soils (C6) I) ( <b>LRR A</b> )   Wetlan		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) ( <b>LRR A</b> ) _ 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 <sup>.</sup> narks)	I Soils (C6) I) ( <b>LRR A</b> )   Wetlan		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) ( <b>LRR A</b> ) _ 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 <sup>.</sup> narks)	I Soils (C6) I) ( <b>LRR A</b> )   Wetlan		_ FAC-Neutral Test (D5) _ Raised Ant Mounds (D6) ( <b>LRR A</b> ) _ 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) ( <b>LRR A</b> ) _ 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) ( <b>LRR A</b> ) _ 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) ( <b>LRR A</b> ) _ 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	<sub>cation:</sub> 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	arally 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 $\frac{20}{x 4} = \frac{80}{x}$
<b>F</b> '		= 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 <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants <sup>1</sup>
9				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10				<sup>1</sup> 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 <sup>.</sup>				

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 <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0-6	10YR 2/1	100					Fine sandy loam
<sup>1</sup> 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 <sup>3</sup> :
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				<sup>3</sup> 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) ( <b>ex</b>	cept	Water-Stained Leaves (B9) (MLRA 1, 2,
High Wa	ater Table (A2)		MLRA <sup>·</sup>	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		) ( <b>LRR A</b>	
	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 <sup>.</sup>
						,,	
Remarke:							
Remarks: Unlikelv t	to have wetla	nd hvdro	loav due to la	ndscane	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	_ <sub>Lat:</sub>	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				<b>x</b> 3 - Prevalence Index is $\leq 3.0^1$
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> 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 <sup>.</sup>				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 <sup>1</sup>	Loc <sup>2</sup>	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)		<sup>3</sup> 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: <b>/DROLC</b>		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: <b>DROLC</b> <b>fetland Hy</b> <u>imary Indi</u> _ Surface	DGY ydrology Indicato		Water-		. , .	əxcept				ed Leaves (		
<b>DROLC</b> <b>etland Hy</b> imary Indi _ Surface _ High W	DGY ydrology Indicato icators (minimum e Water (A1)			Stained Lea	. , .	except		W	ater-Stain 4A, and	ed Leaves (	B9) ( <b>MLF</b>	
<b>DROLC</b> 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 <b>RA 1, 2, 4A,</b> ust (B11)	and 4B)	except		W	ater-Stain <b>4A, and</b> ainage Pa	ed Leaves ( <b>4B)</b> atterns (B10	B9) ( <b>MLF</b> )	
<b>DROLC</b> etland Hy imary Indi _ 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 <b>4A, and</b> ainage Pa y-Season	ed Leaves ( <b>4B)</b>	B9) ( <b>MLF</b> ) e (C2)	RA 1, 2
<b>DROLC</b> <b>etland Hy</b> <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 (	<b>and 4B)</b> tes (B13) Odor (C1)	·		W Dr Sa	ater-Stain <b>4A, and</b> ainage Pa y-Season	ed Leaves ( <b>4B)</b> atterns (B10 Water Tabl ⁄isible on Ae	B9) ( <b>MLF</b> ) e (C2) erial Imag	RA 1, 2
<b>DROLC</b> <b>timary Indi</b> Surface High W Saturat Water M Sedime Drift De	<b>DGY</b> ydrology Indicator icators (minimum Water (A1) ydater 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 <b>4A, and</b> ainage Pa y-Season ituration V comorphic	ed Leaves ( <b>4B)</b> atterns (B10 Water Tabl /isible on Ae Position (D	B9) ( <b>MLF</b> ) e (C2) erial Imag	RA 1, 2
<b>DROLC</b> <b>etland Hy</b> <b>imary Indi</b> 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>B)</b> atterns (B10 Water Tabl /isible on Ae Position (D uitard (D3)	B9) ( <b>MLF</b> ) e (C2) erial Imag	RA 1, 2
<b>DROLC</b> <b>TOROLC</b> <b>etland Hy</b> <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 <b>4A, and</b> ainage Pa y-Season turation V comorphic allow Aqu AC-Neutra	ed Leaves ( 4 <b>B)</b> atterns (B10 Water Tabl /isible on Ae Position (D iitard (D3) I Test (D5)	B9) ( <b>MLF</b> ) 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 <b>4A, and</b> 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) ( <b>MLF</b> ) e (C2) erial Imag )2) 6) ( <b>LRR A</b>	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 — Aquatio — Hydrog <u>×</u> Oxidize — 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 <b>4A, and</b> ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant	ed Leaves ( 4 <b>B)</b> atterns (B10 Water Tabl /isible on Ae Position (D iitard (D3) I Test (D5)	B9) ( <b>MLF</b> ) e (C2) erial Imag )2) 6) ( <b>LRR A</b>	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 — Aquatio — Hydrog <u>×</u> Oxidize — 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 <b>4A, and</b> 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) ( <b>MLF</b> ) e (C2) erial Imag )2) 6) ( <b>LRR A</b>	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) ( <b>LRR</b>	oots (C3) C6)	W Dr Sa Sr Sr Ra	ater-Stain <b>4A, and</b> 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) ( <b>MLF</b> ) e (C2) erial Imag )2) 6) ( <b>LRR A</b>	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) ( <b>LRR</b>	oots (C3) C6)	W Dr Sa Sr Sr Ra	ater-Stain <b>4A, and</b> 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) ( <b>MLF</b> ) e (C2) erial Imag )2) 6) ( <b>LRR A</b>	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 ( (B8) No X Depth No X Depth	Stained Lea 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 (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) ( <b>LRR</b>	oots (C3) C6) <b>A</b> )	W Dr Sa St St Fr Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves ( <b>4B)</b> atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLF</b> ) e (C2) erial Imag 02) 6) ( <b>LRR A</b> s (D7)	<b>RA 1, 2</b> 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 gen Sulfide C ed Rhizosph ice of Reduc t Iron 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) ( <b>LRR</b>	oots (C3) C6) <b>A</b> )	W Dr Sa St St Fr Fr	ater-Stain <b>4A, and</b> 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) ( <b>MLF</b> ) e (C2) erial Imag 02) 6) ( <b>LRR A</b> 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	Water MLI Salt Cr Aquation Hydrog Oxidized Preser Recent Stunted (B7) Other ( (B8) No X Depth No X 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) ( <b>LRR</b>	oots (C3) C6) A) etland Hyd	W Dr Sa St St Ra Fr Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves ( <b>4B)</b> atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLF</b> ) e (C2) erial Imag 02) 6) ( <b>LRR A</b> 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) ( <b>LRR</b>	oots (C3) C6) A) etland Hyd	W Dr Sa St St Ra Fr Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves ( <b>4B)</b> atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLF</b> ) e (C2) erial Imag 02) 6) ( <b>LRR A</b> 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) ( <b>LRR</b>	oots (C3) C6) A) etland Hyd	W Dr Sa St St Ra Fr Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves ( <b>4B)</b> atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLF</b> ) e (C2) erial Imag 02) 6) ( <b>LRR A</b> s (D7)	<b>RA 1, 2</b> 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) ( <b>LRR</b>	oots (C3) C6) A) etland Hyd	W Dr Sa St St Ra Fr Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves ( <b>4B)</b> atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLF</b> ) e (C2) erial Imag 02) 6) ( <b>LRR A</b> s (D7)	<b>RA 1, 2</b> 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) ( <b>LRR</b>	oots (C3) C6) A) etland Hyd	W Dr Sa St St Ra Fr Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season aturation V comorphic hallow Aqu AC-Neutra hised Ant ost-Heave	ed Leaves ( <b>4B)</b> atterns (B10 Water Tabl Visible on Ae Position (D iitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLF</b> ) e (C2) erial Imag 02) 6) ( <b>LRR A</b> 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	<sub>t:</sub> <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			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				<b>x</b> 3 - Prevalence Index is $\leq 3.0^{1}$
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants <sup>1</sup>
9				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10				
11				<sup>1</sup> 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 <sup>2</sup>	- T4			Domonius	
(inches) 0-3	Color (moist) 10YR 2/1	<u>%</u>	Color (moist)	%	Type <sup>1</sup>					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.	<sup>2</sup> 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) ( <b>excep</b>	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				<sup>3</sup> 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) ( <b>¢</b>	except		Seconda	er-Stained	l Leaves (B9	
<b>DROLO</b> <b>etland Hyd</b> <u>imary Indic</u> _ Surface _ High Wa	drology Indicators cators (minimum of Water (A1) tter Table (A2)		Water-Sta MLRA	ained Lea <b>1, 2, 4A</b> ,	. , .	except		Seconda Wate	er-Stained A, and 4E	l Leaves (B9 <b>3)</b>	
<b>DROLO</b> 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 <b>A 1, 2, 4A</b> , t (B11)	and 4B)	except		Seconda Wate Drair	er-Stainec <b>A, and 4E</b> nage Patt	l Leaves (B9 <b>3)</b> erns (B10)	) (MLRA 1, 2,
<b>DROLO</b> <b>etland Hyd</b> <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 <b>1, 2, 4A,</b> t (B11) nvertebrat	and 4B) tes (B13)	except		Seconda Wate 4/ Drair Dry-s	er-Stained <b>A, and 4E</b> nage Patt Season W	t Leaves (B9 <b>3)</b> erns (B10) Vater Table ( <sup>0</sup>	) ( <b>MLRA 1, 2</b> , C2)
<b>DROLO</b> 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 <b>1, 2, 4A</b> , t (B11) nvertebrat n Sulfide (	and 4B) tes (B13) Odor (C1)	-		Seconda Wate 4, Drair Dry-S Satu	er-Stainec <b>A, and 4E</b> nage Patt Season W ration Vis	d Leaves (B9 <b>3)</b> erns (B10) Vater Table ( <sup>1</sup> ible on Aeria	) ( <b>MLRA 1, 2</b> , C2)
<b>DROLO</b> <b>etland Hyd</b> <u>imary Indic</u> Surface High Wa Saturatic Water M Sedimer Drift Dep	drology Indicators cators (minimum of Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3)		Water-Sta MLRA Salt Crus Aquatic Ir Hydroger X Oxidized	ained Lea <b>1, 2, 4A,</b> t (B11) nvertebrat n Sulfide ( Rhizosph	and 4B) tes (B13) Odor (C1) teres along	Living Ro	pots (C3)	Seconda Wate Drair Dry-S Satu X Geor	er-Stainec <b>A, and 4E</b> nage Patt Season W ration Vis morphic F	l Leaves (B9 <b>3)</b> erns (B10) Vater Table ( <sup>1</sup> vible on Aeria Position (D2)	) ( <b>MLRA 1, 2</b> , C2)
<b>'DROLO</b> <b>Tetland Hyd</b> <u>imary Indic</u> Surface <u>High Wa</u> Saturatic Water M Sedimer Drift Dep Algal Ma	drology Indicators cators (minimum of Water (A1) tter Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4)		Water-Sta MLRA Salt Crus Aquatic Iu Hydroger X Oxidized Presence	ained Lea A 1, 2, 4A, t (B11) nvertebrat n Sulfide C Rhizosph e of Reduc	and 4B) tes (B13) Odor (C1) eres along ced Iron (C4	Living Ro		Seconda Wate J Drair Dry-S Satu X Geor Shall	er-Stainec A, and 4E hage Patt Season W ration Vis morphic F low Aquita	d Leaves (B9 <b>3)</b> erns (B10) Vater Table (f ible on Aeria Position (D2) ard (D3)	) ( <b>MLRA 1, 2</b> , C2)
<b>DROLO Tetland Hyd Tetland Hyd Surface</b> High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep	drology Indicators cators (minimum of Water (A1) tter Table (A2) on (A3) arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)		Water-Sta MLRA Salt Crus Aquatic In Hydroger X Oxidized Presence Recent Ir	ained Lea <b>1, 2, 4A,</b> t (B11) nvertebrat Sulfide ( Rhizosph of Reduct on Reduct	and 4B) tes (B13) Odor (C1) eres along ced Iron (C4 tion in Tille	Living Ro 4) d Soils (C	C6)	Seconda Wate Drair Dry-S Satu X Geor Shall X FAC	er-Stainec A, and 4E nage Patt Season W ration Vis morphic F low Aquita Neutral 1	d Leaves (B9 <b>3)</b> erns (B10) Vater Table (1 ible on Aeria Position (D2) ard (D3) Fest (D5)	) ( <b>MLRA 1, 2</b> , C2) I Imagery (C9
<b>DROLO detland Hyd detland Hyd detland Hyd surface High Wat Saturatio Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Surface</b>	drology Indicators eators (minimum of Water (A1) tter Table (A2) on (A3) arks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	one require	Water-Sta MLRA Salt Crus Aquatic In Hydroger X Oxidized Presence Recent Ir Stunted c	ained Lea <b>1, 2, 4A,</b> t (B11) nvertebrat n Sulfide C Rhizosph of Reduc on Reduc or Stresse	and 4B) des (B13) Ddor (C1) eres along ced Iron (C4 tion in Tille d Plants (D	Living Ro 4) d Soils (C	C6)	Seconda Wate J Drair Dry-S Satu X Geor Shall X FAC- Raise	er-Stainec A, and 4E hage Patt Season W ration Vis morphic F low Aquita Neutral T ed Ant Mo	d Leaves (B9 <b>3)</b> erns (B10) Vater Table (1 ible on Aeria Position (D2) ard (D3) Fest (D5) punds (D6) (I	) ( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>_RR A</b> )
<b>DROLO etland Hyd</b> <u>imary Indic</u> Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio	drology Indicators cators (minimum of Water (A1) ther Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeria	one require	Water-Sta MLRA Salt Crus Aquatic Ir Hydroger X Oxidized Presence Recent Ir Stunted c 37) Other (E)	ained Lea <b>1, 2, 4A,</b> t (B11) nvertebrat n Sulfide C Rhizosph of Reduc on Reduc or Stresse	and 4B) des (B13) Ddor (C1) eres along ced Iron (C4 tion in Tille d Plants (D	Living Ro 4) d Soils (C	C6)	Seconda Wate J Drair Dry-S Satu X Geor Shall X FAC- Raise	er-Stainec A, and 4E hage Patt Season W ration Vis morphic F low Aquita Neutral T ed Ant Mo	d Leaves (B9 <b>3)</b> erns (B10) Vater Table (1 ible on Aeria Position (D2) ard (D3) Fest (D5)	) ( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>_RR A</b> )
<b>DROLO</b> <b>etland Hyd</b> <u>imary Indic</u> Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatic Sparsely	drology Indicators cators (minimum of Water (A1) ther Table (A2) on (A3) arks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeria v Vegetated Conca	one require	Water-Sta MLRA Salt Crus Aquatic Ir Hydroger X Oxidized Presence Recent Ir Stunted c 37) Other (E)	ained Lea <b>1, 2, 4A,</b> t (B11) nvertebrat n Sulfide C Rhizosph of Reduc on Reduc or Stresse	and 4B) des (B13) Ddor (C1) eres along ced Iron (C4 tion in Tille d Plants (D	Living Ro 4) d Soils (C	C6)	Seconda Wate J Drair Dry-S Satu X Geor Shall X FAC- Raise	er-Stainec A, and 4E hage Patt Season W ration Vis morphic F low Aquita Neutral T ed Ant Mo	d Leaves (B9 <b>3)</b> erns (B10) Vater Table (1 ible on Aeria Position (D2) ard (D3) Fest (D5) punds (D6) (I	) ( <b>MLRA 1, 2,</b> C2) I Imagery (C9 <b>_RR A</b> )
DROLO etland Hyd _ Surface _ High Wa _ Saturatic _ Water M _ Sedimer _ Drift Dep _ Algal Ma _ Iron Dep _ Surface _ Inundatic _ Sparsely eld Obser	drology Indicators cators (minimum of Water (A1) tter Table (A2) on (A3) arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeria v Vegetated Conca vations:	one require I Imagery (I ve Surface	Water-Sta MLRA Salt Crus Aquatic Iu Hydroger X Oxidized Presence Recent Ir Stunted co 37) Other (Ex (B8)	ained Lea A 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph e of Reduc on Reduc or Reduc or Stresse cplain in R	and 4B) des (B13) Ddor (C1) eres along ced Iron (C- dtion in Tille d Plants (D Remarks)	Living Ro 4) d Soils (C 1) ( <b>LRR</b> )	C6)	Seconda Wate J Drair Dry-S Satu X Geor Shall X FAC- Raise	er-Stainec A, and 4E hage Patt Season W ration Vis morphic F low Aquita Neutral T ed Ant Mo	d Leaves (B9 <b>3)</b> erns (B10) Vater Table (1 ible on Aeria Position (D2) ard (D3) Fest (D5) punds (D6) (I	) ( <b>MLRA 1, 2,</b> C2) I Imagery (C9 <b>_RR A</b> )
PROLO     Additional definition of the second definition of the se	drology Indicators cators (minimum of Water (A1) tter Table (A2) on (A3) arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeria v Vegetated Conca vations: er Present?	one require I Imagery (I ve Surface Yes	Water-Sta MLRA Salt Crus Aquatic In Hydroger X Oxidized Presence Recent Ir Stunted co 37) Other (Ex (B8)	ained Lea <b>A 1, 2, 4A,</b> t (B11) nvertebrat a Sulfide ( Rhizosph e of Reduc on Reduc or Rtresse cplain in R nches):	and 4B) des (B13) Odor (C1) eres along ced Iron (C- tion in Tille d Plants (D Remarks)	Living Ro 4) d Soils (C 01) ( <b>LRR</b>	C6)	Seconda Wate J Drair Dry-S Satu X Geor Shall X FAC- Raise	er-Stainec A, and 4E hage Patt Season W ration Vis morphic F low Aquita Neutral T ed Ant Mo	d Leaves (B9 <b>3)</b> erns (B10) Vater Table (1 ible on Aeria Position (D2) ard (D3) Fest (D5) punds (D6) (I	) ( <b>MLRA 1, 2,</b> C2) I Imagery (C9 <b>_RR A</b> )
Algal Mag     Surface     High Wa     Saturatic     Water M     Sedimer     Drift Dep     Algal Ma     Iron Dep     Surface     Inundatic     Sparsely ield Observ urface Wate //ater Table //ater	drology Indicators cators (minimum of Water (A1) ther Table (A2) on (A3) arks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeria v Vegetated Conca vations: er Present? Present?	one require I Imagery (I ve Surface Yes Yes	Water-Sta MLRA Salt Crus Aquatic Ir Hydroger X Oxidized Presence Recent Ir Stunted co 37) Other (Ex (B8) No X Depth (in No X Depth (in	ained Lea <b>1, 2, 4A,</b> t (B11) nvertebrat n Sulfide ( Rhizosph of Reduct on Reduct or Stresse cplain in R nches):	and 4B) des (B13) Ddor (C1) eres along ced Iron (C- tion in Tille d Plants (D Remarks)	Living Ro 4) d Soils (C 1) ( <b>LRR</b>	26) <b>A</b> )	Seconda Wate 4/ Drair Dry-S Satu X Geor Shall X FAC- Raise Frost	er-Stainec A, and 4E hage Patt Season W ration Vis morphic F low Aquita Neutral T ed Ant Mo t-Heave F	d Leaves (B9 <b>3)</b> erns (B10) Vater Table (1 ible on Aeria Position (D2) ard (D3) Fest (D5) punds (D6) (I Hummocks (E	) ( <b>MLRA 1, 2,</b> C2) I Imagery (C9 <b>_RR A</b> ) 07)
IDROLO     Identification     Identification	drology Indicators cators (minimum of Water (A1) ther Table (A2) on (A3) arks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeria v Vegetated Conca vations: er Present? Present?	one require I Imagery (I ve Surface Yes Yes	Water-Sta MLRA Salt Crus Aquatic In Hydroger X Oxidized Presence Recent Ir Stunted co 37) Other (Ex (B8)	ained Lea <b>1, 2, 4A,</b> t (B11) nvertebrat n Sulfide ( Rhizosph of Reduct on Reduct or Stresse cplain in R nches):	and 4B) des (B13) Ddor (C1) eres along ced Iron (C- tion in Tille d Plants (D Remarks)	Living Ro 4) d Soils (C 1) ( <b>LRR</b>	26) <b>A</b> )	Seconda Wate 4/ Drair Dry-S Satu X Geor Shall X FAC- Raise	er-Stainec A, and 4E hage Patt Season W ration Vis morphic F low Aquita Neutral T ed Ant Mo t-Heave F	d Leaves (B9 <b>3)</b> erns (B10) Vater Table (1 ible on Aeria Position (D2) ard (D3) Fest (D5) punds (D6) (I Hummocks (E	) ( <b>MLRA 1, 2,</b> C2) I Imagery (C9 <b>_RR A</b> )
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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.



March 25, 2022

U.S. Army Corps of Engineers Albuquerque District-Pueblo Regulatory Office 201 West 8<sup>th</sup> Street, Suite 350 Pueblo, Colorado 81003-4209

#### RE: Request for Approved Jurisdictional Determination Jayne's Parcel Project El Paso County, Colorado

On behalf of Classic Communities, CORE Consultants, Inc. (CORE) has prepared this request for an Approved Jurisdictional Determination (AJD) in support of the proposed Jayne's Parcel Project (Project Area) in northern El Paso County, Colorado. The following documents are included with this request:

- Attachment I: Jurisdictional Determination Request Form
- Attachment II: Additional Photographs
- Attachment III: Photo Location Map
- Attachment IV: Wetland Delineation Report

#### General Information

- USACE File Number: N/A
- Project Name: Jayne's Parcel
- Applicant Contact Information:
  - Name: Loren Moreland
  - o Phone: 719-499-3125
  - o E-Mail: lorenm@classichomes.com
  - Consultant Contact Information:
    - o Name: Natalie Graves
    - o Phone: 720-520-3589
    - o E-Mail: ngraves@liveyourcore.com
- Latitude/Longitude for Project Access:
  - o 38.976682°, -104.668357°
- Name of watershed:
  - o Fountain HUC-8: 11020003
- Avg annual rainfall in the area (in/yr): 15.17 (NWS 2022)
- Avg annual snowfall in the area (in/yr): 39.1 (NWS 2022)
- Describe current land use at the site and around the site: The Survey Area (for the purposes
  of this report is synonymous with Project Area as project design has not been finalized) is
  mostly undeveloped grasslands with wetland pockets throughout, a pond, and a few
  residential structures. Existing and under-construction residential development surround
  the Project.

Resource Delineated Name	Resource Type	Latitude (°N)	Longitude (°W)	Flow Frequency	Flows to	Acreage within Survey Area	Linear Feet within Survey Area
WT-A1	Wetland	38.970661	-104.676433	N/A	WT-A3	0.004	N/A
WT-A2	Wetland	38.970803	-104.676475	N/A	Apparently isolated from downstream WOTUS	0.002	N/A
WT-A3	Wetland	38.970540	-104.676496	N/A	WT-A4	0.021	N/A
WT-A4	Wetland	38.970384	-104.676582	N/A	WT-A6	0.046	N/A
WT-A5	Wetland	38.969887	-104.676922	N/A	WT-A6	0.083	N/A
WT-A6	Wetland	38.969668	-104.676593	N/A	Apparently isolated from downstream WOTUS	0.493	N/A
WT-A7	Wetland	38.969305	-104.677008	N/A	WT-A8	0.022	N/A
WT-A8	Wetland	38.969152	-104.676868	N/A	Apparently isolated from downstream WOTUS	0.020	N/A
WT-A9	Wetland	38.968990	-104.676776	N/A	Apparently isolated from downstream WOTUS	0.005	N/A
WT-A10	Wetland	38.969381	-104.676267	N/A	WT-A11	0.036	N/A
WT-A11	Wetland	38.968659	-104.675937	N/A	Apparently isolated from downstream WOTUS	1.660	N/A
WT-A12	Wetland	38.970062	-104.675173	N/A	Apparently isolated from downstream WOTUS	1.410	N/A
WT-A13	Wetland	38.970486	-104.676669	N/A	Apparently isolated from downstream WOTUS	0.004	N/A
WT-A14	Wetland	38.971080	-104.675464	N/A	Apparently isolated	0.045	N/A
WT-A15	Wetland	38.971012	-104.676440	N/A	Apparently isolated from downstream WOTUS	0.027	N/A
WT-A16	Wetland	38.973065	-104.676223	N/A	Apparently isolated from downstream WOTUS	0.031	N/A
WT-A17	Wetland	38.973174	-104.676152	N/A	WT-A16	0.004	N/A
WT-A18	Wetland	38.973232	-104.676881	N/A	Apparently isolated from downstream WOTUS	1.670	N/A
WT-A19	Wetland	38.973737	-104.675815	N/A	Apparently isolated from downstream WOTUS	0.008	N/A

TABLE 1. AQUATIC FEATURES WITHIN THE SURVEY AREA

Resource Delineated Name	Resource Type	Latitude (°N)	Longitude (°W)	Flow Frequency	Flows to	Acreage within Survey Area	Linear Feet within Survey Area
WT-A20	Wetland	38.973655	-104.675665	N/A	Apparently isolated from downstream WOTUS	0.010	N/A
WT-A21	Wetland	38.973538	-104.675555	N/A	WT-A22	0.095	N/A
WT-A22	Wetland	38.973488	-104.675290	N/A	Apparently isolated from downstream WOTUS	0.094	N/A
WT-A23	Wetland	38.975754	-104.675073	N/A	Apparently isolated from downstream WOTUS	0.013	N/A
WT-A24	Wetland	38.974245	-104.677127	N/A	Apparently isolated from downstream WOTUS	0.068	N/A
WT-A25	Wetland	38.973315	-104.674113	N/A	Apparently isolated from downstream WOTUS	0.028	N/A
WT-A26	Wetland	38.972658	-104.673237	N/A	Apparently isolated from downstream WOTUS	0.014	N/A
WT-A27	Wetland	38.972880	-104.673013	N/A	Apparently isolated from downstream WOTUS	0.079	N/A
WT-A28	Wetland	38.972799	-104.674429	N/A	Apparently isolated from downstream WOTUS	0.159	N/A
WT-A29	Wetland	38.972942	-104.674035	N/A	Apparently isolated from downstream WOTUS	0.030	N/A
WT-A30	Wetland	38.972859	-104.673591	N/A	Apparently isolated from downstream WOTUS	0.229	N/A
WT-A33	Wetland	38.971870	-104.670868	N/A	Apparently isolated from downstream WOTUS	0.544	N/A
WT-A34	Wetland	38.974170	38.974170	N/A	Apparently isolated from downstream WOTUS	0.260	N/A
WT-A35	Wetland	38.974380	-104.672570	N/A	Apparently isolated from downstream WOTUS	0.055	N/A
WT-A36	Wetland	38.975112	-104.673611	N/A	WT-A37	0.016	N/A

Resource Delineated Name	Resource Type	Latitude (°N)	Longitude (°W)	Flow Frequency	Flows to	Acreage within Survey Area	Linear Feet within Survey Area
WT-A37	Wetland	38.975096	-104.673745	N/A	Apparently isolated from downstream WOTUS	0.006	N/A
WT-A38	Wetland	38.974225	-104.668939	N/A	Apparently isolated from downstream WOTUS	0.077	N/A
WT-A39	Wetland	38.974290	-104.670223	N/A	Apparently isolated from downstream WOTUS	2.005	N/A
WT-A40	Wetland	38.970287	-104.677075	N/A	Apparently isolated from downstream WOTUS	0.140	N/A
Pond	Pond	38.973292	-104.670502	N/A	Apparently isolated from downstream WOTUS	0.151	N/A

# Additional information for Aquatic Features

#### WT-A1

Wetland WT-A1 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature; however, it is upgradient of and may be connected to WT-A3 via brief surface flow events from snow melt and/or precipitation events. WT-A1 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A1 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A2

Wetland WT-A2 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A2 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A2 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A3

Wetland WT-A3 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature; however, it is upgradient of and may be connected to WT-A4 via brief surface flow events from snow melt and/or precipitation events. WT-A3 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A3 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A4

Wetland WT-A4 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature; however, it is upgradient of and may be connected to WT-

A6 via brief surface flow events from snow melt and/or precipitation events. WT-A4 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A4 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A5

Wetland WT-A5 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature; however, it is upgradient of and may be connected to WT-A6 via brief surface flow events from snow melt and/or precipitation events due to its proximity to WT-A6. WT-A5 boundaries are entirely within the Survey Area with no apparent connection to any aquatic features offsite. WT-A5 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A6

Wetland WT-A6 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A6 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A6 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A7

Wetland WT-A7 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature; however, it is upgradient of and may be connected to WT-A8 via brief surface flow events from snow melt and/or precipitation events due to its proximity to WT-A8. WT-A7 boundaries, are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A7 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A8

Wetland WT-A8 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A8 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A8 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A9

Wetland WT-A9 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A9 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A9 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A10

Wetland WT-A10 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature; however, it is upgradient of and may be connected to WT-A11 via brief surface flow events from snow melt and/or precipitation events due to its proximity to WT-A11. WT-A10 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A10 is within a FEMA-mapped Area of Minimal Flood

Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A11

Wetland WT-A11 does not appear to have continuous surface flow to a nearby stream or aquatic feature; however, it has a culvert inlet at its southern-most boundary, which is directed southeast offsite under Vollmer Road (Attachment II: Photo Location [PL] 10, PL 13). A site visit following the original delineation was conducted by a CORE biologist on March 14, 2022, to investigate the potential nexus of WT-A11 to the nearby Sand Creek via this culvert inlet. No culvert outlet on the southern side of Vollmer Road was observed during the site visit although a drainage channel was observed adjacent to Vollmer Road, and appeared to terminate approximately 150 feet from its source (Attachment II: PL 02). The presence of a drainage channel in this area suggests the outlet of the culvert may be buried and no longer functional. To the southeast of the isolated drainage channel, a stormwater facility was observed within a residential development that was constructed outside of the proposed Project Area (Attachment II: PL 03). No evidence of a connection between potential Waters of the U.S. within the Project Area and the stormwater facility that discharges to Sand Creek was observed during the site visit. Therefore, WT-A11 appears to be isolated and not connected to offsite potential Waters of the U.S. including Sand Creek.

WT-A11 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022). Additionally, no riparian corridor was observed near wetland WT-A11.

The Survey Area is within the northeastern boundary of the USFWS' Preble's meadow jumping mouse (PMJM) Block Clearance (USFWS 2012). Based on low quality to lack of suitable habitat and the overlap of the mapped block clearance with the Survey Area, it is unlikely that PMJM would occur on site. Additionally, Ute ladies'-tresses orchid (ULTO) was identified by the USFWS Information for Planning and Consultation database as having potential to occur within the Survey Area (USFWS 2022). However, due to the elevation of the Survey Area, along with a lack of a perennial water source and suitable features on site, ULTO is not expected to occur within WT-A11 or any other wetlands on site. The Project is therefore not anticipated to result in any impacts to federally-listed threatened or endangered species or their habitats. Pronghorn were also observed within upland areas of the Survey Area; however, no wildlife was observed within or adjacent to wetland WT-A11.

No water was observed within WT-A11 during the site visit, therefore, water quality of WT-A11 could not be assessed.

#### WT-A12

Wetland WT-A12 is a linear, depressional feature that does not appear have continuous surface flow to a nearby stream or aquatic feature. WT-A12 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A12 is within a FEMAmapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A13

Wetland WT-A13 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A13 boundaries are entirely within the Survey Area with

no apparent connection to potential Waters of the U.S. offsite. WT-A13 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A14

Wetland WT-A14 is a linear, depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A14 boundaries are entirely within the Survey Area with no apparent connection to potential Waters of the U.S. offsite. WT-A14 is within a FEMAmapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A15

Wetland WT-A15 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A15 boundaries are entirely within the Survey Area with no apparent connection to any aquatic features offsite. WT-A15 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A16

Wetland WT-A16 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A16 boundaries are entirely within the Survey Area with no apparent connection to any aquatic features offsite. WT-A16 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A17

Wetland WT-A17 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature, however, it is upgradient of and may be connected to WT-A16 via brief surface flow events from snow melt and/or precipitation events due to its proximity to WT-A16. WT-A17 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A17 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A18

Wetland WT-A18 is a linear, depressional feature that does not have continuous surface flow to a nearby stream or aquatic feature. WT-A18 boundaries are entirely within the Survey Area with no apparent connection to potential Waters of the U.S. offsite. WT-A18 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A19

Wetland WT-A19 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A19 boundaries are entirely within the Survey Area with no apparent connection to potential Waters of the U.S. offsite. WT-A19 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A20

Wetland WT-A20 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature . WT-A20 boundaries are entirely within the Survey Area with no apparent connection to potential Waters of the U.S. offsite. WT-A20 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A21

Wetland WT-A21 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature, however, it is upgradient of and may be connected to WT-A22. WT-A21 boundaries are entirely within the Survey Area with no apparent connection to potential Waters of the U.S. offsite. WT-A21 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A22

Wetland WT-A22 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A22 boundaries are entirely within the Survey Area with no apparent connection to potential Waters of the U.S. offsite. WT-A22 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A23

Wetland WT-A23 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A23 boundaries are entirely within the Survey Area with no apparent connection to potential Waters of the U.S. offsite. WT-A23 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A24

Wetland WT-A24 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A24 boundaries are entirely within the Survey Area with no apparent connection to potential Waters of the U.S. offsite. WT-A24 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A25

Wetland WT-A25 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A25 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A25 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A26

Wetland WT-A26 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A26 boundaries are entirely within the Survey Area with no apparent connection to potential Waters of the U.S. offsite. WT-A26 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or another aquatic feature (FEMA 2022).

#### WT-A27

Wetland WT-A27 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A27 boundaries are entirely within the Survey Area with no apparent connection to potential Waters of the U.S. offsite. WT-A27 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A28

Wetland WT-A28 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A28 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A28 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A29

Wetland WT-A29 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A29 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A29 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A30

Wetland WT-A30 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A30 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A30 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A33

Wetland WT-A33 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature (Attachment II: PL 11). A culvert inlet was observed at its southern boundary, directed southeast offsite under Vollmer Road (Attachment II: PL 14). During the site visit on March 14, 2022, a CORE biologist investigated the potential nexus of WT-A33. A culvert outlet was observed directly across Vollmer Road during the site visit (Attachment II: PL 4). A graded path under construction was observed downgradient of the culvert outlet. Southeast of the graded path, a meandering upland swale continued downgradient of the culvert for approximately 1,030 linear feet and terminated due to the construction of a permanent access road for a proposed residential development (Attachment II: PL 5, PL 6). An existing residential development was observed downgradient of this point. Therefore, WT-A33 appears to be isolated and lacks connection to Sand Creek.

WT-A33 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022). Additionally, no riparian corridor was observed near wetland WT-A33.

The Project is not anticipated to result in any impacts to federally-listed threatened or endangered species or their habitats. For rationale, please refer to discussion for wetland WT-A11. As with WT-

A11, pronghorn were observed within the upland areas of the Survey Area; however, no wildlife was observed within or adjacent to wetland WT-A33.

No water was observed within WT-A33 during the site visit, therefore, water quality of WT-A33 could not be assessed.

#### WT-A34

Wetland WT-A34 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A34 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A34 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A35

Wetland WT-A35 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A35 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A35 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A36

Wetland WT-A36 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature, however, it is upgradient of and may be connected to WT-A37. A southern portion of WT-A36 is within the Survey Area, while the remainder of WT-A36 is located north of the Survey Area. WT-A36 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A37

Wetland WT-A37 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. A northern portion of WT-A37 is located north of the Survey Area, while the remainder of WT-A37 is located within the Survey Area. WT-A37 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

#### WT-A38

Wetland WT-A38 is a depressional feature that does not appear to have continuous surface flow to nearby streams or aquatic features (Attachment II: PL 15). A culvert inlet was observed along its eastern boundary, directed southeast offsite under Vollmer Road (Attachment II: PL 15). During the site visit on March 14, 2022, A CORE biologist investigated the potential nexus of WT-A38. No culvert outlet was observed in the vicinity across Vollmer Road (Attachment II: PL 8), showing evidence for lack of connectivity between WT-A38 and the nearest downstream WOTUS, Sand Creek. A meandering upland swale was observed downgradient of this location (Attachment II: PL 9); however, no evidence of connectivity was observed between the culvert inlet and the upland swale across Vollmer Road. Therefore, WT-A38 appears to be isolated and lacks connection to WOTUS.

WT-A38 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022). Additionally, no riparian corridor was observed near wetland WT-A38.

The Project is not anticipated to result in any impacts to federally-listed threatened or endangered species or their habitats. For rationale, please refer to discussion for wetland WT-A11. As with WT-A11 and WT-A33, pronghorn were observed within the Survey Area; however, no wildlife was observed within or adjacent to wetland WT-A38.

No water was observed within WT-A38 during the site visit, therefore, water quality of WT-A38 could not be assessed.

#### WT-A39

Wetland WT-A39 is a linear, depressional feature that does not appear to have continuous surface flow to any nearby streams or aquatic features. The northwestern boundary of WT-A39 abuts the northern boundary of the Survey Area. Upstream of this location, north of Poco Road, was not investigated since it is outside of the Survey Area boundary. All other WT-A39 boundaries are entirely within the Survey Area with no apparent connection to any aquatic features offsite. A manmade berm was observed directly south of WT-A39, with no apparent nexus to any downstream features (Attachment II: PL 12). The nearest observed wetland downgradient of WT-A39 is WT-A33, which appears to be isolated and not connected to Sand Creek. Finally, WT-A39 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or feature (FEMA 2022).

#### WT-A40

Wetland WT-A40 is a depressional feature that does not appear to have continuous surface flow to a nearby stream or aquatic feature. WT-A40 boundaries are entirely within the Survey Area with no apparent connection to any potential Waters of the U.S. offsite. WT-A40 is within a FEMA-mapped Area of Minimal Flood Hazard, Zone X, not within the 100-year floodplain of a nearby stream or other aquatic feature (FEMA 2022).

### **Site History**

The Survey Area and surrounding landscape have been significantly modified over the past two decades (Google Earth 2022). Historical aerials from September 1999 show the existing Vollmer Road running along the eastern boundary of the Project and Poco Road running along the northern boundary of the Project. Additionally, an access road off Vollmer Road is shown running northwest through the Survey Area. The extents of the apparent tributaries of Sand Creek visible in the 1999 imagery exceed the current extents of the wetland features delineated in 2022. The 1999 imagery shows three tributaries of Sand Creek running southeast through the Survey Area, with an apparent connection to Sand Creek. At this time, the manmade berm observed on site in 2022 did exist, however, there appeared to be a clear connection between the tributary sections north and south of the berm. The annual precipitation of 1999 was 27.58 inches, the highest ever recorded for this area (NWS 2022). Historical aerials show the land southeast of the Survey Area to be undeveloped at this time.

By 2005, the connection between the north and south sections of the tributary with the manmade berm appears severed. South of the manmade berm, the tributary appears smaller, with no

connection to the tributary north of the berm. Additionally, all three tributaries leading from the Project to Sand Creek appear less defined. The average annual precipitation in the area between 2000 and 2005 was 14.18, slightly below average and significantly lower than 1999. The large difference in precipitation levels between 1999 and 2005 may help explain the difference in tributary connection and size. The Survey Area vicinity was still primarily grassland with minimal development during this period (Google Earth 2022).

No apparent notable changes occurred within, or in the vicinity of, the Survey Area between 2005 and 2017. Development of the area immediately east of the Project increased in 2017, when construction of residential development began east of Vollmer Road (Google Earth 2022). The southern tributary of Sand Creek, running southeast from the Project, appears to no longer exist in this area, due to land-clearing for development (Google Earth 2022). By 2019, historical imagery shows this residential development expanded northward. At this time, the middle tributary of Sand Creek running southeast from the Project appears to no longer exist past this area, due to the construction of a permanent access road and land clearing for development. The northern tributary of Sand Creek is still apparent in the historical imagery, however, appears less pronounced than previous years.

### Conclusion

CORE respectfully requests review of the documents herein regarding an approved jurisdictional determination for the Survey Area to assist with design and permitting efforts. If you should have any questions or require additional information, please feel free to contact me directly at 720-520-3589, or at ngraves@liveyourcore.com.

Sincerely,

CORE Consultants, Inc.

atalie Draves

Natalie Graves Natural Resources Project Manager

## REFERENCES

- FEMA (Federal Emergency Management Agency). 2022. National Flood Hazard Layer. FEMA Flood Map Service Center. <u>https://msc.fema.gov/portal/home</u>. Accessed March 2022.
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# ATTACHMENT I

## JURISDICTIONAL DETERMINATION REQUEST FORM

3473 South Broadway Englewood, Colorado 80113 303.703.4444 LIVEYOURCORE.COM

#### **REQUEST FOR JURISDICTIONAL DETERMINATION**

This request sheet should be used when a jurisdictional determination (JD) is required from the U.S. Army Corps of Engineers, Albuquerque District. It is intended to help both the requestor and the Corps in determining which type of JD, if any, is appropriate. Use of the sheet is optional; however the information and consent is needed to complete a JD. If you are applying for a Department of the Army permit, you do not need to request a JD. A jurisdictional determination is not required to process a permit application. At the time an application is submitted, the Corps will assume the aquatic resources on the parcel/within the review area are waters of the United States for the purpose of making a permit decision. With no JD requested, the permit application may be processed more quickly. The permittee retains the ability to request a JD any time during or after the permit application review process.

I am requesting the U.S. Army Corps of Engineers, Albuquerque District, complete a jurisdictional determination for the parcel/ review area located at:

State:       Zip:       Section:       Township:       Range:         Latitude (decimal degrees):       Longitude (decimal degrees):       acres. (Please attach location map)         Choose one:       I currently own this property.       I am requesting an Approved JD.         I plan to purchase this property.       I am requesting an Approved JD.         I am agent/consultant acting on behalf of the requestor.       I am requesting an Approved JD.         Other:       I am unclear as to which JD I would like to request and require additional information to inform my decision.         Reason for request: (check all that apply)       I intend to construct/develop a project or perform activities on this parcel/review area which would be designed to avoid all aquatic resources under Corps authority.         I intend to construct/develop a project or perform activities on this parcel/review area which may require authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.         I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is included on the district's list of navigable waters under Section 10 of the Rivers and Harbors Act of 1899.         A JD is required in order to obtain my local/state authorization.       I intend to contstuct/develop a project or perform activities in a navigable water of the U.S. which is included on the district's list of navigable waters under Section 10 of the Rivers and Harbors Act of 1899.         A JD is required in	Street Address:		City:	County:
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ogram of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332 Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website. Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.



## ATTACHMENT II

### ADDITIONAL PHOTOGRAPHS



Photo Location 01. Looking northwest at drainage channel on east side of Vollmer Road.





Photo Location 01. Looking southeast at drainage channel and development on east side of Vollmer Road.



Photo Location 02. Looking south at drainage channel termination point. No apparent downstream connection to other aquatic resources.



Photo Location 03. Looking southwest at stormwater facilities under residential development.





Photo Location 04. Looking west at culvert outlet on east side of Vollmer Road.



Photo Location 05. Looking southwest at meandering swale east of Vollmer Road.



Photo Location 05. Looking south at meandering swale termination due to access road construction.



Photo Location 06. Looking east at cleared land and residential development east of Vollmer Road.





Photo Location 07. Looking north at existing residential development east of Vollmer Road, near Sand Creek.



Photo Location 08. Looking west at east side of Vollmer Road.





Photo Location 09. Looking east at meandering swale east of Vollmer Road.



Photo Location 10. Looking southeast at culvert inlet directed offsite under Vollmer Road.



Photo Location 11. Looking northeast at a wetland pond, WT-A33, just downgradient of the manmade berm.



Photo Location 12. Looking northwest at a manmade berm.





Photo Location 13. Looking north at WT-A11.





Photo Location 14. Culvert inlet near WT-A33 directed southeast offsite under Vollmer Road.





Photo Location 15. Looking north at WT-A38.



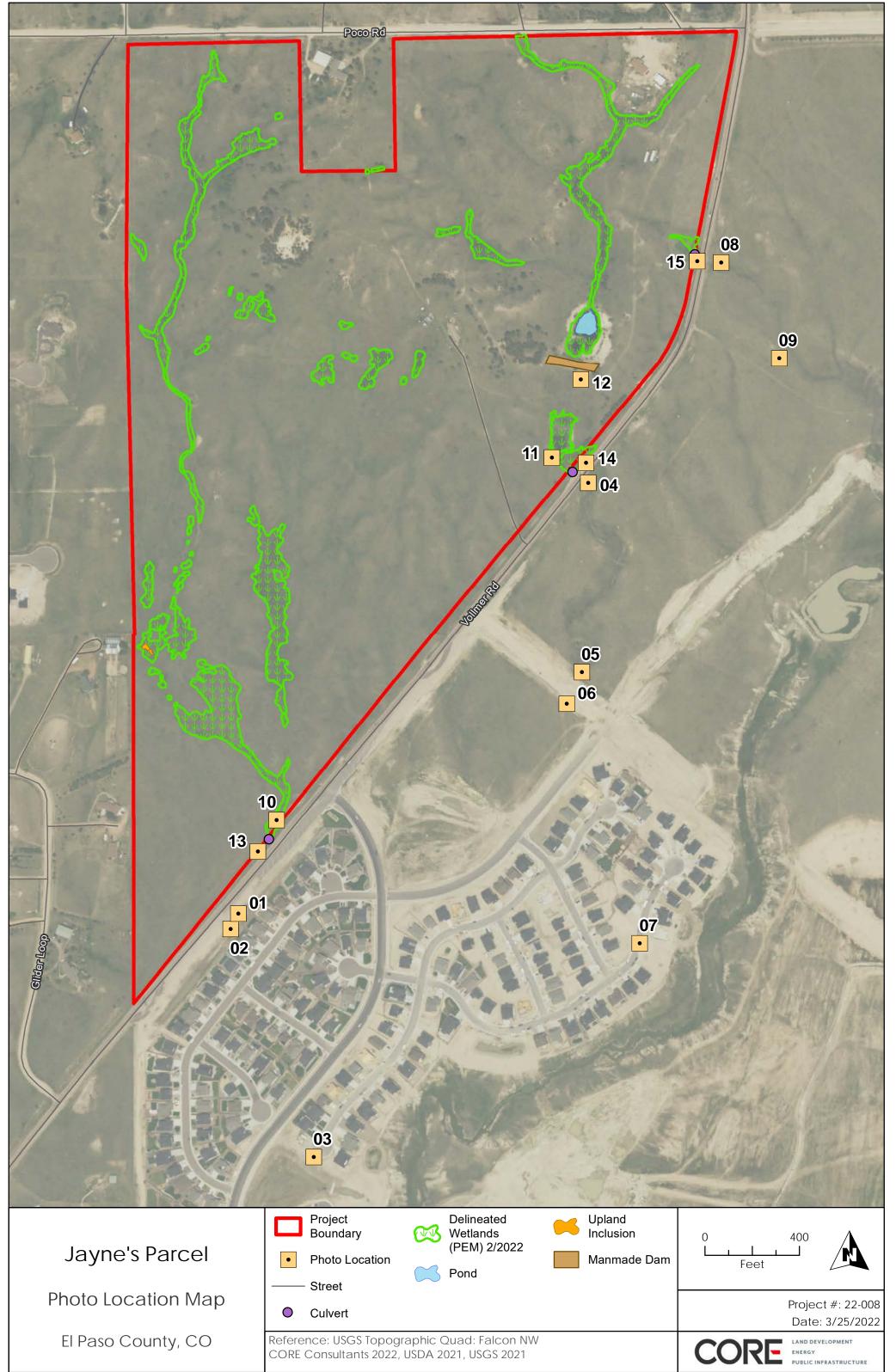


Photo Location 15. Culvert inlet near WT-A38 directed southeast offsite under Vollmer Road.



## ATTACHMENT III

PHOTO LOCATION MAP





## ATTACHMENT IV

WETLAND DELINEATION REPORT

## POTENTIAL WATERS OF THE U.S. DELINEATION REPORT

### FOR

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

#### Prepared for:

Classic Communities 6385 Corporate Dr., Suite 200 Colorado Springs, CO 80919

### Prepared by:



CORE Consultants, Inc. 3473 South Broadway Englewood, CO 80113

February 2022



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#### **APPENDICES**

Appendix A	Wetland Determination Forms
Appendix B	Representative Photographs

## 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 was published in the 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	

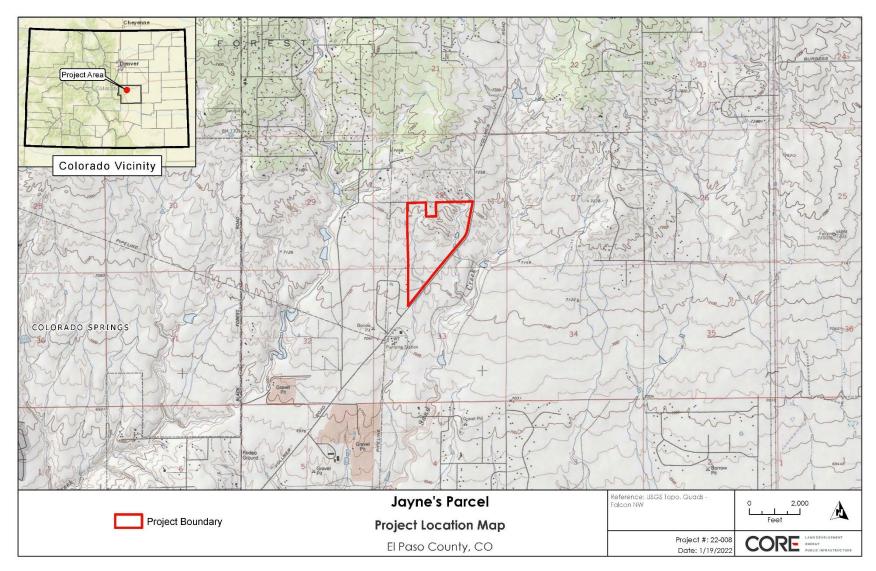


Figure 3.1 Project Location Map

### 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).



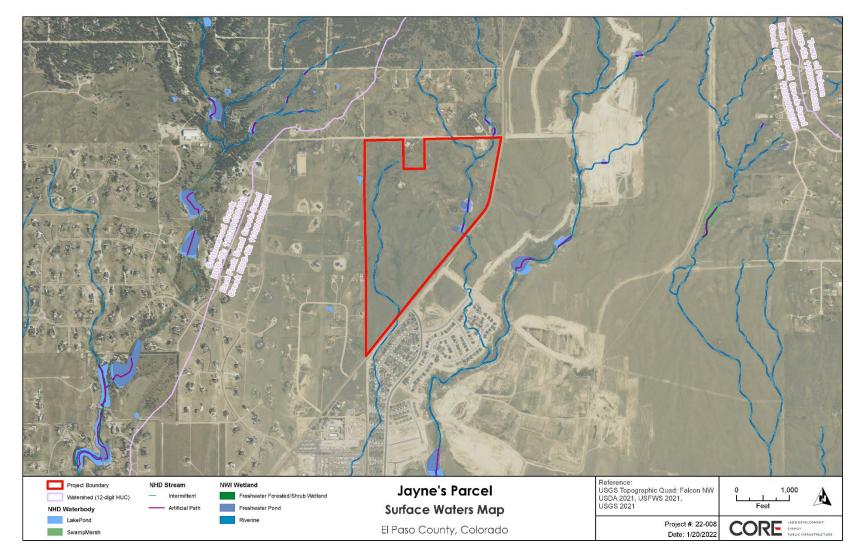


Figure 4.1 Surface Waters Map



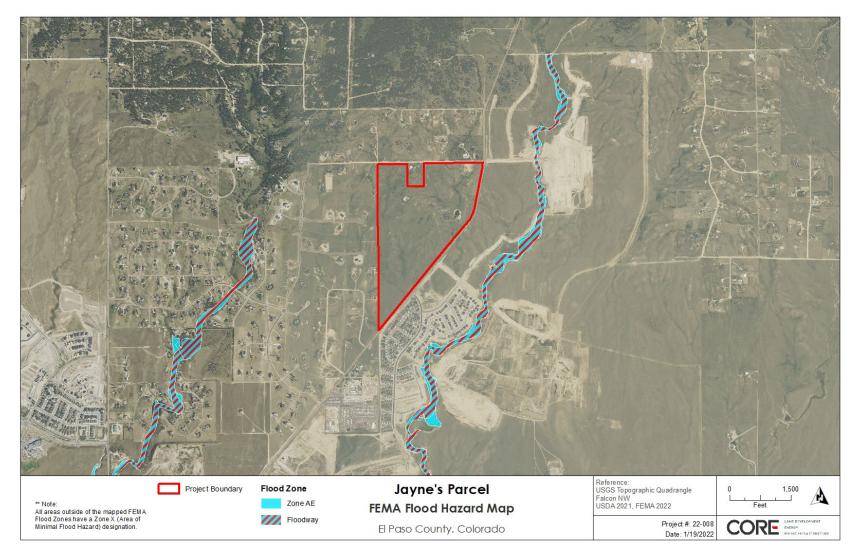


Figure 4.2 FEMA Flood Hazard Map



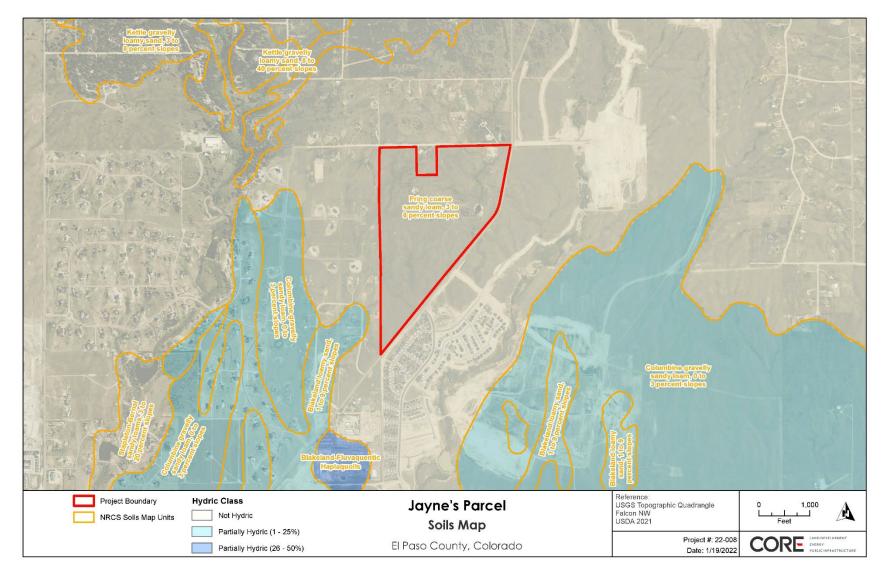


Figure 4.3 Soils Map



### 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 <sup>1</sup>	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 <sup>1</sup>	Musk thistle	UPL
Centaurea diffusa <sup>1</sup>	Diffuse knapweed	UPL

Scientific Name	COMMON NAME	WETLAND INDICATOR STATUS
Cirsium arvense <sup>1</sup>	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 <sup>1</sup>	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

<sup>1</sup>Colorado-listed Noxious Weed (Colorado Department of Agriculture 2022).

CORE

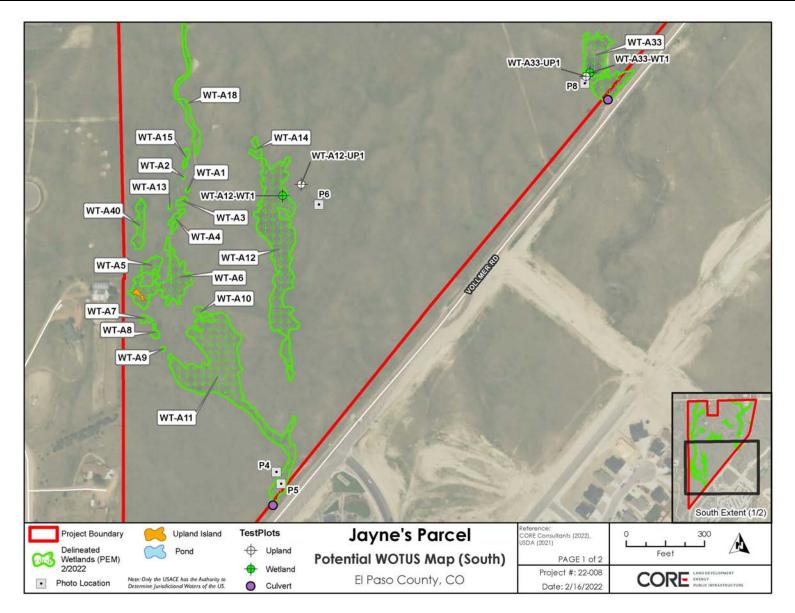


Figure 4.4 Potential WOTUS Location Map (South)

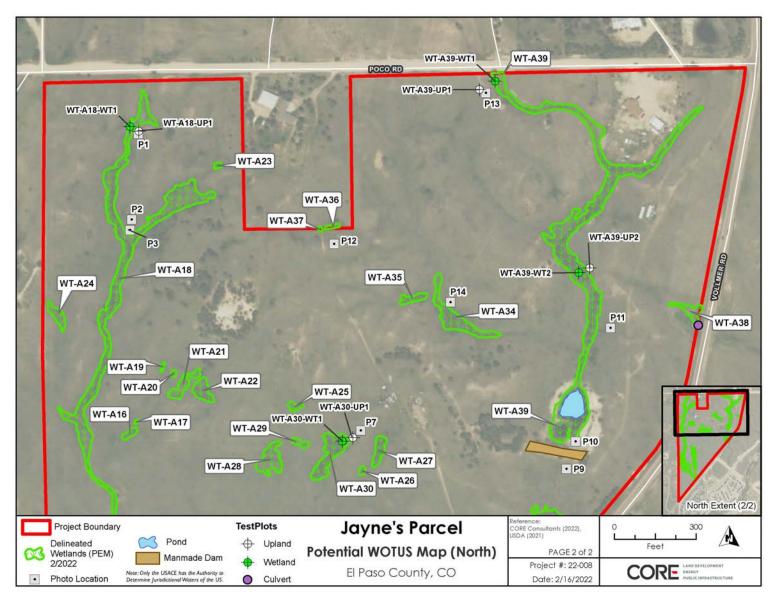


Figure 4.4 Potential WOTUS Location Map (North)



## 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 D	ate: 2/1/22
Applicant/Owner:		State: CO		oint:WT-A12-UP1
Investigator(s): S. Clark	Section, Township, Range	: S28 and 33, T12S	, R65W	
Landform (hillslope, terrace, etc.): terrace	_ Local relief (concave, con			Slope (%): 0
Subregion (LRR): E Lat: 38	°58'35.40"N Lo	ong: - 104°40'18.06"	W	Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slopes		NWI classific	ation: <u>None</u>	
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes <u>×</u> No	(If no, explain in R	emarks.)	
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Nor	rmal Circumstances" p	oresent? Ye	s_X No
Are Vegetation, Soil, or Hydrology naturally p	oblematic? (If neede	ed, explain any answe	rs in Remark	s.)

### 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:
<u>Tree Stratum</u> (Plot size: <u>NA</u> )	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
1				
2				Total Number of Dominant
3				Species Across All Strata: <u>2</u> (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				Total % Cover of: Multiply by:
2				
3				
4				
5				FAC species $\frac{0}{22}$ x 3 = $\frac{0}{122}$
0		= Total Co	wor	FACU species 30 x 4 = 120
Herb Stratum (Plot size: 5')		10tal CC		UPL species $50   x  ext{ 5} = 250$
1 Artemisia ludoviciana	10		FACU	Column Totals: 80 (A) 370 (B)
2. Schizachyrium scoparium	20	x	UPL	
3. Bouteloua gracilis	20	x	UPL	Prevalence Index = $B/A = \frac{4.63}{2}$
Aristida purpurea	10		UPL	Hydrophytic Vegetation Indicators:
5 Sporobolus heterolepis	10		FACU	1 - Rapid Test for Hydrophytic Vegetation
6 Symphyotrichum cf. falcatum	- 10		FACU	2 - Dominance Test is >50%
				3 - Prevalence Index is $≤3.0^1$
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	60	= Total Co	ver	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA )				
1				Hydrophytic
2				Vegetation
		= Total Co		Present? Yes <u>No X</u>
% Bare Ground in Herb Stratum 40		10101 00		
Remarks:				1

Dooth										
Depth	Matrix			x Features	S T. 1	2	<b>-</b> ·		<b>.</b> .	_
	<u>Color (moist)</u> )YR 2/1	<u> </u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>		Remark	S
<u> </u>	5111 2/1						Sandy loa	m		
				·						
		·		·						
		·		·						
				·						
1 <u>Turney</u>	ntration D-Dan							21	-Dena Linina	N4-N4-strive
			Reduced Matrix, CS RRs, unless other			ed Sand Gr			_=Pore Lining oblematic Hy	
-					su.)				-	
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Black Histic (		-	Loamy Mucky N		) (excent				Dark Surface	(TF12)
Hydrogen Su	. ,	-	Loamy Gleyed I	•				-	n in Remarks)	
	ow Dark Surface	e (A11)	Depleted Matrix		,					
Thick Dark S		· / <u>-</u>	Redox Dark Su	. ,			<sup>3</sup> Indi	cators of hydi	ophytic veget	ation and
	y Mineral (S1)	_	Depleted Dark \$	Surface (F	7)			-	ogy must be p	
Sandy Gleye	d Matrix (S4)	_	Redox Depress	ions (F8)			u	nless disturbe	ed or problemation	atic.
Restrictive Laye										
<sub>Type:</sub> <u>Frozen</u>										
Depth (inches)	): 7						Hydric	Soil Present	Yes	No_X
Jnlikely to b	e hydric du	ie to pla	nt community	/ and la	andsca	ape pos	sition.			
Jnlikely to b		ie to pla	nt community	/ and la	andsca	ape pos	sition.			
Unlikely to b	ogy Indicators:		nt community		andsca			econdary Indi	cators (2 or m	ore required)
Unlikely to b	ogy Indicators: s (minimum of o		check all that apply	y)						
UNIIKELY to b	ogy Indicators: s (minimum of o er (A1)		check all that apply	γ) ined Leave	es (B9) ( <b>e</b>			Water-Stai	ned Leaves (E	l <u>ore required)</u> 39) ( <b>MLRA 1, 2,</b>
Jnlikely to b         YDROLOGY         Wetland Hydrold         Primary Indicators	<b>bgy Indicators:</b> <u>s (minimum of o</u> er (A1) Table (A2)		check all that apply	y) ined Leave 1, 2, 4A, a	es (B9) ( <b>e</b>			Water-Stai 4A, and	ned Leaves (E I <b>4B)</b>	39) ( <b>MLRA 1, 2</b> ,
Unlikely to b	ogy Indicators: s (minimum of o er (A1) able (A2) 3)		<u>check all that apply</u> Water-Stai MLRA Salt Crust	y) ined Leave <b>1, 2, 4A, a</b> (B11)	es (B9) (e Ind 4B)		<u>S</u>	_ Water-Stai <b>4A, anc</b> _ Drainage F	ned Leaves (E I <b>4B)</b> Patterns (B10)	39) ( <b>MLRA 1, 2</b> ,
UNDROLOGY Wetland Hydrold Primary Indicators Surface Wate High Water T Saturation (A Water Marks	ogy Indicators: s (minimum of o er (A1) able (A2) (B1)		<u>check all that appl</u> Water-Stai MLRA Salt Crust Aquatic Inv	γ) ined Leave <b>1, 2, 4A, a</b> (B11) vertebrates	es (B9) ( <b>e</b> in <b>d 4B)</b> s (B13)		<u>S</u>	Water-Stai <b>4A, and</b> Drainage F Dry-Seaso	ned Leaves (B I <b>4B)</b> Patterns (B10) n Water Table	39) ( <b>MLRA 1, 2,</b> e (C2)
Jnlikely to b         YDROLOGY         Wetland Hydrold         Primary Indicators         Surface Wate         High Water T         Saturation (A         Water Marks         Sediment De	bgy Indicators: s (minimum of o er (A1) Table (A2) .3) (B1) posits (B2)		<u>check all that apply</u> Water-Stai Salt Crust Aquatic Inv Hydrogen	y) ined Leave <b>1, 2, 4A, a</b> (B11) vertebrates Sulfide Oc	es (B9) ( <b>e</b> in <b>d 4B)</b> s (B13) dor (C1)	xcept	<u>Sr</u>	Water-Stai 4A, and Drainage F Dry-Seaso Saturation	ned Leaves (B I <b>4B)</b> Patterns (B10) n Water Table Visible on Ae	39) ( <b>MLRA 1, 2,</b> e (C2) rial Imagery (C9
UNDROLOGY Wetland Hydrold Primary Indicators Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits	bgy Indicators: s (minimum of o er (A1) Table (A2) (3) (B1) eposits (B2) s (B3)		<u>check all that apply</u> Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F	y) ined Leave <b>1, 2, 4A, a</b> (B11) vertebrates Sulfide Oc Rhizospher	es (B9) ( <b>e</b> I <b>nd 4B)</b> s (B13) dor (C1) res along	xcept	<u>S</u> i  	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph	ned Leaves (E I <b>4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D2)	39) ( <b>MLRA 1, 2,</b> e (C2) rial Imagery (C9
UNDROLOGY Wetland Hydrold Primary Indicators Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or 0	by Indicators: s (minimum of o er (A1) Table (A2) (B1) (B1) (B1) s (B3) Crust (B4)		<u>check all that apply</u> Water-Stai <b>MLRA</b> Salt Crust Aquatic Inv Hydrogen Oxidized F Presence of	y) ined Leave 1, 2, 4A, a (B11) vertebrate: Sulfide Oc Rhizospher of Reduce	es (B9) ( <b>e</b> I <b>nd 4B)</b> s (B13) dor (C1) res along d Iron (C4	xcept	<u>Si</u>   	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ac	ned Leaves (E <b>I 4B)</b> Patterns (B10) n Water Table Visible on Aer ic Position (D2 juitard (D3)	39) ( <b>MLRA 1, 2,</b> e (C2) rial Imagery (C9
Jnlikely to b IYDROLOGY Wetland Hydrold Primary Indicators Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or 0 Iron Deposits	bgy Indicators: <u>s (minimum of o</u> er (A1) Table (A2) (B1) (B1) posits (B2) s (B3) Crust (B4) s (B5)		<u>check all that apply</u> Water-Stai <b>MLRA</b> Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro	y) ined Leave (B11) vertebrate: Sulfide Oc Rhizospher of Reduce n Reductio	es (B9) ( <b>e</b> and <b>4B)</b> s (B13) dor (C1) res along d Iron (C4 on in Tille	xcept Living Roc 1) d Soils (C6	<u>Sr</u>  	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr	ned Leaves (E Patterns (B10) n Water Table Visible on Ae ic Position (D2 juitard (D3) al Test (D5)	39) ( <b>MLRA 1, 2,</b> e (C2) rial Imagery (C9 2)
Jnlikely to b         IYDROLOGY         Wetland Hydrold         Primary Indicators         Surface Water         High Water T         Saturation (A         Water Marks         Sediment De         Drift Deposits         Algal Mat or (C)         Iron Deposits         Surface Soil	bgy Indicators: <u>s (minimum of o</u> er (A1) Table (A2) (B1) (B1) posits (B2) s (B3) Crust (B4) s (B5)	ne required;	<u>check all that apply</u> Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence of Recent Iro Stunted or	y) ined Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oc Rhizospher of Reduce n Reductio Stressed	es (B9) ( <b>e</b> a <b>nd 4B)</b> s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D	xcept Living Roc 1) d Soils (C6	<u>Sr</u>  	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An	ned Leaves (E <b>I 4B)</b> Patterns (B10) n Water Table Visible on Aer ic Position (D2 juitard (D3)	39) ( <b>MLRA 1, 2,</b> e (C2) rial Imagery (C9 2)
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Jnlikely to b	bgy Indicators: s (minimum of o er (A1) Table (A2) (B1) (B1) (B1) s (B3) Crust (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial I getated Concave	ne required; magery (B7)	<u>check all that apply</u> <u>Water-Stai</u> <u>MLRA</u> <u>Salt Crust</u> <u>Aquatic Inv</u> <u>Hydrogen</u> <u>Oxidized F</u> <u>Recent Iro</u> <u>Stunted or</u> <u>Other (Exp</u>	y) ined Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oc Rhizospher of Reduce n Reductio Stressed	es (B9) ( <b>e</b> a <b>nd 4B)</b> s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D	xcept Living Roc 1) d Soils (C6	<u>Sr</u>  	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An	ned Leaves (E Patterns (B10) n Water Table Visible on Ael ic Position (D2) juitard (D3) al Test (D5)	39) ( <b>MLRA 1, 2,</b> e (C2) rial Imagery (C9 2)
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HYDROLOGY         Wetland Hydrold         Primary Indicators         Surface Water         High Water T         Saturation (A         Water Marks         Sediment De         Drift Deposits         Algal Mat or Q         Iron Deposits         Surface Soil Q         Inundation Vi         Sparsely Veg         Field Observation         Surface Water Prive         Water Table Press         Saturation Preservation	bgy Indicators: s (minimum of o er (A1) Table (A2) (B1) (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial I getated Concave ons: resent? Y sent? Y	ne required; magery (B7) es N es N	<u>check all that apply</u> <u> </u> Water-Stai <b>MLRA</b> <u> </u> Salt Crust <u> </u> Aquatic Inv <u> </u> Oxidized F <u> </u> Oxidized F <u> </u> Presence of <u> </u> Recent Iro <u> </u> Stunted or <u> </u> Other (Exp 8)	y) ined Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oc Rhizospher of Reduce n Reductio Stressed olain in Re ches): ches):	es (B9) ( <b>e</b> in <b>d 4B)</b> s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks)	Living Roo xcept 4) d Soils (C6 1) (LRR A	<u>S</u> I  ots (C3) S)	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised Ant Frost-Heav	ned Leaves (E Patterns (B10) n Water Table Visible on Ael ic Position (D2) juitard (D3) al Test (D5)	39) ( <b>MLRA 1, 2,</b> e (C2) rial Imagery (C9 2) ) ( <b>LRR A</b> ) (D7)
Jnlikely to b  IYDROLOGY  Wetland Hydrolo  Primary Indicators Surface Water High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or (B Iron Deposits Surface Soil (B) Surface Water Pri Water Table Press Saturation Preser (includes capillary)	bgy Indicators: <u>s (minimum of o</u> er (A1) Table (A2) (B1) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial I getated Concave ons: resent? Y sent? Y offinge)	ne required; magery (B7) e Surface (B es N es N es N	<u>check all that apply</u> <u> </u> Water-Stai <u> MLRA</u> <u> Salt Crust</u> <u> Aquatic Inv</u> <u> Aquatic Inv</u> <u> Cuidized F</u> <u> Recent Iro</u> <u> Stunted or</u> <u> Other (Exp</u> 8)	y) ined Leave (B11) vertebrate: Sulfide Oc Rhizospher of Reduce n Reductio Stressed olain in Re ches): ches):	es (B9) ( <b>e</b> and <b>4B</b> ) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks)	xcept Living Roc ) d Soils (C6 1) (LRR A	Si 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised Ant Frost-Heav	ned Leaves (E I <b>4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D2 juitard (D3) al Test (D5) Mounds (D6) re Hummocks	39) ( <b>MLRA 1, 2,</b> e (C2) rial Imagery (C9 2) ) ( <b>LRR A</b> ) (D7)
Jnlikely to b  IYDROLOGY  Wetland Hydrolo  Primary Indicators Surface Water High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or (B Iron Deposits Surface Soil (B) Surface Water Pri Water Table Press Saturation Preser (includes capillary)	bgy Indicators: <u>s (minimum of o</u> er (A1) Table (A2) (B1) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial I getated Concave ons: resent? Y sent? Y offinge)	ne required; magery (B7) e Surface (B es N es N es N	<u>check all that apply</u> <u> </u> Water-Stai <u>    MLRA</u> <u>    Salt Crust</u> <u>    Aquatic Inv</u> <u>    Aquatic Inv</u> <u>    Oxidized F</u> <u>    Presence of</u> <u>    Recent Iro</u> <u>    Stunted or</u> <u>    Stunted or</u> <u>    Other (Exp</u> 8) lo <u>x</u> Depth (inc 10 <u>x</u> Depth (inc	y) ined Leave (B11) vertebrate: Sulfide Oc Rhizospher of Reduce n Reductio Stressed olain in Re ches): ches):	es (B9) ( <b>e</b> and <b>4B</b> ) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks)	xcept Living Roc ) d Soils (C6 1) (LRR A	Si 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised Ant Frost-Heav	ned Leaves (E I <b>4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D2 juitard (D3) al Test (D5) Mounds (D6) re Hummocks	39) ( <b>MLRA 1, 2,</b> e (C2) rial Imagery (C9 2) ) ( <b>LRR A</b> ) (D7)
Hydrology     Wetland Hydrology     Wetland Hydrolog     Primary Indicators     Surface Water     High Water T     Saturation (A     Water Marks     Sediment De     Drift Deposits     Algal Mat or (C     Iron Deposits     Surface Soil (C     Iron Deposits     Surface Soil (C     Sparsely Veg     Field Observation     Surface Water Press     Saturation Preser     (includes capillary)	bgy Indicators: <u>s (minimum of o</u> er (A1) Table (A2) (B1) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial I getated Concave ons: resent? Y sent? Y offinge)	ne required; magery (B7) e Surface (B es N es N es N	<u>check all that apply</u> <u> </u> Water-Stai <u>    MLRA</u> <u>    Salt Crust</u> <u>    Aquatic Inv</u> <u>    Aquatic Inv</u> <u>    Oxidized F</u> <u>    Presence of</u> <u>    Recent Iro</u> <u>    Stunted or</u> <u>    Stunted or</u> <u>    Other (Exp</u> 8) lo <u>x</u> Depth (inc 10 <u>x</u> Depth (inc	y) ined Leave (B11) vertebrate: Sulfide Oc Rhizospher of Reduce n Reductio Stressed olain in Re ches): ches):	es (B9) ( <b>e</b> and <b>4B</b> ) s (B13) dor (C1) res along d Iron (C4 on in Tille Plants (D marks)	xcept Living Roc ) d Soils (C6 1) (LRR A	Si 	Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised Ant Frost-Heav	ned Leaves (E I <b>4B)</b> Patterns (B10) n Water Table Visible on Ae ic Position (D2 juitard (D3) al Test (D5) Mounds (D6) re Hummocks	39) ( <b>MLRA 1, 2,</b> e (C2) rial Imagery (C9) 2) ) ( <b>LRR A</b> ) (D7)
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Project/Site: Jayne's Parcel	City/County: El Pasc	)	Sampling Date: 2/1/22
Applicant/Owner:		State: CO	Sampling Point: WT-A12-WT1
Investigator(s): S. Clark	Section, Township, R	ange: <u>S28 and 33, T128</u>	, R65W
Landform (hillslope, terrace, etc.): swale			Slope (%): 0
Subregion (LRR): E	Lat: <u>38°58'35.67"N</u>	Long: - 104°40'17.43	W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slop	es	NWI classific	cation: R4SBC
Are climatic / hydrologic conditions on the site typical for this til	me of year? Yes <u>x</u> No	(If no, explain in F	emarks.)
Are Vegetation, Soil, or Hydrology sign	ificantly disturbed? Are	e "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology natu	Irally problematic? (If r	needed, explain any answe	rs in Remarks.)
SUMMARY OF EINDINGS Attach site man ab	owing compling point	locationa 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           Yes         X         No	 Is the Sampled Area within a Wetland?	Yes X	No
Remarks:				

#### **VEGETATION – Use scientific names of plants.**

NA	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: NA)	<u>% Cover</u>	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				
				Total Number of Dominant         Species Across All Strata:         1         (B)
3				Species Across All Strata. (B)
4				Percent of Dominant Species
NIA		= 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:
3				OBL species $\frac{10}{10}$ x 1 = $\frac{10}{10}$
				FACW species $\frac{82}{x \cdot 2} = \frac{164}{x \cdot 2}$
4				FAC species $\frac{15}{x \ 3} = \frac{45}{x}$
5				FACU species $9 \times 4 = 36$
		= Total Co	ver	
Herb Stratum (Plot size: 5')				UPL species $x 5 = $
<sub>1.</sub> 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	<u>x</u> 3 - Prevalence Index is $\leq 3.0^{1}$
				4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8				5 - Wetland Non-Vascular Plants <sup>1</sup>
9				
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	116	= Total Co	/er	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA )				
1				Hudrophytic
				Hydrophytic Vegetation
2				Present? Yes X No
% Bare Ground in Herb Stratum <sup>0</sup>		= Total Co	ver	
Remarks:				

# Sampling Point: WT-A12-WT1

Depth	Matrix				K Features		. ?	_				
<u>inches)</u>	Color (moist)	<u>%</u>	Color	(moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textur	e		Remarks	
0-2	10YR 2/1	100						Sandy loa	am			
			·									
			·									
			·									
			·									
									2			
	dicators: (Applic						d Sand Gi				ore Lining, M matic Hydr	
		able to al				ea.)					-	
Histosol (A				ly Redox (S						uck (A10)		
Black Hist	bedon (A2)			ped Matrix	• •	1) (oxcont				rent Mate	riai (1F2) k Surface (1	E12)
-	Sulfide (A4)			ny Gleyed N			WILKA I)		-		Remarks)	F12)
	Below Dark Surface	e (A11)		eted Matrix		)					ixemarks)	
	k Surface (A12)	0 (/ (/ / / )		ox Dark Sur				<sup>3</sup> Ind	icators o	of hydroph	iytic vegetati	on and
	cky Mineral (S1)			eted Dark S		7)					must be pre	
-	eyed Matrix (S4)			ox Depressi		,					r problemati	
strictive La	yer (if present):											
Type: Froz	en											
Depth (inch	les); 2							Hydric	Soil Pre	esent?	Yes X	No
	nay be simila	r to DF	P-1 and	meet th	ne F6 ł	nydric s	soil ind	icator.				
iis soil m	-	r to DF	P-1 and	meet th	ne F6 ł	nydric s	soil ind	icator.				
iis soil m DROLOG	-		P-1 and	meet th	ne F6 ł	nydric s	soil ind	icator.				
iis soil m DROLOG etland Hydr	εY					nydric s	soil ind		Seconda	ry Indicato	ors (2 or mor	e required)
DROLOG DROLOG etland Hydr	iY rology Indicators: tors (minimum of o		ed; check a	Il that apply	()							
DROLOG etland Hydr imary Indica _ Surface W	FY rology Indicators: tors (minimum of o /ater (A1)		ed; check a	II that apply Water-Stai	/) ned Leave	es (B9) (e			Wate	er-Stained	Leaves (B9	<u>e required)</u> ) ( <b>MLRA 1, 2</b> ,
is soil m DROLOG etland Hydr mary Indica _ Surface W _ High Wate	FY rology Indicators: tors (minimum of o /ater (A1) er Table (A2)		ed; check a	II that apply Water-Stai MLRA 1	/) ned Leave I, 2, 4A, a	es (B9) (e			_ Wate 4	er-Stained <b>A, and 4B</b>	Leaves (B9) )	
is soil m DROLOG etland Hydr mary Indica _ Surface W _ High Wate _ Saturation	Fology Indicators: tors (minimum of o /ater (A1) er Table (A2) h (A3)		ed; check a 	<u>II that apply</u> Water-Stai <b>MLRA</b> 2 Salt Crust	/) ned Leav( <b>I, 2, 4A, </b> a (B11)	es (B9) (e: and 4B)		<u>s</u> 	Wate	er-Stained <b>A, and 4B</b> nage Patte	Leaves (B9 <b>)</b> erns (B10)	) (MLRA 1, 2,
is soil m DROLOG etland Hydr mary Indica _ Surface W _ High Wate _ Saturation _ Water Ma	<b>Fology Indicators:</b> tors (minimum of o /ater (A1) er Table (A2) n (A3) rks (B1)		ed; check a 	Il that apply Water-Stai MLRA 1 Salt Crust of Aquatic Inv	/) ned Leave I, 2, 4A, a (B11) rertebrate	es (B9) (e: and 4B) s (B13)		<u>s</u> 	Wate 4 Drair Dry-\$	er-Stained <b>A, and 4B</b> nage Patte Season W	Leaves (B9 ) erns (B10) ater Table (0	) ( <b>MLRA 1, 2</b> , C2)
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is soil m DROLOG etland Hydr mary Indica Surface W High Wate Saturation Saturation Saturation Saturation Dift Depo	<b>SY</b> <b>rology Indicators:</b> <u>tors (minimum of o</u> /ater (A1) er Table (A2) a (A3) rks (B1) Deposits (B2) sits (B3)		ed; check a 	II that apply Water-Stair MLRA 1 Salt Crust of Aquatic Inv Hydrogen S Oxidized R	/) ned Leav I, <b>2, 4A, a</b> (B11) rertebrate Sulfide Oo hizosphe	es (B9) (e: ind 4B) s (B13) dor (C1) res along	xcept	<u>S</u>  	Wate Drair Dry-\$ Satu K Geor	er-Stained <b>A, and 4B</b> nage Patte Season W ration Visi morphic Pe	Leaves (B9 ) erns (B10) ater Table ( ble on Aeria osition (D2)	) ( <b>MLRA 1, 2</b> , C2)
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is soil m DROLOG etland Hydr mary Indica _ Surface W _ High Wate _ Saturation _ Water Mai _ Sediment _ Drift Depo _ Algal Mat _ Iron Depo	FY rology Indicators: tors (minimum of o /ater (A1) er Table (A2) a (A3) rks (B1) Deposits (B2) usits (B3) or Crust (B4) sits (B5)		ed; check a     	II that apply Water-Stai MLRA 2 Salt Crust of Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron	r) ned Leave (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reductio	es (B9) (e: and 4B) s (B13) dor (C1) res along l od Iron (C4 on in Tilleo	xcept Living Roo	<u>S</u>  ots (C3) <u></u> 6) <u></u>	Wate Drair Dry-{ Satu Satu Shall FAC	er-Stained A, and 4B hage Patte Season W ration Visi morphic Po low Aquita -Neutral T	Leaves (B9 ) erns (B10) ater Table (0 ble on Aeria osition (D2) urd (D3) est (D5)	) ( <b>MLRA 1, 2</b> , C2) I Imagery (C9
<b>DROLOG</b> <b>etland Hydr</b> <b>imary Indica</b> _ Surface W _ High Wate _ Saturation _ Water Mar _ Sediment _ Drift Depo _ Algal Mat _ Iron Depo _ Surface S	Fology Indicators: tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) oil Cracks (B6)	one require	ed; check a	Il that apply Water-Stain MLRA 1 Salt Crust of Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Stunted or	() ned Leave (B11) rertebrate Sulfide Oo hizosphe of Reduce n Reduction Stressed	es (B9) (e: and 4B) s (B13) dor (C1) res along dor (C4 on in Tilleo Plants (D	xcept Living Roo	S  ots (C3) 6)	Wate Drair Dry-{ Satu Satu K Geor Shall C FAC Rais	er-Stained A, and 4B nage Patte Season W ration Visi morphic Pe low Aquita -Neutral Te ed Ant Mo	Leaves (B9 erns (B10) ater Table (0 ble on Aeria osition (D2) urd (D3) est (D5) unds (D6) (I	( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>.RR A</b> )
is soil m DROLOG etland Hydr mary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatior	rology Indicators: tors (minimum of o /ater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) isits (B3) or Crust (B4) sits (B5) oil Cracks (B6) n Visible on Aerial I	ne require	ed; check a 	II that apply Water-Stai MLRA 2 Salt Crust of Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron	() ned Leave (B11) rertebrate Sulfide Oo hizosphe of Reduce n Reduction Stressed	es (B9) (e: and 4B) s (B13) dor (C1) res along dor (C4 on in Tilleo Plants (D	xcept Living Roo	S  ots (C3) 6)	Wate Drair Dry-{ Satu Satu K Geor Shall C FAC Rais	er-Stained A, and 4B nage Patte Season W ration Visi morphic Pe low Aquita -Neutral Te ed Ant Mo	Leaves (B9 ) erns (B10) ater Table (0 ble on Aeria osition (D2) urd (D3) est (D5)	( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>.RR A</b> )
is soil m DROLOG etland Hydr mary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatior Sparsely V	FY rology Indicators: tors (minimum of o /ater (A1) er Table (A2) a (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) a Visible on Aerial I /egetated Concave	ne require	ed; check a 	Il that apply Water-Stain MLRA 1 Salt Crust of Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Stunted or	() ned Leave (B11) rertebrate Sulfide Oo hizosphe of Reduce n Reduction Stressed	es (B9) (e: and 4B) s (B13) dor (C1) res along dor (C4 on in Tilleo Plants (D	xcept Living Roo	S  ots (C3) 6)	Wate Drair Dry-{ Satu Satu K Geor Shall C FAC Rais	er-Stained A, and 4B nage Patte Season W ration Visi morphic Pe low Aquita -Neutral Te ed Ant Mo	Leaves (B9 erns (B10) ater Table (0 ble on Aeria osition (D2) urd (D3) est (D5) unds (D6) (I	( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>.RR A</b> )
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DROLOG etland Hydr imary Indica _ Surface W _ High Water _ Saturation _ Water Mar _ Sediment _ Drift Depo _ Algal Mat _ Iron Depo _ Surface S _ Inundation _ Sparsely V eld Observation	Frology Indicators: tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) usits (B3) or Crust (B4) sits (B5) oil Cracks (B6) to Visible on Aerial I /egetated Concave ations: Present? Y	magery (I Surface	ed; check a 	II that apply Water-Stair MLRA 2 Salt Crust of Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (inc	r) ned Leave (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reduction Stressed lain in Re	es (B9) (e: and 4B) s (B13) dor (C1) res along b d Iron (C4 on in Tilleo Plants (D marks)	xcept	S  ots (C3) 6)	Wate Drair Dry-{ Satu Satu K Geor Shall C FAC Rais	er-Stained A, and 4B nage Patte Season W ration Visi morphic Pe low Aquita -Neutral Te ed Ant Mo	Leaves (B9 erns (B10) ater Table (0 ble on Aeria osition (D2) urd (D3) est (D5) unds (D6) (I	( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>.RR A</b> )
DROLOG etland Hydr imary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatior Sparsely V eld Observa urface Water ater Table P	rology Indicators: tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) n Visible on Aerial I /egetated Concave tions: Present? Y	magery (F e Surface fes	ed; check a 	Il that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (inc Depth (inc	() ned Leave (B11) rertebrate Sulfide Oc hizosphe of Reduction Stressed lain in Re ches):	es (B9) (e: and 4B) s (B13) dor (C1) res along dor (C4) on in Tilleo Plants (D marks)	xcept	S	Wate Drair Dry-{ Satu Shall FAC Rais Fros	er-Stained <b>A, and 4B</b> nage Patte Season W ration Visi morphic Pe low Aquita -Neutral Te ed Ant Mo t-Heave H	Leaves (B9 ) erns (B10) ater Table (f ble on Aeria osition (D2) ird (D3) est (D5) unds (D6) (I ummocks (D	) ( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>_RR A</b> ) 7)
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<b>DROLOG Tetland Hydr Setiment Setiment Setiment Drift Depo Algal Mat Iron Depo Algal Mat Iron Depo Surface S Inundation Sparsely V Eld Observa Urface Water Table P Seturation Pre Seturation</b>	FY Fology Indicators: tors (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) n Visible on Aerial I /egetated Concave ations: Present? Y sent? Y	magery (f e Surface es es	ed; check a 	II that apply Water-Stai MLRA 2 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Exp Depth (inc Depth (inc	r) ned Leave (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reducti Stressed lain in Re ches): ches):	es (B9) (e: and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo Plants (D marks)	xcept		Wate Drair Dry-{ Satu Shall FAC Rais Fros Fros	er-Stained <b>A, and 4B</b> nage Patte Season W ration Visi morphic Pe low Aquita -Neutral Te ed Ant Mo t-Heave H	Leaves (B9 ) erns (B10) ater Table (f ble on Aeria osition (D2) ird (D3) est (D5) unds (D6) (I ummocks (D	) ( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>_RR A</b> ) 7)
<b>DROLOG Tetland Hydr Setiment Setiment Setiment Drift Depo Algal Mat Iron Depo Algal Mat Iron Depo Surface S Inundation Sparsely V Eld Observa Urface Water Table P Seturation Pre Seturation</b>	Frology Indicators: tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) ists (B3) or Crust (B4) ists (B5) oil Cracks (B6) to Visible on Aerial I /egetated Concave ations: Present? Y sent? Y lary fringe)	magery (f e Surface es es	ed; check a 	II that apply Water-Stai MLRA 2 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Exp Depth (inc Depth (inc	r) ned Leave (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reducti Stressed lain in Re ches): ches):	es (B9) (e: and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo Plants (D marks)	xcept		Wate Drair Dry-{ Satu Shall FAC Rais Fros Fros	er-Stained <b>A, and 4B</b> nage Patte Season W ration Visi morphic Pe low Aquita -Neutral Te ed Ant Mo t-Heave H	Leaves (B9 ) erns (B10) ater Table (f ble on Aeria osition (D2) ird (D3) est (D5) unds (D6) (I ummocks (D	) ( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>_RR A</b> ) 7)
DROLOG     Vetland Hydr     imary Indica     Surface W     High Wate     Saturation     Water Mai     Sediment     Drift Depo     Algal Mat     Iron Depo     Surface S     Inundatior     Sparsely V     ield Observa     vater Table P     aturation Pre     ncludes capil	Frology Indicators: tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) ists (B3) or Crust (B4) ists (B5) oil Cracks (B6) to Visible on Aerial I /egetated Concave ations: Present? Y sent? Y lary fringe)	magery (f e Surface es es	ed; check a 	II that apply Water-Stai MLRA 2 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Exp Depth (inc Depth (inc	r) ned Leave <b>I, 2, 4A, a</b> (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reduction Stressed lain in Re ches): thes):	es (B9) (e: and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo Plants (D marks)	xcept		Wate Drair Dry-{ Satu Shall FAC Rais Fros Fros	er-Stained <b>A, and 4B</b> nage Patte Season W ration Visi morphic Pe low Aquita -Neutral Te ed Ant Mo t-Heave H	Leaves (B9 ) erns (B10) ater Table (f ble on Aeria osition (D2) ird (D3) est (D5) unds (D6) (I ummocks (D	) ( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>_RR A</b> ) 7)
DROLOG etland Hydr imary Indica Surface W High Water Saturation Water Mar Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatior Sparsely V eld Observa urface Water ater Table P aturation Pre icludes capil escribe Reco	Frology Indicators: tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) ists (B3) or Crust (B4) ists (B5) oil Cracks (B6) to Visible on Aerial I /egetated Concave ations: Present? Y sent? Y lary fringe)	magery (f e Surface es es	ed; check a 	II that apply Water-Stai MLRA 2 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Exp Depth (inc Depth (inc	r) ned Leave <b>I, 2, 4A, a</b> (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reduction Stressed lain in Re ches): thes):	es (B9) (e: and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo Plants (D marks)	xcept		Wate Drair Dry-{ Satu Shall FAC Rais Fros Fros	er-Stained <b>A, and 4B</b> nage Patte Season W ration Visi morphic Pe low Aquita -Neutral Te ed Ant Mo t-Heave H	Leaves (B9 ) erns (B10) ater Table (f ble on Aeria osition (D2) ird (D3) est (D5) unds (D6) (I ummocks (D	) ( <b>MLRA 1, 2</b> , C2) I Imagery (C9 <b>_RR A</b> ) 7)
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Project/Site: Jayne's Parcel	City/County: El Paso		Sampling Date:	2/1/22
Applicant/Owner:		State: CO	Sampling Point:	<u>WT-A18-UP</u> 1
Investigator(s): S. Clark	Section, Township, Range:	S28 and 33, T12S	, R65W	
Landform (hillslope, terrace, etc.): hillslope	Local relief (concave, conve			ope (%): <u>10</u>
	°58'34.00"N Lor	<sub>ig:</sub> - 104°40'33.94"	'W Dat	<sub>um:</sub> 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	v disturbed? Are "Norm	nal Circumstances" p	oresent? Yes x	No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed	, 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:	
Tree Stratum (Plot size: NA ) 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: <u>3</u> (B)	
4(Plot size: <u>NA</u>		_= Total Co		Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/E	3)
1,				Prevalence Index worksheet:	
				Total % Cover of: Multiply by:	
2				OBL species $0$ x 1 = $0$	
3				FACW species $0$ $x = 0$	
4				FAC species $0 \times 3 = 0$	
5				FACU species $27$ $x = 108$	
<u>Herb Stratum</u> (Plot size: <sup>5</sup> ')		= 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		
7 Aristida purpurea	5		UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supportin	na
8 Sporobolus cryptandrus	5		FACU	data in Remarks or on a separate sheet)	iy
9				5 - Wetland Non-Vascular Plants <sup>1</sup>	
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
11				<sup>1</sup> 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	
		= Total Co	ver	Present? Yes <u>No X</u>	
% Bare Ground in Herb Stratum 4					
Remarks:					

# Sampling Point: WT-A18-UP1

			needed to document the		onfirm the absence of indicators.)
Depth	Matrix		Redox Feature	es	
(inches)	Color (moist)		Color (moist) %	Type <sup>1</sup> Lo	oc <sup>2</sup> Texture Remarks
0-41	0YR 2/1	100 _			Coarse sandy Loam
					· · · · · · · · · · · · · · · · · · _ /
1 <u></u>					and Oraina <sup>2</sup> l a attion. DL Dave Linian M Mateix
			Reduced Matrix, CS=Covere RRs, unless otherwise not		and Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
-				eu.)	-
Histosol (A1 Histic Epipe		_	_ Sandy Redox (S5) _ Stripped Matrix (S6)		2 cm Muck (A10) Red Parent Material (TF2)
Black Histic			_ Loamy Mucky Mineral (F	1) (except MLR	
Hydrogen S		_	Loamy Gleyed Matrix (F2	, . <b>.</b>	Other (Explain in Remarks)
	elow Dark Surface	e (A11)	Depleted Matrix (F3)	-,	<u> </u>
	Surface (A12)	( ) _	Redox Dark Surface (F6)	)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucl	ky Mineral (S1)	_	Depleted Dark Surface (F	F7)	wetland hydrology must be present,
	ed Matrix (S4)		_ Redox Depressions (F8)		unless disturbed or problematic.
Restrictive Lay					
<sub>Type:</sub> Froze					
Depth (inche	s): <u>4</u>				Hydric Soil Present? Yes No X
HYDROLOGY	/				
Wetland Hydro	logy Indicators:				
Primary Indicato	ors (minimum of o	no roquirod			
Surface Wa	$tor(\Lambda 1)$	ne required,	check all that apply)		Secondary Indicators (2 or more required)
		<u>ne required,</u>	check all that apply) Water-Stained Leav	ves (B9) ( <b>excep</b>	
High Water	( )	ne required,		· · · ·	
	Table (A2)	<u>ne required,</u>	Water-Stained Leav	· · · ·	water-Stained Leaves (B9) (MLRA 1,
High Water	Table (A2) A3)	ne required,	Water-Stained Leav MLRA 1, 2, 4A,	and 4B)	pt Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
High Water     Baturation (     Water Mark	Table (A2) A3)	<u>ne required.</u>	Water-Stained Leav MLRA 1, 2, 4A, Salt Crust (B11)	and 4B) es (B13)	<pre>pt Water-Stained Leaves (B9) (MLRA 1,</pre>
High Water Saturation ( Water Mark Sediment D Drift Deposi	Table (A2) A3) s (B1) eposits (B2) ts (B3)	<u>ne required.</u>	Water-Stained Leav MLRA 1, 2, 4A, a Salt Crust (B11) Aquatic Invertebrate	and 4B) es (B13) dor (C1)	ot Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (6)
High Water Saturation ( Water Mark Sediment D	Table (A2) A3) s (B1) eposits (B2) ts (B3)	<u>ne required.</u>	Water-Stained Leaven MLRA 1, 2, 4A, 5     Salt Crust (B11)     Aquatic Invertebrate Hydrogen Sulfide O	and 4B) es (B13) dor (C1) eres along Living	by Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3)
High Water Saturation ( Water Mark Sediment D Drift Deposi	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4)	<u>ne required.</u>	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe	and 4B) es (B13) edor (C1) eres along Living ed Iron (C4)	by Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3)
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Surface Soi	Table (A2) A3) s (B1) eposits (B2) ts (B3) c Crust (B4) ts (B5) l Cracks (B6)		Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed	and 4B) es (B13) idor (C1) eres along Living ed Iron (C4) ion in Tilled Soil d Plants (D1) (LI	ot
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat ou Iron Deposi Surface Soi Inundation	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) I Cracks (B6) visible on Aerial In	magery (B7)	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Re	and 4B) es (B13) idor (C1) eres along Living ed Iron (C4) ion in Tilled Soil d Plants (D1) (LI	ot
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Surface Soi Sparsely Ve	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial In egetated Concave	magery (B7)	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Re	and 4B) es (B13) idor (C1) eres along Living ed Iron (C4) ion in Tilled Soil d Plants (D1) (LI	mathematical action       Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Surface Soi Field Observat	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial In egetated Concave	magery (B7) Surface (B8	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Re	and 4B) es (B13) dor (C1) eres along Living ed Iron (C4) ion in Tilled Soil I Plants (D1) (LI emarks)	mathematical action       Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Surface Soi	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial In egetated Concave ions: Present? Ye	magery (B7) Surface (B8	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Re	and 4B) es (B13) dor (C1) eres along Living ed Iron (C4) ion in Tilled Soil d Plants (D1) (Li emarks)	mathematical action       Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Surface Soi Field Observat	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial In egetated Concave ions: Present? Ye	magery (B7) Surface (B8	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Re	and 4B) es (B13) dor (C1) eres along Living ed Iron (C4) ion in Tilled Soil d Plants (D1) (Li emarks)	ot
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Surface Soi Field Observati Surface Water F Water Table Press	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) l Cracks (B6) Visible on Aerial In egetated Concave tons: Present? Ye esent? Ye	magery (B7) Surface (B8 es No es No	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Re	and 4B) es (B13) idor (C1) eres along Living ed Iron (C4) ion in Tilled Soil d Plants (D1) (Lf emarks)	mathematical action       Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Uron Deposi Surface Soi Surface Soi Surface Vater F Water Table Pres (includes capilla	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) l Cracks (B6) Visible on Aerial In egetated Concave ions: Present? Ye esent? Ye ent? Ye	magery (B7) Surface (B8 es No es No es No	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Ref Depth (inches): Dex Depth (inches):	and 4B) es (B13) idor (C1) eres along Living ed Iron (C4) ion in Tilled Soil d Plants (D1) (LF emarks)	water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Saturation Visible on Aerial Imagery (Market 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Surface Soi Field Observati Surface Water F Water Table Pres (includes capilla	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) l Cracks (B6) Visible on Aerial In egetated Concave ions: Present? Ye esent? Ye ent? Ye	magery (B7) Surface (B8 es No es No es No	Water-Stained Leaven MLRA 1, 2, 4A, 3     MLRA 1, 2, 4A, 3     Salt Crust (B11)     Aquatic Invertebrated     Hydrogen Sulfide O     Oxidized Rhizosphe     Presence of Reduce     Recent Iron Reduct     Stunted or Stressed     Other (Explain in Reduct     Depth (inches):     Depth (inches):	and 4B) es (B13) idor (C1) eres along Living ed Iron (C4) ion in Tilled Soil d Plants (D1) (LF emarks)	water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Saturation Visible on Aerial Imagery (Market 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Inundation Field Observati Surface Water F Water Table Prese (includes capilla Describe Record	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) l Cracks (B6) Visible on Aerial In egetated Concave ions: Present? Ye esent? Ye ent? Ye	magery (B7) Surface (B8 es No es No es No	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Ref Depth (inches): Dex Depth (inches):	and 4B) es (B13) idor (C1) eres along Living ed Iron (C4) ion in Tilled Soil d Plants (D1) (LF emarks)	water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Saturation Visible on Aerial Imagery (Market 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Inundation Field Observati Surface Water F Water Table Prese (includes capilla Describe Record Remarks:	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial In egetated Concave fons: Present? Ye ent? Ye ent? Ye of ry fringe) ded Data (stream	magery (B7) s Surface (B8 es No es No gauge, mon	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Re Other (Explain in Re Po_x Depth (inches): D_x Depth (inches): Depth (inches): toring well, aerial photos, presence of the statement of the stateme	and 4B) es (B13) bdor (C1) eres along Living ed Iron (C4) ion in Tilled Soil Plants (D1) (Li emarks)	ot
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Inundation Field Observati Surface Water F Water Table Prese (includes capilla Describe Record Remarks:	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial In egetated Concave fons: Present? Ye ent? Ye ent? Ye of ry fringe) ded Data (stream	magery (B7) s Surface (B8 es No es No gauge, mon	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Ref Depth (inches): Dex Depth (inches):	and 4B) es (B13) bdor (C1) eres along Living ed Iron (C4) ion in Tilled Soil Plants (D1) (Li emarks)	ot
High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Inundation Field Observati Surface Water F Water Table Prese (includes capilla Describe Record Remarks:	Table (A2) A3) s (B1) eposits (B2) ts (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial In egetated Concave fons: Present? Ye ent? Ye ent? Ye of ry fringe) ded Data (stream	magery (B7) s Surface (B8 es No es No gauge, mon	Water-Stained Leav MLRA 1, 2, 4A, 4 Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reduct Stunted or Stressed Other (Explain in Re Other (Explain in Re Po_x Depth (inches): D_x Depth (inches): Depth (inches): toring well, aerial photos, presence of the statement of the stateme	and 4B) es (B13) bdor (C1) eres along Living ed Iron (C4) ion in Tilled Soil Plants (D1) (Li emarks)	ot

I

Project/Site: Jayne's Parcel	City/County: El Pa	ISO	Sampling Date: 2/1	/22
Applicant/Owner:		State: CO	Sampling Point: W	<u>T-A18-W</u> T1
Investigator(s): S. Clark	Section, Township	, <sub>Range:</sub> <u>S28 and 33, T12</u>	2S, R65W	
Landform (hillslope, terrace, etc.): swale		ave, convex, none): <u>concav</u>		(%): 5
Subregion (LRR): E	Lat: <u>38°58'34.17"N</u>	Long: -104°40'34.34	1"W Datum:	WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slop	Des	NWI classi	fication: None	
Are climatic / hydrologic conditions on the site typical for this t	ime of year? Yes X	lo (If no, explain in	Remarks.)	
Are Vegetation, Soil, or Hydrology sig	nificantly disturbed?	Are "Normal Circumstances	" present? Yes X	No
Are Vegetation, Soil, or Hydrology na	turally problematic? (	If needed, explain any answ	vers in Remarks.)	
SUMMARY OF EINDINGS Attach aita man a	howing compling noi	nt locations transport	te important foat	uros oto

#### 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 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 x 1 =	
3				FACW species <u>110</u> x 2 = <u>220</u>	
4				FAC species x 3 =	
5				FACU species x 4 =	
5'		= Total Co	over	UPL species         x 5 =	
<u>Herb Stratum</u> (Plot size: <u>5'</u> ) 1 Juncus arcticus	90	v		Column Totals: 110 (A) 220 (B)	
	- 90	<u>x</u>	FAC		
2. Carex sp.			FAC\	Prevalence Index = B/A = 2	
3				Hydrophytic Vegetation Indicators:	
4				<u>×</u> 1 - Rapid Test for Hydrophytic Vegetation	
5				<u>×</u> 2 - Dominance Test is >50%	
6				<b>_x</b> 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting	g
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants <sup>1</sup>	
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
11				<sup>1</sup> Indicators of hydric soil and wetland hydrology must	
	110	= Total Co	ver	be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size: <u>NA</u> )					
1				Hydrophytic	
2				Vegetation	
% Bare Ground in Herb Stratum 0		= Total Co		Present? Yes X No	
Remarks <sup>.</sup>				1	

### SOIL

# Sampling Point: WT-A18-WT1

Profile Desc	cription: (Describe	to the dep	oth needed to docu	ment the	indicator	or confirm	n the absence	e of indicators.)
Depth	Matrix			ox Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	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	С	M/PL	Sandy Clay Lo	bam
				_				
							·	
<sup>1</sup> Type: C=C	oncentration. D=Der	 pletion. RM	=Reduced Matrix, C	 S=Covere	d or Coate	ed Sand G	irains. <sup>2</sup> Lo	cation: PL=Pore Lining, M=Matrix.
			LRRs, unless othe					ors for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Redox (					m Muck (A10)
	pipedon (A2)		Stripped Matrix					d Parent Material (TF2)
	istic (A3)		Loamy Mucky	. ,	1) ( <b>excep</b>	t MLRA 1		y Shallow Dark Surface (TF12)
	en Sulfide (A4)		Loamy Gleyed	•			,	ner (Explain in Remarks)
Deplete	d Below Dark Surfac	æ (A11)	Depleted Matri	x (F3)				
	ark Surface (A12)		× Redox Dark Su					ors of hydrophytic vegetation and
	Aucky Mineral (S1)		Depleted Dark		=7)			and hydrology must be present,
	Gleyed Matrix (S4)		Redox Depress	sions (F8)			unle	ss disturbed or problematic.
	Layer (if present):							
Type: fro								×
Depth (in	ches): <u>18</u>						Hydric Soi	I Present? Yes X No
Remarks:								
HYDROLO								
-	drology Indicators:		d; check all that app	ba)			Soco	ndary Indicators (2 or more required)
								· · · · ·
	Water (A1)		Water-Sta			except	\	Water-Stained Leaves (B9) (MLRA 1, 2,
-	ater Table (A2)			1, 2, 4A, a	and 4B)		r	4A, and 4B)
Saturati	( )		Salt Crust	· · /				Drainage Patterns (B10)
	larks (B1)		Aquatic In		. ,			Dry-Season Water Table (C2)
	nt Deposits (B2)		Hydrogen			Linda D		Saturation Visible on Aerial Imagery (C9)
	posits (B3)		X Oxidized	•	-	-	• • —	Geomorphic Position (D2)
-	at or Crust (B4)				ed Iron (C	,		Shallow Aquitard (D3)
-	posits (B5)		Recent Iro					FAC-Neutral Test (D5)
	Soil Cracks (B6)		Stunted o			( <b>LRR A</b>		Raised Ant Mounds (D6) ( <b>LRR A</b> )
	on Visible on Aerial			piain in Re	emarks)		F	Frost-Heave Hummocks (D7)
	y Vegetated Concav	e Surrace (	B0)					
Field Obser		/						
Surface Wat			No × Depth (in					
Water Table			No x Depth (in					~
Saturation P		′es	No x Depth (in	iches):		Wet	land Hydrolog	gy Present? Yes X No
	pillary fringe) corded Data (stream		onitoring well, aerial	nhotos n	revious ins	pections)	if available.	
Desende I/C		, gauge, m	ontoning wen, aeriar	priotos, pi		ροσιοπο),		
Domortics								
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	<sub>Lat:</sub> <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	bes	NWI classif	cation: None
Are climatic / hydrologic conditions on the site typical for this t	ime of year? Yes x	_ No (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology sig	nificantly disturbed?	Are "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology nat	turally 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 X No X No X	Is the Sampled Area within a Wetland?	Yes	No <u>X</u>
Remarks:					

#### **VEGETATION – Use scientific names of plants.**

NA	Absolute	Dominant	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 $\underline{0}$ x 1 = $\underline{0}$
3				FACW species $\frac{0}{x 2} = \frac{0}{x}$
4				FAC species $2$ x 3 = $6$
5				
		= Total Co	over	$\begin{array}{c} \text{FACU species}  \underline{\underline{}} \\ x 4 = \underline{\underline{}} \\ x 4 = \underline{\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$
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	Prevalence Index = $B/A = 4.18$
3 Andropogon gerardii	40	x	FACU	Hydrophytic Vegetation Indicators:
<sup>4</sup> Cirsium arvense	2		FAC	
····			·	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 <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	102	= Total Co		be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA )		<u>= 10tal Co</u>	ver	
1				Hydrophytic
2			·	Vegetation Present? Yes No _X
		= Total Co	ver	
% Bare Ground in Herb Stratum 0				
Remarks:				

Depth (inches)       Matrix Color (moist)       Redox Features         0-1       10YR 2/1       100       %       Type1       Loc2         0-1       10YR 2/1       100       %       Type1       Loc2	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2)
Image:	Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.         Indicators for Problematic Hydric Soils <sup>3</sup> :         2 cm Muck (A10)         Red Parent Material (TF2)         )       Very Shallow Dark Surface (TF12)         Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Histosol (A1)       Sandy Redox (S5)         Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	<ul> <li>2 cm Muck (A10)</li> <li>Red Parent Material (TF2)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
Histic Epipedon (A2)       Stripped Matrix (S6)         Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	<ul> <li>Red Parent Material (TF2)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)         Restrictive Layer (if present):       Estimation	) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)         Restrictive Layer (if present):       Estimation	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)         Restrictive Layer (if present):       Depleted Dark Surface (F7)	
Thick Dark Surface (A12)      Redox Dark Surface (F6)        Sandy Mucky Mineral (S1)      Depleted Dark Surface (F7)        Sandy Gleyed Matrix (S4)      Redox Depressions (F8)         Restrictive Layer (if present):	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)         Restrictive Layer (if present):	
Restrictive Layer (if present):	wetland hydrology must be present,
	unless disturbed or problematic.
- Frozen	
Type: Frozen	
Depth (inches): 7	Hydric Soil Present? Yes No X
YDROLOGY	
Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1) Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)         MLRA 1, 2, 4A, and 4B)           Saturation (A3)         Salt Crust (B11)	<b>4A, and 4B)</b> <u> </u>
,	
_ Water Marks (B1) Aquatic Invertebrates (B13) _ Sediment Deposits (B2) Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9
	bots (C3) Geomorphic Position (D2)
Algal Mat or Crust (B4) Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C	
Not Deposits (D5)	· _ · · ·
Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)	
ield Observations:	
surface Water Present? Yes No _x _ Depth (inches):	
Vater Table Present?         Yes         No _x         Depth (inches):	
	tland Hydrology Present? Yes No _ <sup>X</sup>
Saturation Present? Yes <u>No x</u> Depth (inches): <u>Wet</u> includes capillary fringe)	
Saturation Present? Yes <u>No x</u> Depth (inches): <u>Wet</u> includes capillary fringe)	, if available:
	), if available:
Saturation Present?       Yes Nox Depth (inches): Wet         includes capillary fringe)	), if available:
Saturation Present?       Yes Nox       Depth (inches):       Wet         includes capillary fringe)	), if available:

Project/Site: Jayne's Parcel	City/County: El I	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 (%): <u>7</u>
Subregion (LRR): E		Long: - 104°40'30.34	"W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slo	opes	NWI classif	<sub>cation:</sub> <u>None</u>
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 answ	ers in Remarks.)
CUMMARY OF FINDINGS Attach site man	abowing compling p	aint 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 <u>X</u> Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes X	No
Remarks:					

#### **VEGETATION – Use scientific names of plants.**

NIA	Absolute		Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: NA)	% Cover	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: <u>1</u> (B)	)
4			·	Percent of Dominant Species	
NA		= 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 $0$ x 1 = $0$	
3				FACW species $\frac{60}{x 2} = \frac{120}{x}$	
4			·	FAC species $\frac{27}{x3} = \frac{81}{x3}$	
5					
		= Total Co	wer		
Herb Stratum (Plot size: 5')				UPL species $0   x 5 = 0$	
Juncus arcticus	60	х	FACW	Column Totals: <u>107</u> (A) <u>281</u> (B	B)
2. Rumex crispus	2		FAC	Prevalence Index = $B/A = 2.63$	
3 Achillea millefolium	10		FACU	Hydrophytic Vegetation Indicators:	
4 Pascopyrum smithii	10		FACU		
5 Elymus trachycaulus	5		FAC	<u>×</u> 1 - Rapid Test for Hydrophytic Vegetation	
···				<u>x</u> 2 - Dominance Test is >50%	
6. Agrostis cf. gigantea	20		FAC	<u>x</u> 3 - Prevalence Index is $\leq 3.0^{1}$	
7				4 - Morphological Adaptations <sup>1</sup> (Provide support	ting
8				data in Remarks or on a separate sheet)	0
9				5 - Wetland Non-Vascular Plants <sup>1</sup>	
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
11.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must	t
	107	= Total Co		be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size: NA )		- 10tal C0	vei		
1			·	Hydrophytic	
2			·	Vegetation Present? Yes X No	
		= Total Co	ver		
% Bare Ground in Herb Stratum _0					
Remarks:					

# Sampling Point: WT-A30-WT1

Depth	Matrix Color (moint)	%	Color		<u>K Features</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Tout	~		Domorko	
( <u>inches)</u> 0-1	Color (moist) 10YR 2/1	100	<u> </u>	r (moist)		Туре		<u>Textu</u>			Remarks	
	101112/1						S	andy loa	m with a sand	i seam		
					<u> </u>		<u> </u>					
							<u> </u>					
						·						
	centration, D=Dep						Sand Grai		<sup>2</sup> Location: F			
-	dicators: (Applic	able to all				.)			icators for P		atic Hydrid	; 50115 :
Histosol (/ Histic Enir	bedon (A2)			idy Redox (S pped Matrix	,				2 cm Muck ( Red Parent			
Black Hist				my Mucky M		(excent			Very Shallo			(12)
	Sulfide (A4)			my Gleyed I		(except			Other (Expla			12)
	Below Dark Surfac	æ (A11)		leted Matrix				—				
	k Surface (A12)	. /	- '	lox Dark Sur	( )			<sup>3</sup> Inc	licators of hyd	drophyti	c vegetatio	n and
Sandy Mu	cky Mineral (S1)		Dep	leted Dark S	Surface (F7)	)		١	wetland hydro	ology m	ust be pres	ent,
	eyed Matrix (S4)		Rec	lox Depress	ions (F8)				unless disturb	oed or p	roblematic.	
	yer (if present):											
Type: Froz											v	
Depth (inch	ies): <u>2</u>							Hydric	Soil Presen	t? Ye	s X	No
	ay be simila	r to DP	9-1 and	l meet th	ne F6 hy	/dric s	oil indic	cator.				
/DROLOG	ïΥ		P-1 and	l meet th	ne F6 hy	/dric s	oil indic	cator.				
<b>/DROLOG</b> Vetland Hydr	Y ology Indicators:					/dric s	oil indic				(0	
<b>DROLOG</b> /etland Hydr rimary Indica	iY ology Indicators: tors (minimum of c			all that apply	/)				Secondary Inc			
<b>/DROLOG</b> /etland Hydr rimary Indica Surface W	SY ology Indicators: tors (minimum of c /ater (A1)			all that apply	/) ned Leaves	; (B9) ( <b>ex</b>			Water-Sta	ained Le		<u>required)</u> (MLRA 1, 2,
<b>DROLOG</b> Tetland Hydr rimary Indica Surface W High Wate	iY ology Indicators: tors (minimum of c /ater (A1) er Table (A2)			<u>all that apply</u> Water-Stai <b>MLRA</b>	/) ned Leaves 1, 2, 4A, and	; (B9) ( <b>ex</b>			Water-Sta 4A, an	ained Le 1 <b>d 4B)</b>	eaves (B9)	
<b>DROLOG</b> <b>Tetland Hydr</b> <u>rimary Indica</u> _ Surface W _ High Wate _ Saturation	<b>Sology Indicators</b> tors (minimum of c /ater (A1) er Table (A2) (A3)			<u>all that apply</u> Water-Stai <b>MLRA</b>	/) ned Leaves <b>1, 2, 4A, an</b> (B11)	; (B9) ( <b>ex</b> d <b>4B)</b>		<u>_</u>	Water-Sta <b>4A, ar</b> Drainage	ained Le <b>id 4B)</b> Pattern	eaves (B9) s (B10)	(MLRA 1, 2,
<b>/DROLOG</b> /etland Hydr rimary Indica Surface W High Wate Saturatior Water Ma	<b>ology Indicators</b> tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1)			<u>all that apply</u> Water-Stai <b>MLRA</b> Salt Crust Aquatic Inv	/) ned Leaves <b>1, 2, 4A, an</b> (B11) vertebrates (	: (B9) ( <b>ex</b> <b>d 4B)</b> (B13)		<u>_</u>	Water-Sta <b>4A, an</b> Drainage Dry-Seas	ained Le <b>id 4B)</b> Pattern on Wate	eaves (B9) s (B10) er Table (C	( <b>MLRA 1, 2</b> , 2)
<b>/DROLOG</b> /etland Hydr rimary Indica Surface W High Wate Saturatior Water Ma Sediment	<b>ology Indicators</b> tors (minimum of c /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2)			all that apply Water-Stai <b>MLRA</b> Salt Crust Aquatic Inv Hydrogen	() ned Leaves <b>1, 2, 4A, an</b> (B11) rertebrates ( Sulfide Odo	; (B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1)	cept	<u>\$</u> 	Water-Sta 4A, an Drainage Dry-Seas Saturation	ained Le <b>Id 4B)</b> Pattern on Wate n Visible	eaves (B9) s (B10) er Table (C e on Aerial I	( <b>MLRA 1, 2</b> ,
<b>/DROLOG</b> <b>/etland Hydr</b> rimary Indica Surface W High Wate Saturatior Water Ma Sediment Drift Depo	<b>SY</b> <b>ology Indicators:</b> tors (minimum of c /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3)			all that apply Water-Stai <b>MLRA</b> Salt Crust Aquatic Inv Hydrogen Oxidized R	/) ned Leaves <b>1, 2, 4A, an</b> (B11) vertebrates ( Sulfide Odo chizosphere:	; (B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1) s along L	cept iving Roots	<u>5</u>  s (C3)	Water-Sta 4A, an Drainage Dry-Seas Saturation X Geomorp	ained Le <b>nd 4B)</b> Pattern on Wate n Visible hic Posi	eaves (B9) s (B10) er Table (C e on Aerial l ition (D2)	( <b>MLRA 1, 2</b> ,
<b>/DROLOG</b> <b>/etland Hydr</b> <u>rimary Indica</u> Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat	<b>iY</b> <b>ology Indicators:</b> <u>tors (minimum of c</u> /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4)			all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o	/) ned Leaves <b>1, 2, 4A, an</b> (B11) vertebrates ( Sulfide Odo vhizosphere: of Reduced	: (B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1) s along L Iron (C4)	cept iving Roots	<u>5</u>  s (C3)	Water-Sta 4A, an Drainage Dry-Seas Saturation X Geomorp Shallow A	ained Le nd 4B) Pattern on Wate n Visible hic Posi	s (B10) er Table (C. e on Aerial I ition (D2) (D3)	( <b>MLRA 1, 2</b> ,
YDROLOG Vetland Hydr Inimary Indica Surface W High Wate Saturation Water Ma Sediment Sediment Drift Depo Algal Mat Iron Depo	FY rology Indicators: tors (minimum of c /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)			all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iro	/) ned Leaves <b>1, 2, 4A, an</b> (B11) vertebrates ( Sulfide Odo hizosphere: of Reduced n Reduction	(B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1) s along L Iron (C4) i in Tilled	cept iving Roots Soils (C6)	<u>s</u> (C3)	Water-Sta 4A, an Drainage Dry-Seas Saturation X Geomorp Shallow A FAC-Neu	ained Le <b>nd 4B)</b> Pattern on Wate n Visible hic Posi Aquitard tral Tes	s (B10) er Table (C. e on Aerial ition (D2) (D3) t (D5)	( <b>MLRA 1, 2,</b> 2) magery (C9)
YDROLOG Vetland Hydr Inimary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S	ology Indicators: tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6)	: one require	<u>:d; check</u> 	all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iro	() ned Leaves <b>1, 2, 4A, an</b> (B11) vertebrates ( Sulfide Odo chizosphere: of Reduced n Reduction Stressed P	; (B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1) s along L Iron (C4) i in Tilled lants (D1	cept iving Roots Soils (C6)	s (C3)	Water-Sta 4A, an Drainage Dry-Seas Saturation X Geomorp Shallow A	ained Le <b>Id 4B)</b> Pattern on Wate n Visible hic Posi Aquitard tral Tes nt Moun	eaves (B9) s (B10) er Table (C. e on Aerial ition (D2) (D3) t (D5) ids (D6) (LI	(MLRA 1, 2, 2) magery (C9) RR A)
PROLOG     /etland Hydr     rimary Indica     Surface W     High Wate     Saturatior     Water Ma     Sediment     Drift Depo     Algal Mat     Iron Depo     Surface S     Inundatior	FY rology Indicators: tors (minimum of c /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)	ne require	<u>ed; check</u>	all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Stunted or	() ned Leaves <b>1, 2, 4A, an</b> (B11) vertebrates ( Sulfide Odo chizosphere: of Reduced n Reduction Stressed P	; (B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1) s along L Iron (C4) i in Tilled lants (D1	cept iving Roots Soils (C6)	s (C3)	Water-Sta 4A, an Drainage Dry-Seas Saturation Ceomorp Shallow A FAC-Neu Raised A	ained Le <b>Id 4B)</b> Pattern on Wate n Visible hic Posi Aquitard tral Tes nt Moun	eaves (B9) s (B10) er Table (C. e on Aerial ition (D2) (D3) t (D5) ids (D6) (LI	(MLRA 1, 2, 2) magery (C9) RR A)
DROLOG     /etland Hydr rimary Indica     Surface W     High Wate     Saturatior     Water Ma     Sediment     Drift Depo     Algal Mat     Iron Depo     Surface S     Inundatior     Sparsely V	ology Indicators: tors (minimum of c /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) n Visible on Aerial /egetated Concav	ne require	<u>ed; check</u>	all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Stunted or	() ned Leaves <b>1, 2, 4A, an</b> (B11) vertebrates ( Sulfide Odo chizosphere: of Reduced n Reduction Stressed P	; (B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1) s along L Iron (C4) i in Tilled lants (D1	cept iving Roots Soils (C6)	s (C3)	Water-Sta 4A, an Drainage Dry-Seas Saturation Ceomorp Shallow A FAC-Neu Raised A	ained Le <b>Id 4B)</b> Pattern on Wate n Visible hic Posi Aquitard tral Tes nt Moun	eaves (B9) s (B10) er Table (C. e on Aerial ition (D2) (D3) t (D5) ids (D6) (LI	(MLRA 1, 2, 2) magery (C9) RR A)
PROLOG     Auformation     Surface W     High Wate     Saturation     Water Ma     Sediment     Drift Depo     Algal Mat     Iron Depo     Surface S     Inundation     Sparsely W	iY ology Indicators: tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) oil Cracks (B6) o Visible on Aerial /egetated Concav ttions:	one require	ed; check	all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Stunted or	/) ned Leaves <b>1, 2, 4A, an</b> (B11) vertebrates ( Sulfide Odo thizosphere: of Reduced n Reduction Stressed Pi lain in Rem	: (B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1) s along L lron (C4) i in Tilled lants (D1 arks)	cept iving Roots Soils (C6) ) (LRR A)	s (C3)	Water-Sta 4A, an Drainage Dry-Seas Saturation Ceomorp Shallow A FAC-Neu Raised A	ained Le <b>Id 4B)</b> Pattern on Wate n Visible hic Posi Aquitard tral Tes nt Moun	eaves (B9) s (B10) er Table (C. e on Aerial ition (D2) (D3) t (D5) ids (D6) (LI	(MLRA 1, 2, 2) magery (C9) RR A)
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YDROLOG     Vetland Hydr     Indica     Surface W     High Wate     Saturatior     Water Ma     Sediment     Drift Depo     Algal Mat     Iron Depo     Surface S     Inundatior     Sparsely ield Observa	ology Indicators: tors (minimum of of /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) oil Cracks (B6) oil Visible on Aerial /egetated Concav ations: Present?	Imagery (B e Surface ( ′es	ed; check 	all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o Recent Iron Stunted or Other (Exp	/) ned Leaves <b>1, 2, 4A, an</b> (B11) vertebrates ( Sulfide Odo chizosphere: of Reduced n Reduction Stressed Pi lain in Rem ches): ches):	(B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1) s along L Iron (C4) i in Tilled lants (D1 arks)	cept Soils (C6) ) (LRR A)	s (C3)	Water-Sta 4A, an Drainage Dry-Seas Saturation Ceomorp Shallow A FAC-Neu Raised A	ained Le <b>nd 4B)</b> Pattern on Wate n Visible hic Posi Aquitard tral Tes nt Moun ave Hun	eaves (B9) s (B10) er Table (C. e on Aerial ition (D2) (D3) t (D5) ids (D6) (LI nmocks (D7	(MLRA 1, 2, 2) magery (C9) RR A) 7)
YDROLOG  Vetland Hydr  Trimary Indica  Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatior Sparsely V ield Observa Aurface Water Vater Table P isturation Pre ncludes capil	iY rology Indicators: tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) tisble on Aerial /egetated Concav ations: Present? sent? lary fringe)	Imagery (B e Surface ( 'es 'es	ed; check	all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (ino Depth (ino	() ned Leaves 1, 2, 4A, and (B11) vertebrates ( Sulfide Odo thizosphere: of Reduced n Reduction Stressed Pi lain in Rem ches): ches): ches):	(B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1) s along L lron (C4) i in Tilled lants (D1 arks)	cept Soils (C6) ) (LRR A)	s (C3)	Water-Sta 4A, an Drainage Dry-Seas Saturation Shallow A FAC-Neu Raised An Frost-Hea	ained Le <b>nd 4B)</b> Pattern on Wate n Visible hic Posi Aquitard tral Tes nt Moun ave Hun	eaves (B9) s (B10) er Table (C. e on Aerial ition (D2) (D3) t (D5) ids (D6) (LI nmocks (D7	(MLRA 1, 2, 2) magery (C9 RR A) 7)
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YDROLOG Vetland Hydr Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely V Vater Table P Saturation Pre ncludes capil	iY rology Indicators: tors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) tisble on Aerial /egetated Concav ations: Present? sent? lary fringe)	Imagery (B e Surface ( 'es 'es	ed; check	all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (ino Depth (ino	() ned Leaves 1, 2, 4A, and (B11) vertebrates ( Sulfide Odo thizosphere: of Reduced n Reduction Stressed Pi lain in Rem ches): ches): ches):	(B9) ( <b>ex</b> <b>d 4B)</b> (B13) r (C1) s along L lron (C4) i in Tilled lants (D1 arks)	cept Soils (C6) ) (LRR A)	s (C3)	Water-Sta 4A, an Drainage Dry-Seas Saturation Shallow A FAC-Neu Raised An Frost-Hea	ained Le <b>nd 4B)</b> Pattern on Wate n Visible hic Posi Aquitard tral Tes nt Moun ave Hun	eaves (B9) s (B10) er Table (C. e on Aerial ition (D2) (D3) t (D5) ids (D6) (LI nmocks (D7	(MLRA 1, 2, 2) magery (C9) RR A) 7)
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Project/Site: Jayne's Parcel	City/County: E	l Paso	Sampling	g Date: <u>2/1/22</u>
Applicant/Owner:		State: CO		g <sub>Point:</sub> WT-A33-UP1
Investigator(s): S. Clark	Section, Town	ship, Range: <u>S28</u> and 33, T	12S, R65W	
Landform (hillslope, terrace, etc.): hillslope		oncave, convex, none): <u>conc</u>		Slope (%): <u>5</u>
	38°58'22.79"N	Long: - 104°40'24	l.10"W	Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slopes		NWI cla	ssification: No	ne
Are climatic / hydrologic conditions on the site typical for this time o	f year? Yes <u>X</u>	No (If no, explain	in Remarks.)	
Are Vegetation, Soil, or Hydrology signification	ntly disturbed?	Are "Normal Circumstanc	es" present?	Yes <u>×</u> No
Are Vegetation, Soil, or Hydrology naturally	problematic?	(If needed, explain any ar	nswers in Rem	arks.)
		• • • • •		<b>.</b>

#### 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)	<u>% Cover</u>	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				$\overline{\text{OBL species } \underbrace{0}_{x 1 = 0}}$
3		. <u> </u>		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 $\frac{32}{32}$ x 5 = $\frac{160}{32}$
<sub>1.</sub> Centaurea 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 <sup>1</sup>
8. Artemisia frigida	- 2		UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
g. Elymus elymoides			FACU	5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> 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:				

Texture       Remarks         Fine sandy loam
Fine sandy loam         Fine sandy loam         Grains.       2         Location:       PL=Pore Lining, M=Matrix.         Indicators for Problematic Hydric Soils <sup>3</sup> :        2 cm Muck (A10)        2 cm Material (TF2)
Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2)
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2 cm Muck (A10) Red Parent Material (TF2)
Red Parent Material (TF2)
· _ · · · ·
Other (Explain in Remarks)
<sup>3</sup> Indicators of hydrophytic vegetation and
wetland hydrology must be present,
unless disturbed or problematic.
Hydric Soil Present? Yes No X
Hydric Soil Present? Yes No _^
Secondary Indicators (2 or more required)
Water-Stained Leaves (B9) (MLRA 1, 2,
4A, and 4B)
Drainage Patterns (B10)
Dry-Season Water Table (C2)
Saturation Visible on Aerial Imagery (C9
oots (C3) Geomorphic Position (D2)
Shallow Aquitard (D3)
C6) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Shallow Aquitard (D3)           C6)         FAC-Neutral Test (D5)           A)         Raised Ant Mounds (D6) (LRR A)
C6) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Shallow Aquitard (D3)           C6)         FAC-Neutral Test (D5)           A)         Raised Ant Mounds (D6) (LRR A)
Shallow Aquitard (D3)           C6)         FAC-Neutral Test (D5)           A)         Raised Ant Mounds (D6) (LRR A)
Shallow Aquitard (D3)           C6)         FAC-Neutral Test (D5)           A)         Raised Ant Mounds (D6) (LRR A)
<ul> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
Shallow Aquitard (D3)           C6)         FAC-Neutral Test (D5)           A)         Raised Ant Mounds (D6) (LRR A)
Shallow Aquitard (D3)     FAC-Neutral Test (D5)     A) Raised Ant Mounds (D6) (LRR A)     Frost-Heave Hummocks (D7)  etland Hydrology Present? Yes No _X
<ul> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
Shallow Aquitard (D3)     FAC-Neutral Test (D5)     A) Raised Ant Mounds (D6) (LRR A)     Frost-Heave Hummocks (D7)  etland Hydrology Present? Yes No _X
Shallow Aquitard (D3)     FAC-Neutral Test (D5)     A) Raised Ant Mounds (D6) (LRR A)     Frost-Heave Hummocks (D7)  etland Hydrology Present? Yes No _X
Shallow Aquitard (D3)     FAC-Neutral Test (D5)     A) Raised Ant Mounds (D6) (LRR A)     Frost-Heave Hummocks (D7)  etland Hydrology Present? Yes NoX
Shallow Aquitard (D3)     FAC-Neutral Test (D5)     A)     Raised Ant Mounds (D6) (LRR A)     Frost-Heave Hummocks (D7)  etland Hydrology Present? Yes No _X
((

Project/Site: Jayne's Parcel	City/County: El Pase	D	_ Sampling Date: 2/1/22
Applicant/Owner:		State: CO	_ Sampling Point: WT-A33-WT1
Investigator(s): S. Clark	Section, Township, F	Range: <u>S28 and 33, T12</u>	S, R65W
Landform (hillslope, terrace, etc.): swale			Slope (%): 0
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% slop	bes	NWI classif	ication: None
Are climatic / hydrologic conditions on the site typical for this	ime of year? Yes X No	(If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology sig	nificantly disturbed? Ar	e "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology na	turally problematic? (If	needed, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS Attach site man a	howing compling point	locationa transact	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 X	No
Remarks:					

#### **VEGETATION – Use scientific names of plants.**

ΝΔ	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: NA)	% Cover			Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Deminent
3				Total Number of Dominant         Species Across All Strata:         1         (B)
4				Percent of Dominant Species
ΝΔ		= Total Co	over	That Are OBL, FACW, or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size: NA )				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				
3				OBL species $\frac{0}{20}$ x 1 = $\frac{0}{100}$
				FACW species $\frac{90}{x 2} = \frac{180}{x}$
4				FAC species $\frac{10}{x 3} = \frac{30}{x 3}$
5				FACU species $\frac{2}{x 4} = \frac{8}{x}$
<b></b>		= Total Co	over	· · · · · · · · · · · · · · · · · · ·
Herb Stratum (Plot size: 5' )				UPL species x 5 =
<sub>1.</sub> Juncus arcticus	90	Х	FAC₩	Column Totals: <u>102</u> (A) <u>218</u> (B)
2. Verbascum thapsus	2		FACU	Prevalence Index = $B/A = 2.14$
3. Cirsium arvense	10		FAC	
				Hydrophytic Vegetation Indicators:
4				<u>x</u> 1 - Rapid Test for Hydrophytic Vegetation
5				<u>×</u> 2 - Dominance Test is >50%
6				<u>x</u> 3 - Prevalence Index is ≤3.0 <sup>1</sup>
7			. <u> </u>	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
11				be present, unless disturbed or problematic.
ΝΔ	102	= 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		<u> </u>	VCI	
Remarks:				1

## Sampling Point: \_\_\_\_\_\_

Profile Desc	cription: (Describe	to the dep	oth needed	to docu	ment the i	ndicator	or confirn	n the abs	ence of	findicators.)
Depth	Matrix				x Feature		. 2			<b>-</b> .
<u>(inches)</u> 0-4	Color (moist) 10YR 2/1	<u>%</u>	Color (	moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textu		Remarks
0-4	1018 2/1							Sandy Lo	am	
							<u> </u>			
								_		
							<u> </u>			
<sup>1</sup> Type: C=C	oncentration, D=De	– – – – – – – – – – – – – – – – – – –	=Reduced	Matrix C		d or Coate	ed Sand G	rains	<sup>2</sup> Locat	ion: PL=Pore Lining, M=Matrix.
	Indicators: (Applie									for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sand			,				Juck (A10)
	pipedon (A2)			ed Matrix						arent Material (TF2)
	istic (A3)				. ,	1) (except	t MLRA 1)	)		Shallow Dark Surface (TF12)
	en Sulfide (A4)				Matrix (F2		,		•	(Explain in Remarks)
	d Below Dark Surfac	ce (A11)		ted Matrix		,				
Thick D	ark Surface (A12)		Redo	x Dark Su	irface (F6)			<sup>3</sup> Inc	dicators	of hydrophytic vegetation and
Sandy M	/lucky Mineral (S1)		Deple	ted Dark	Surface (F	7)			wetland	l hydrology must be present,
	Gleyed Matrix (S4)		Redo	x Depress	sions (F8)				unless	disturbed or problematic.
	Layer (if present):									
Type: Fro										~
Depth (in	ches): <u>4</u>							Hydric	Soil P	resent? Yes X No
Remarks:										
HYDROLO	GY									
Wetland Hy	drology Indicators	:								
Primary Indi	cators (minimum of	one require	d; check al	I that appl	y)				Seconda	ary Indicators (2 or more required)
Surface	Water (A1)		١	Nater-Sta	ined Leav	es (B9) ( <b>e</b>	xcept		Wat	ter-Stained Leaves (B9) (MLRA 1, 2,
	ater Table (A2)				1, 2, 4A, a		•	-		4A, and 4B)
Saturati			Ş	Salt Crust		,				inage Patterns (B10)
	larks (B1)				vertebrate	s (B13)		-		-Season Water Table (C2)
	nt Deposits (B2)			•	Sulfide O	` '		-	-	uration Visible on Aerial Imagery (C9)
	posits (B3)						Living Roo	ots (C3)		pmorphic Position (D2)
	at or Crust (B4)				of Reduce	-	-			allow Aquitard (D3)
-	posits (B5)						+) d Soils (C6			C-Neutral Test (D5)
	Soil Cracks (B6)						1) ( <b>LRR A</b>			sed Ant Mounds (D6) (LRR A)
	on Visible on Aerial	Imageny (P			plain in Re					st-Heave Hummocks (D7)
	y Vegetated Concav					marks		-		
Field Obser		C Ounace (	(00)							
Surface Wat		Yes	No <u>×</u>	Depth (in	ches).					
			No <u>x</u>							
Water Table								land Live		Present? Yes X No
Saturation P (includes ca	pillary fringe)	185	No <u>x</u>	Depth (In	unes):			ialiu Hydr	ology F	Present? Yes <u>No</u> No
	corded Data (stream	n gauge, m	onitoring w	ell, aerial	photos, pr	evious ins	pections),	if availab	e:	
Remarks:										

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 nat	urally problematic?	(If needed, explain any answ	vers 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		t Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>NA</u> ) 1)	<u>% Cover</u>			Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2 3				Total Number of Dominant Species Across All Strata: (B)
4 Sapling/Shrub Stratum (Plot size: NA)		= Total C		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				OBL species $5   x_1 = 5$
3				FACW species $0$ x 2 = $0$
4				FAC species $0   x 3 = 0$
5				FACU species $15$ x 4 = $60$
5'		= Total Co	over	$\begin{array}{c} \text{UPL species} \\ 40 \\ \text{x 5} = \end{array} \begin{array}{c} 200 \\ \hline \end{array}$
Herb Stratum (Plot size: 5')	5		OBL	00 005
1. Typha sp.				Column Totals: $\frac{60}{(A)}$ (A) $\frac{265}{(B)}$ (B)
2. Verbascum thapsus	15	x	FACU	Prevalence Index = $B/A = 4.42$
<sub>3.</sub> Centaurea diffusa	40	Х	UPL	Hydrophytic Vegetation Indicators:
4			. <u> </u>	1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 <sup>1</sup>
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
11	~~			be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA )	<u> </u>	= Total Co	over	
1				Hydrophytic
2				Vegetation
% Bare Ground in Herb Stratum 20		_= Total Co	over	Present? Yes <u>No X</u>
Remarks:				

		• • • • •					the abse	nce of indicators.)
Depth	Matrix			Features		. 2	<b>-</b> .	<b>_</b>
<u>(inches)</u> 0-3	Color (moist) 10YR 3/1	_ <u>%</u> _ 100 _	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	
							Sandy loa	am
3-7	10 YR 4/2	100					Sand	
				<u> </u>		·		
						·		
<sup>1</sup> Type: C=C	oncentration, D=De	 pletion RM=F	Reduced Matrix CS	=Covered	or Coate	d Sand Gra	ains	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
	Indicators: (Appli							cators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Redox (S		,			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)
Hydroge	en Sulfide (A4)	_	Loamy Gleyed N	latrix (F2)	)			Other (Explain in Remarks)
	d Below Dark Surfa	ce (A11)	Depleted Matrix	• •			-	
	ark Surface (A12)	_	Redox Dark Sur	( )				icators of hydrophytic vegetation and
	Aucky Mineral (S1)	_	_ Depleted Dark S	•	7)			vetland hydrology must be present,
	Gleyed Matrix (S4)		Redox Depressi	ons (F8)			u	nless disturbed or problematic.
Type: Fro	Layer (if present):							
								Soil Present? Yes No _X
Depth (ind Remarks:	cnes): <u>/</u>						Hydric	Soil Present? Yes No
HYDROLO Wetland Hyd	GY drology Indicators	:						
Primary Indic	cators (minimum of	one required;	chock all that apply	<b>`</b>				
Surface	Water (A1)		CHECK all that apply	ļ			<u>S</u>	econdary Indicators (2 or more required)
High Wa	ater Table (A2)		Water-Stair		es (B9) ( <b>e</b> s	kcept	<u>S</u>	econdary Indicators (2 or more required) _ Water-Stained Leaves (B9) ( <b>MLRA 1, 2,</b>
Saturatio			Water-Stair		. , .	kcept	<u> </u>	· · · · · ·
	on (A3)		Water-Stair	ned Leave , <b>2, 4A, a</b>	. , .	kcept	<u>S</u>	Water-Stained Leaves (B9) (MLRA 1, 2,
Water M	on (A3) Iarks (B1)		Water-Stair MLRA 1	ned Leave , <b>2, 4A, a</b> B11)	nd 4B)	kcept		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
	. ,		Water-Stair MLRA 1 Salt Crust (	ned Leave , <b>2, 4A, a</b> B11) ertebrates	nd 4B) 6 (B13)	kcept		Water-Stained Leaves (B9) ( <b>MLRA 1, 2,</b> <b>4A, and 4B)</b> Drainage Patterns (B10)
Sedimer	larks (B1)		Water-Stair MLRA 1 Salt Crust ( Aquatic Inv	ned Leave , <b>2, 4A, a</b> B11) ertebrates Sulfide Od	nd 4B) s (B13) lor (C1)		-	Water-Stained Leaves (B9) ( <b>MLRA 1, 2,</b> <b>4A, and 4B)</b> Drainage Patterns (B10) Dry-Season Water Table (C2)
Sedimer Drift Dep	larks (B1) nt Deposits (B2)		Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S	ned Leave , <b>2, 4A, a</b> B11) ertebrates Sulfide Od hizospher	nd 4B) s (B13) lor (C1) res along l	Living Roots	  _s (C3)	<ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
Sedimer Drift Dep Algal Ma	larks (B1) nt Deposits (B2) posits (B3)		Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R	ned Leave , <b>2, 4A, a</b> B11) ertebrates Sulfide Od hizospher f Reduced	nd 4B) s (B13) lor (C1) es along l d Iron (C4	Living Roots	  s (C3)	<ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> </ul>
Sedimer Drift Dep Algal Ma Iron Dep	larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o	ned Leave , <b>2, 4A, a</b> B11) ertebrates Sulfide Od hizospher f Reduced n Reductio	nd 4B) s (B13) lor (C1) es along l d Iron (C4 on in Tilleo	Living Roots ) I Soils (C6)	  (s (C3) 	<ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> </ul>
Sedimer Drift Dep Algal Ma Iron Dep Surface	larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial	0,0,0,0	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl	ned Leave , <b>2, 4A, a</b> B11) ertebrates Sulfide Od hizospher f Reduced Reductio Stressed	nd 4B) or (C1) res along l d Iron (C4 on in Tilleo Plants (D	Living Roots ) I Soils (C6)	  (s (C3) 	<ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Sedimer Drift Dep Algal Ma Iron Dep Surface	1arks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	0,0,0,0	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl	ned Leave , <b>2, 4A, a</b> B11) ertebrates Sulfide Od hizospher f Reduced Reductio Stressed	nd 4B) or (C1) res along l d Iron (C4 on in Tilleo Plants (D	Living Roots ) I Soils (C6)	  (s (C3) 	<ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> </ul>
Sedimer Drift Dep Algal Ma Iron Dep Surface	larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav	0,0,0,0	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl	ned Leave , <b>2, 4A, a</b> B11) ertebrates Sulfide Od hizospher f Reduced Reductio Stressed	nd 4B) or (C1) res along l d Iron (C4 on in Tilleo Plants (D	Living Roots ) I Soils (C6)	  _s (C3) 	<ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> </ul>
Sedimer Drift Dep Algal Ma Iron Dep Surface Inundati	Tarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations:	ve Surface (B	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl	ned Leave , <b>2, 4A, a</b> B11) ertebrates Sulfide Od hizospher f Reduced Reductio Stressed ain in Rer	nd 4B) s (B13) lor (C1) es along l d Iron (C4 on in Tilleo Plants (D marks)	Living Roots ) I Soils (C6)	  _s (C3) 	<ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> </ul>
Sedimer Drift Dep Algal Ma Iron Dep Surface Inundati Sparsely Field Obser	larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: eer Present?	ve Surface (Ba	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl 3)	hed Leave , <b>2, 4A, a</b> B11) ertebrates Sulfide Od hizospher f Reduced hizospher an Reductio Stressed ain in Rer hes):	nd 4B) s (B13) lor (C1) res along l d Iron (C4 on in Tilleo Plants (D marks)	Living Roots ) I Soils (C6) 1) ( <b>LRR A</b> )	  _s (C3) 	Water-Stained Leaves (B9) ( <b>MLRA 1, 2,</b> <b>4A, and 4B)</b> Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) ( <b>LRR A</b> ) Frost-Heave Hummocks (D7)
Sedimer Drift Dep Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Wate Water Table Saturation P	Aarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present?	ve Surface (Bi Yes N Yes N	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl 3)	hed Leave , <b>2</b> , <b>4A</b> , <b>a</b> B11) ertebrates Gulfide Od hizospher f Reduced n Reductio Stressed I ain in Rer hes): hes):	nd 4B) or (C1) res along l d Iron (C4 on in Tilleo Plants (D marks)	Living Roots ) 1 Soils (C6) 1) ( <b>LRR A</b> )		<ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> </ul>
Sedimer Drift Dep Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap	Iarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: ter Present? Present? pillary fringe)	ve Surface (Ba Yes N Yes N Yes N	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl Other (Expl Depth (inc o x Depth (inc o x Depth (inc	hed Leave , <b>2</b> , <b>4A</b> , <b>a</b> B11) ertebrates Sulfide Od hizospher f Reduced hizospher r Reductio Stressed I ain in Rer hes): hes): hes):	nd 4B) s (B13) lor (C1) res along l d Iron (C4 on in Tilleo Plants (D marks)	Living Roots ) I Soils (C6) 1) (LRR A)		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sedimer Drift Dep Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap	Aarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present?	ve Surface (Ba Yes N Yes N Yes N	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl Other (Expl Depth (inc b x Depth (inc	hed Leave , <b>2</b> , <b>4A</b> , <b>a</b> B11) ertebrates Sulfide Od hizospher f Reduced hizospher r Reductio Stressed I ain in Rer hes): hes): hes):	nd 4B) s (B13) lor (C1) res along l d Iron (C4 on in Tilleo Plants (D marks)	Living Roots ) I Soils (C6) 1) (LRR A)		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sedimer Drift Dep Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap Describe Rec	Iarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: ter Present? Present? pillary fringe)	ve Surface (Ba Yes N Yes N Yes N	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl Other (Expl Depth (inc b x Depth (inc	hed Leave , <b>2</b> , <b>4A</b> , <b>a</b> B11) ertebrates Sulfide Od hizospher f Reduced hizospher r Reductio Stressed I ain in Rer hes): hes): hes):	nd 4B) s (B13) lor (C1) res along l d Iron (C4 on in Tilleo Plants (D marks)	Living Roots ) I Soils (C6) 1) (LRR A)		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sedimer Drift Dep Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap Describe Re	larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: rer Present? Present? pillary fringe) corded Data (strear	Ye Surface (Ba Yes N Yes N Yes N n gauge, mon	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl Other (Expl Depth (inc bo x Depth (inc bo x Depth (inc bo x Depth (inc bo x Depth (inc	hed Leave , <b>2</b> , <b>4A</b> , <b>a</b> B11) ertebrates Sulfide Od hizospher f Reduced n Reductio Stressed ain in Rer hes): hes): hotos, pre	nd 4B) s (B13) lor (C1) es along l d Iron (C4 on in Tilleo Plants (D marks)	Living Roots ) I Soils (C6) 1) (LRR A)  Wetlan pections), if		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sedimer Drift Dep Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Wate Water Table Saturation P (includes cap Describe Re	Iarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: ter Present? Present? pillary fringe)	Ye Surface (Ba Yes N Yes N Yes N n gauge, mon	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl Other (Expl Depth (inc bo x Depth (inc bo x Depth (inc bo x Depth (inc bo x Depth (inc	hed Leave , <b>2</b> , <b>4A</b> , <b>a</b> B11) ertebrates Sulfide Od hizospher f Reduced n Reductio Stressed ain in Rer hes): hes): hotos, pre	nd 4B) s (B13) lor (C1) es along l d Iron (C4 on in Tilleo Plants (D marks)	Living Roots ) I Soils (C6) 1) (LRR A)  Wetlan pections), if		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sedimer Drift Dep Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Wate Water Table Saturation Pr (includes cap Describe Re	larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: rer Present? Present? pillary fringe) corded Data (strear	Ye Surface (Ba Yes N Yes N Yes N n gauge, mon	Water-Stair MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Expl Other (Expl Depth (inc bo x Depth (inc bo x Depth (inc bo x Depth (inc bo x Depth (inc	hed Leave , <b>2</b> , <b>4A</b> , <b>a</b> B11) ertebrates Sulfide Od hizospher f Reduced n Reductio Stressed ain in Rer hes): hes): hotos, pre	nd 4B) s (B13) lor (C1) es along l d Iron (C4 on in Tilleo Plants (D marks)	Living Roots ) I Soils (C6) 1) (LRR A)  Wetlan pections), if		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Project/Site: Jayne's Parcel	City/County: El	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 and 33, T12S</u>	, 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% slo	pes	NWI classific	ation: None
Are climatic / hydrologic conditions on the site typical for this	time of year? Yes X	No (If no, explain in R	emarks.)
Are Vegetation, Soil, or Hydrology si	gnificantly disturbed?	Are "Normal Circumstances" p	resent? Yes X No
Are Vegetation, Soil, or Hydrology na	aturally problematic?	(If needed, explain any answer	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:
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)
1,				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
2				OBL species $0$ $x = 0$
3				FACW species $0   x 2 = 0$
4				FAC species $0   x 3 = 0$
5				FACU species 20 x 4 = 80
5'		= Total Co	over	UPL species $\frac{88}{x5} = \frac{440}{x5}$
Herb Stratum (Plot size: 5')	8		UPL	Column Totals: $108$ (A) $520$ (B)
1. Opuntia sp.				$\begin{array}{c} \text{Column rotals.} \xrightarrow{100} \text{(A)} \xrightarrow{200} \text{(B)} \end{array}$
2. Pascopyrum smithii	20		FACU	Prevalence Index = $B/A = \frac{4.81}{1000}$
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 ≤3.0 <sup>1</sup>
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10			·	<sup>1</sup> 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
% Bare Ground in Herb Stratum 0		= Total Co		Present? Yes <u>No X</u>
Remarks:				

Profile Desc	ription: (Describe	to the dept	h needed to docun	nent the in	dicator o	r confirm	n the absence of indicators.)
Depth	Matrix			Features	1		
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0-6	10YR 2/1	100					Fine sandy loam
				<u> </u>			
<sup>1</sup> Type: C=C	oncentration, D=De	pletion, RM=	Reduced Matrix, CS	=Covered	or Coated	I Sand Gr	
Hydric Soil	Indicators: (Appli	cable to all L	RRs, unless other	wise noted	d.)		Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol	( )	-	Sandy Redox (S				2 cm Muck (A10)
	pipedon (A2)	-	Stripped Matrix	· /			Red Parent Material (TF2)
	stic (A3)	-	Loamy Mucky M		(except	MLRA 1)	
	en Sulfide (A4)		Loamy Gleyed I Doploted Matrix				Other (Explain in Remarks)
·	d Below Dark Surfa ark Surface (A12)		Depleted Matrix Redox Dark Sur				<sup>3</sup> Indicators of hydrophytic vegetation and
	lucky 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:	,						
HYDROLO	GY						
Wetland Hy	drology Indicators	:					
Primary India	cators (minimum of	one required	; check all that apply	()			Secondary Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Leaves	s (B9) ( <b>ex</b>	cept	Water-Stained Leaves (B9) (MLRA 1, 2,
High Wa	iter Table (A2)		MLRA	I, 2, 4A, an	id 4B)		4A, and 4B)
Saturatio	on (A3)		Salt Crust	(B11)			Drainage Patterns (B10)
Water M	. ,		Aquatic Inv				Dry-Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		• •		Saturation Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized F		-	-	
	at or Crust (B4)		Presence				Shallow Aquitard (D3)
	oosits (B5)		Recent Iro				
	Soil Cracks (B6)		Stunted or			) ( <b>LRR A</b>	
	on Visible on Aerial			lain in Rem	narks)		Frost-Heave Hummocks (D7)
	/ Vegetated Concav	e Surface (B	8)			-	
Field Obser				h ).			
Surface Wat			lo × Depth (ind				
Water Table			lo <u>x</u> Depth (inc				
Saturation P (includes cap		Yes N	lo <u>x</u> Depth (ind	:hes):		_   Wetla	and Hydrology Present? Yes No X
		n gauge, mor	nitoring well, aerial p	hotos, prev	vious insp	ections).	if available:
			<b>C</b> ,	2 F	- 1-	- /1	
Remarks:							
	o have wetla	nd hydro	logy due to la	Indscap	e posi	tion.	
		<b>,</b>	0,	1-	1		

Project/Site: <u>Jayne's Parcel</u>	City/County: El Pas	50	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, T128</u>	S, R65W
Landform (hillslope, terrace, etc.): depression			Slope (%): 0
Subregion (LRR): E	_ <sub>Lat:</sub> <u>38°58'28.71"N</u>	Long: -104°40'13.52'	W Datum: WGS84
Soil Map Unit Name: Pring coarse sandy loam, 3-8% slo	opes	NWI classifi	cation: R4SBC
Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes <u>×</u> N	o (If no, explain in F	Remarks.)
Are Vegetation, Soil, or Hydrologys	ignificantly disturbed? A	re "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology n	aturally problematic? (I	f needed, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS Attach aits man	showing compling noin	t locationa 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           Yes         X         No	 Is the Sampled Area within a Wetland?	Yes X	No
Remarks:				

#### **VEGETATION – Use scientific names of plants.**

ΝΑ	Absolute		Indicator	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 Deminent
3				Total Number of Dominant         Species Across All Strata:         1         (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				$\overline{\text{OBL species}}  \underline{100} \qquad x \ 1 = \underline{100}$
3				
4				FACW species x 2 =
5				FAC species x 3 =
5			·	FACU species x 4 =
Herb Stratum (Plot size: 5')		= Total Co	over	UPL species x 5 =
, Typha en	100	х	OBL	Column Totals: 100 (A) 100 (B)
2				Prevalence Index = $B/A = 1.00$
3				Hydrophytic Vegetation Indicators:
4				<u>×</u> 1 - Rapid Test for Hydrophytic Vegetation
5				$\underline{x}$ 2 - Dominance Test is >50%
6				$\underline{x}$ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> 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 <sup>X</sup> No
		= Total Co	ver	
% Bare Ground in Herb Stratum 0				
Remarks:				

#### SOIL

# Sampling Point: WT-A39-WT1

Depth	Matrix			dox Feature		. 0				_	
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Text		<u></u>	Remark	(S
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	M					
	<u> </u>		_								
	_										
					_						
								2.			
			M=Reduced Matrix, (			ed Sand				Pore Lining	<u>, M=Matrix.</u> /dric Soils <sup>3</sup> :
					teu.)					-	une sons .
_ Histoso	( )		Sandy Redox Stripped Matr	. ,					Muck (A1	iu) aterial (TF2)	
	Epipedon (A2) Histic (A3)		Loamy Mucky	. ,			1)			Dark Surface	
-	en Sulfide (A4)		Loamy Gleye				•)	-		in Remarks	
	ed Below Dark Sur	face (A11)	Depleted Mat		2)		_	_ 0110		in remarks	)
	ark Surface (A12)		x Redox Dark S	· · ·	5)		<sup>3</sup> lr	ndicator	s of hvdro	phytic vege	tation and
	Mucky Mineral (S1	)	Depleted Dar							gy must be i	
-	Gleyed Matrix (S4)		Redox Depre		,				•	d or problem	
	Layer (if present										
Type: Fr	ozen										
	nches): <u>8</u>						Hydri	c Soil I	Present?	Yes X	No
DROLC		rs:									
DROLC	DGY ydrology Indicato		ed; check all that ap	ply)				Secon	dary Indic	ators (2 or n	nore required
DROLC	DGY ydrology Indicato			<u>ply)</u> tained Lea	ves (B9) (0	except					nore required B9) ( <b>MLRA</b> <sup>2</sup>
DROLC	DGY ydrology Indicato		Water-S			except				ed Leaves (I	
<b>DROLC</b> etland Hy imary Indi _ Surface _ High W	DGY /drology Indicato icators (minimum o e Water (A1)		Water-S	tained Lea A 1, 2, 4A,		except		W	ater-Stain <b>4A, and</b>	ed Leaves (I	B9) ( <b>MLRA</b> <sup>-</sup>
<b>DROLC</b> etland Hy imary Indi _ Surface _ High W _ Saturat	DGY /drology Indicato icators (minimum o e Water (A1) l'ater Table (A2)		Water-S MLR/ Salt Crus	tained Lea <b>A 1, 2, 4A,</b> st (B11)	and 4B)	except		W Dr	ater-Stain <b>4A, and</b> ainage Pa	ed Leaves (l <b>4B)</b> atterns (B10)	B9) ( <b>MLRA</b> <sup>/</sup>
DROLO etland Hy imary Indi _ Surface _ High W _ Saturat _ Water N	DGY ydrology Indicato icators (minimum d e Water (A1) fater Table (A2) ion (A3) Marks (B1)		Water-S MLRSalt Crus	tained Lea <b>A 1, 2, 4A,</b> st (B11) Invertebrat	and 4B) es (B13)	except		W Dr Dr	ater-Stain <b>4A, and</b> ainage Pa y-Season	ed Leaves (l <b>4B)</b> atterns (B10) Water Table	B9) ( <b>MLRA</b> <sup>/</sup>
<b>DROLC</b> etland Hy imary Indi _ Surface _ High W _ Saturat _ Water N _ Sedime	DGY ydrology Indicato icators (minimum of Water (A1) 'ater Table (A2) ion (A3)		Water-S MLR/ Salt Cru: Aquatic Hydroge	tained Lea <b>A 1, 2, 4A</b> , st (B11) Invertebrat n Sulfide C	<b>and 4B)</b> es (B13) Odor (C1)	·	coots (C3)	W Dr Sa	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V	ed Leaves (l <b>4B)</b> atterns (B10) Water Table ⁄isible on Ae	B9) ( <b>MLRA</b> ) e (C2) rial Imagery
<b>DROLC</b> etland Hy _ Surface _ High W _ Saturat _ Water M _ Sedime _ Drift De	<b>DGY</b> ydrology Indicato icators (minimum of Water (A1) later Table (A2) ion (A3) Marks (B1) ent Deposits (B2)		Water-S     Water-S     MLR     Salt Crus     Aquatic     Hydroge     X Oxidized	tained Lea <b>A 1, 2, 4A</b> , st (B11) Invertebrat n Sulfide C	and 4B) es (B13) Odor (C1) eres along	g Living R	coots (C3)	W Dr Sa Ge	ater-Stain <b>4A, and</b> ainage Pa y-Season turation V comorphic	ed Leaves (I <b>4B)</b> atterns (B10) Water Table /isible on Ae c Position (D	B9) ( <b>MLRA</b> ) e (C2) rial Imagery
<b>DROLO</b> <b>retland Hy</b> mimary Indi Surface High W Saturat Saturat Sedime Drift De Algal M	DGY vdrology Indicato icators (minimum of Water (A1) vater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3)		Water-S MLR/ Salt Crue Aquatic Hydroge X Oxidized Presenc	tained Lea A 1, 2, 4A, st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc	and 4B) es (B13) Odor (C1) eres along red Iron (C	J Living R		W Dr Sa St	ater-Stain 4A, and ainage Pa y-Season turation V comorphic allow Aqu	ed Leaves (l <b>4B)</b> atterns (B10) Water Table ⁄isible on Ae	B9) ( <b>MLRA</b> ) e (C2) rial Imagery
<b>DROLC</b> etland Hy imary Indi Surface High W Saturat Saturat Sedime Drift De Algal M Iron De	DGY ydrology Indicato icators (minimum of Water (A1) 'ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5)		Water-S MLR/ Salt Cru: Aquatic Hydroge X Oxidized Presenc Recent I	tained Lea A 1, 2, 4A, st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc ron Reduc	and 4B) es (B13) Odor (C1) eres along eed Iron (C tion in Tille	) Living R 4) ed Soils ((	C6)	W Dr Sa St St F/	ater-Stain <b>4A, and</b> ainage Pa y-Season turation V comorphic allow Aqu AC-Neutra	ed Leaves (I 4 <b>B)</b> atterns (B10) Water Table /isible on Ae : Position (D uitard (D3) I Test (D5)	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2)
<b>DROLO</b> <b>etland Hy</b> <u>imary Ind</u> Surface High W Saturat Water N Sedime Drift De Algal M Iron De Surface	DGY ydrology Indicato icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6)	of one requii	Water-S     Water-S     MLR     Salt Crus     Aquatic     Hydroge     X Oxidized     Presenc     Recent I     Stunted	tained Lea A 1, 2, 4A, st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc ron Reduc or Stresse	and 4B) es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E	) Living R 4) ed Soils ((	C6)	W Dr Sa St St Ra	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant I	ed Leaves (I 4B) atterns (B10) Water Table /isible on Ae Position (D uitard (D3) I Test (D5) Mounds (D6	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2) ) ( <b>LRR A</b> )
<b>DROLO</b> etland Hy imary Indi Surface High W Saturat Water N Sedime Drift De Algal M Iron De Surface Inundat	DGY ydrology Indicato icators (minimum of 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 Aeri	<u>of one requii</u>	Water-S     Water-S     MLR     Salt Crue     Aquatic     Hydroge     × Oxidized     Presenc     Recent I     Stunted     B7)Other (E	tained Lea A 1, 2, 4A, st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc ron Reduc or Stresse	and 4B) es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E	) Living R 4) ed Soils ((	C6)	W Dr Sa St St Ra	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant I	ed Leaves (I 4 <b>B)</b> atterns (B10) Water Table /isible on Ae : Position (D uitard (D3) I Test (D5)	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2) ) ( <b>LRR A</b> )
DROLO etland Hy _ Surface _ High W _ Saturat _ Water N _ Sedime _ Drift De _ Algal M _ Iron De _ Surface _ Inundat _ Sparse	DGY vdrology Indicato icators (minimum of Water (A1) Vater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeri ly Vegetated Conc	<u>of one requii</u>	Water-S     Water-S     MLR     Salt Crue     Aquatic     Hydroge     × Oxidized     Presenc     Recent I     Stunted     B7)Other (E	tained Lea A 1, 2, 4A, st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc ron Reduc or Stresse	and 4B) es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E	) Living R 4) ed Soils ((	C6)	W Dr Sa St St Ra	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant I	ed Leaves (I 4B) atterns (B10) Water Table /isible on Ae Position (D uitard (D3) I Test (D5) Mounds (D6	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2) ) ( <b>LRR A</b> )
DROLO 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 /drology Indicato icators (minimum of 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 Aeri ly Vegetated Conc rvations:	<u>of one requii</u> al Imagery ( ave Surface	Water-S     MLR,     Salt Crus     Aquatic     Hydroge     X Oxidized     Presenc     Recent I     Stunted     B7) Other (E	tained Lea <b>A 1, 2, 4A,</b> st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc ron Reduc or Stresse xplain in R	and 4B) es (B13) Door (C1) eres along eed Iron (C tion in Tille d Plants (E emarks)	) Living R :4) ed Soils (( D1) ( <b>LRR</b>	C6)	W Dr Sa St St Ra	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant I	ed Leaves (I 4 <b>B)</b> atterns (B10) Water Table /isible on Ae Position (D uitard (D3) I Test (D5) Mounds (D6	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2) ) ( <b>LRR A</b> )
DROLO 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 of 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 Aeri ly Vegetated Conco rvations: tter Present?	of one requii al Imagery ( ave Surface Yes	Water-S MLR, Salt Cru: Aquatic Hydroge X Oxidized Presenc Recent I Stunted B7) Other (E (B8)	tained Lea <b>A 1, 2, 4A,</b> st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc or Reduc or Stresse xplain in R	and 4B) es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks)	Living R 4) ed Soils (( D1) ( <b>LRR</b>	C6)	W Dr Sa St St Ra	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V comorphic allow Aqu AC-Neutra aised Ant I	ed Leaves (I 4 <b>B)</b> atterns (B10) Water Table /isible on Ae Position (D uitard (D3) I Test (D5) Mounds (D6	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2) ) ( <b>LRR A</b> )
	DGY vdrology Indicato icators (minimum of Water (A1) Vater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) lat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeri ly Vegetated Conc rvations: ter Present? e Present?	of one requii al Imagery ( ave Surface Yes Yes	Water-S Salt Crus Aquatic   Hydroge Voidized Presenc Recent I Stunted B7) Other (E 8(B8)	tained Lea <b>A 1, 2, 4A,</b> st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc ron Reduc or Stresse xplain in R inches): inches):	and 4B) es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks)	9 Living R 24) ed Soils (( D1) ( <b>LRR</b>	C6) A)	W Dr Sa St St Ra Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V comorphic hallow Aqu AC-Neutra hised Ant I ost-Heave	ed Leaves (1 4B) atterns (B10) Water Table (isible on Ae Position (D uitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2) ) ( <b>LRR A</b> ) s (D7)
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	DGY ydrology Indicato icators (minimum of 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 Aeri ly Vegetated Conco rvations: ter Present? e Present? Present? apillary fringe)	of one requii al Imagery ( ave Surface Yes Yes Yes	Water-S MLR, Salt Cru: Aquatic I Hydroge Oxidized Presenc Recent I Stunted B7) Other (E (B8) No Depth ( No Depth (	tained Lea <b>A 1, 2, 4A,</b> st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc or Reduc or Stresse xplain in R inches): inches):	and 4B) es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks)	g Living R 34) ed Soils (( D1) ( <b>LRR</b>	C6) A) etland Hyd	W Dr Sa St St Ra Fr Ra Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V comorphic hallow Aqu AC-Neutra hised Ant I ost-Heave	ed Leaves (1 4B) atterns (B10) Water Table (isible on Ae Position (D uitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2) ) ( <b>LRR A</b> ) s (D7)
rimary Indi Surface High W Saturat Water M Sedime Drift De Algal M Iron De Iron De Surface Inundat Sparsel ield Obse urface Wa /ater Table aturation F ncludes ca	DGY ydrology Indicato icators (minimum of 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 Aeri ly Vegetated Conco rvations: ter Present? e Present? Present? apillary fringe)	of one requii al Imagery ( ave Surface Yes Yes Yes	Water-S MLR, Salt Cru: Aquatic I Hydroge Oxidized Presenc Recent I Stunted B7) Other (E (B8) No Depth ( No Depth (	tained Lea <b>A 1, 2, 4A,</b> st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc or Reduc or Stresse xplain in R inches): inches):	and 4B) es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks)	g Living R 34) ed Soils (( D1) ( <b>LRR</b>	C6) A) etland Hyd	W Dr Sa St St Ra Fr Ra Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V comorphic hallow Aqu AC-Neutra hised Ant I ost-Heave	ed Leaves (1 4B) atterns (B10) Water Table (isible on Ae Position (D uitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2) ) ( <b>LRR A</b> ) s (D7)
Primary Indi     Surface     High W     Saturat     Water N     Sedime     Drift De     Algal M     Iron De     Surface     Inundat     Sparsel     ield Obse     urface Wa     dater Table     aturation F     ncludes ca escribe Re	DGY ydrology Indicato icators (minimum of 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 Aeri ly Vegetated Conco rvations: ter Present? e Present? Present? apillary fringe)	of one requii al Imagery ( ave Surface Yes Yes Yes	Water-S MLR, Salt Cru: Aquatic I Hydroge Oxidized Presenc Recent I Stunted B7) Other (E (B8) No Depth ( No Depth (	tained Lea <b>A 1, 2, 4A,</b> st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc or Reduc or Stresse xplain in R inches): inches):	and 4B) es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks)	g Living R 34) ed Soils (( D1) ( <b>LRR</b>	C6) A) etland Hyd	W Dr Sa St St Ra Fr Ra Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V comorphic hallow Aqu AC-Neutra hised Ant I ost-Heave	ed Leaves (1 4B) atterns (B10) Water Table (isible on Ae Position (D uitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2) ) ( <b>LRR A</b> ) s (D7)
DROLC     Vetland Hy     rimary Indi     Surface     High W     Saturat     Water N     Sedime     Drift De     Algal M     Iron De     Surface     Inundat     Sparsel     Vater Table     aturation F     cludes ca escribe Re	DGY ydrology Indicato icators (minimum of 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 Aeri ly Vegetated Conco rvations: ter Present? e Present? Present? apillary fringe)	of one requii al Imagery ( ave Surface Yes Yes Yes	Water-S MLR, Salt Cru: Aquatic I Hydroge Oxidized Presenc Recent I Stunted B7) Other (E (B8) No Depth ( No Depth (	tained Lea <b>A 1, 2, 4A,</b> st (B11) Invertebrat n Sulfide C I Rhizosph e of Reduc or Reduc or Stresse xplain in R inches): inches):	and 4B) es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks)	g Living R 34) ed Soils (( D1) ( <b>LRR</b>	C6) A) etland Hyd	W Dr Sa St St Ra Fr Ra Fr	ater-Stain <b>4A, and</b> ainage Pa y-Season ituration V comorphic hallow Aqu AC-Neutra hised Ant I ost-Heave	ed Leaves (1 4B) atterns (B10) Water Table (isible on Ae Position (D uitard (D3) I Test (D5) Mounds (D6 Hummocks	B9) ( <b>MLRA</b> ) e (C2) rial Imagery 2) ) ( <b>LRR A</b> ) s (D7)

Project/Site: <u>Jayne's Parcel</u>	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	<sub>it:</sub> <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 classifica	ation: R5UBH
Are climatic / hydrologic conditions on the site typical for this time	e of year? Yes X	No (If no, explain in Re	emarks.)
Are Vegetation, Soil, or Hydrology signifi	cantly disturbed?	Are "Normal Circumstances" p	resent? Yes X No
Are Vegetation, Soil, or Hydrology natura	ally problematic?	(If needed, explain any answer	s in Remarks.)
			the second second for a family second s

#### 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 X	No
Remarks:					

#### **VEGETATION – Use scientific names of plants.**

NA	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			<u> </u>	Percent of Dominant Species
NA		= 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 $0   x  ext{ 1} = 0$
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
	- <u>-</u>			Hydrophytic Vegetation Indicators:
4. Pascopyrum smithii			FACU	<u>x</u> 1 - Rapid Test for Hydrophytic Vegetation
5				× 2 - Dominance Test is >50%
6				$\overline{\mathbf{x}}$ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
				data in Remarks or on a separate sheet)
8				5 - Wetland Non-Vascular Plants <sup>1</sup>
9				
10			<u> </u>	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	110	= Total Co	ver	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA )				
1				I hadrow hadio
				Hydrophytic Vegetation
2				Present? Yes <sup>X</sup> No
		= Total Co	ver	
% Bare Ground in Herb Stratum 0				
Remarks:				

### SOIL

# Sampling Point: WT-A39-WT2

Depth	Matrix Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Text	Iro		Remarks	
( <u>inches)</u> 0-3	10YR 2/1	<u> </u>	Color (moist)	%_	iype					Remarks	
							Fine sand				
3-8	10 YR 2/1	_ <u>98</u>	7.5 YR 4/6	2	<u> </u>	PL F	ine sandy	clay loam	1		
					_						
·						·	·				
·											
					_						
	population D-Do				ad or Coat	d Sand C		<sup>2</sup> L opatic		ore Lining, N	1-Motrix
			I=Reduced Matrix, C I LRRs, unless other							ematic Hydr	
_ Histosol (			Sandy Redox		Juan			_ 2 cm M		-	
	pedon (A2)		Stripped Matri					_ Red Pa			
_ Black His			Loamy Mucky	. ,	F1) (excep	t MLRA 1				rk Surface (1	F12)
	Sulfide (A4)		Loamy Gleyed				/	-		Remarks)	,
	Below Dark Surfa	ce (A11)	Depleted Matr	•	,			, v		,	
	k Surface (A12)		x Redox Dark S		6)		<sup>3</sup> lr	dicators o	of hydropł	nytic vegetati	on and
	ucky Mineral (S1)		Depleted Dark		• •					must be pre	
	eyed Matrix (S4)		Redox Depres	ssions (F8	3)			unless di	sturbed c	or problemati	<b>c</b> .
	ayer (if present):										
Type: Froz											
Depth (incl	nes): <u>8</u>						Hydri	c Soil Pre	esent?	Yes X	No
							-				
emarks:											
DROLOG											
/DROLOG	rology Indicators		od: check all that an								e required)
DROLOG	rology Indicators ators (minimum of		ed; check all that app					Secondar		ors (2 or mor	
<b>DROLOG</b> Tetland Hydromary Indica Surface V	rology Indicators ators (minimum of Vater (A1)		Water-St	ained Lea	aves (B9) (¢	except		<u>Secondar</u> Wate	er-Stained	Leaves (B9	
<b>DROLOG</b> etland Hyd imary Indica _ Surface V _ High Wate	rology Indicators ators (minimum of Vater (A1) er Table (A2)		Water-St MLR4	ained Lea A 1, 2, 4A	aves (B9) (6 , and 4B)	except		Secondar Wate	er-Stained A, and 4E	l Leaves (B9 <b>3)</b>	
<b>DROLOG</b> etland Hyd imary Indica _ Surface V _ High Wate _ Saturation	rology Indicators ators (minimum of Vater (A1) er Table (A2) n (A3)		Water-St MLRA	ained Lea <b>A 1, 2, 4A</b> st (B11)	, and 4B)	except		Secondar Wate Drain	er-Stained <b>A, and 4E</b> nage Patte	l Leaves (B9 <b>3)</b> erns (B10)	) (MLRA 1, 2,
<b>DROLOG</b> etland Hyd imary Indica _ Surface V _ High Wat _ Saturation _ Water Ma	rology Indicators ators (minimum of Vater (A1) er Table (A2) n (A3) ırks (B1)		Water-St MLRA Salt Crus Aquatic I	ained Lea A 1, 2, 4A st (B11) nvertebra	, <b>and 4B)</b> tes (B13)	except		Secondar Wate 4/ Drain Drain Dry-S	er-Stained A, and 4E hage Patte Season W	l Leaves (B9 <b>3)</b> erns (B10) /ater Table ((	) ( <b>MLRA 1, 2</b> ,
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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.



#### DEPARTMENT OF THE ARMY CORPS OF ENGINEERS, ALBUQUERQUE DISTRICT SOUTHERN COLORADO REGULATORY BRANCH 201 WEST 8TH STREET, SUITE 350 PUEBLO, COLORADO 81003

June 30, 2022

**Regulatory Division** 

SUBJECT: Jurisdictional Determination- Action No.SPA-2022-00123

Classic Communities Attn: Loren Moreland 6385 Corporate Dr., Suite 200 Colorado Springs, Colorado 80919 <u>lorenm@classichomes.com</u>

Dear Mr. Moreland:

This letter responds to your request for a jurisdictional determination (JD) for forty (40) wetlands and one man-made pond associated with the *Classic Communities-Jayne's Parcel*, residential development. The approximately 141-acre project site is located near Sand Creek, centered at latitude 38.976682°, longitude -104.668357°, Colorado Springs, El Paso County, Colorado. We have assigned Action No. SPA-2022-00123 to your request. Please reference this number in all future correspondence concerning the site.

Based on the information provided, we concur with your aquatic resource delineation for the site, as depicted on the enclosed drawing labeled, *SPA-2022-00123, Figure 1*, prepared by Core Consultants, Inc. (enclosure 1). We have determined that the site does not contain waters of the United States that are subject to regulation under Section 404 of the Clean Water Act. The approximately 9.66-acres of aquatic resources identified as *Wetlands WT-A1* through *WT-A40* and one man-made pond, on the above drawing are intrastate isolated aquatic resources with no apparent interstate or foreign commerce connection. As such, these aquatic resources are not regulated by the U.S. Army Corps of Engineers. This disclaimer of jurisdiction is only for Section 404 of the Federal Clean Water Act.

We are enclosing a copy of the *Approved Jurisdictional Determination Form* for your site (enclosure 2). A copy of this JD is also available at <u>http://www.spa.usace.army.mil/reg/JD</u>. This approved JD is valid for five years unless new information warrants revision of the determination before the expiration date.

You may accept or appeal this approved JD or provide new information in accordance with the attached Notification of Administration Appeal Options and Process and Request for Appeal (NAAOP-RFA) (enclosure 3). If you elect to appeal this approved JD, you must complete Section II of the form and return it to the Army Engineer Division, South Pacific, CESPD-PDS-O, Attn: Tom Cavanaugh, Administrative

Appeal Review Officer, P.O. Box 36023, 450 Golden Gate Ave, San Francisco, CA 94102 within 60 days of the date of this notice. Failure to notify the Corps within 60 days of the date of this notice means that you accept the approved JD in its entirety and waive all rights to appeal the approved JD.

If you have any questions, please contact Senior Project Manager Kyle Zibung by email at <u>kyle.d.zibung@usace.army.mil</u>, or telephone at (651) 290-5877. For program information or to complete our Customer Survey, visit our website at <u>https://www.spa.usace.army.mil/Missions/Regulatory-Program-and-Permits/.</u>

Sincerely,

Kyle Bil

for Kara Hellige Chief, Southern Colorado Branch

Enclosures

CC:

Natalie Graves, Core Consultants, Inc. (ngraves@liveyourcore.com)



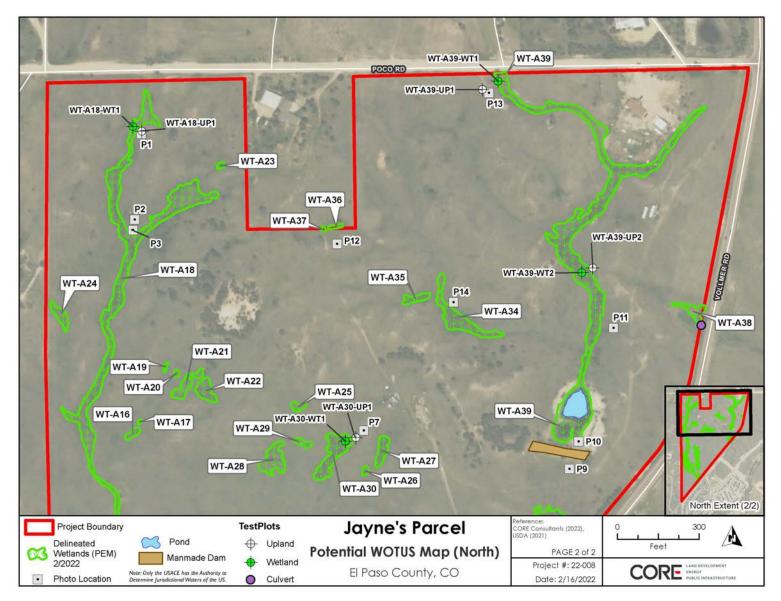


Figure 4.4 Potential WOTUS Location Map (North)



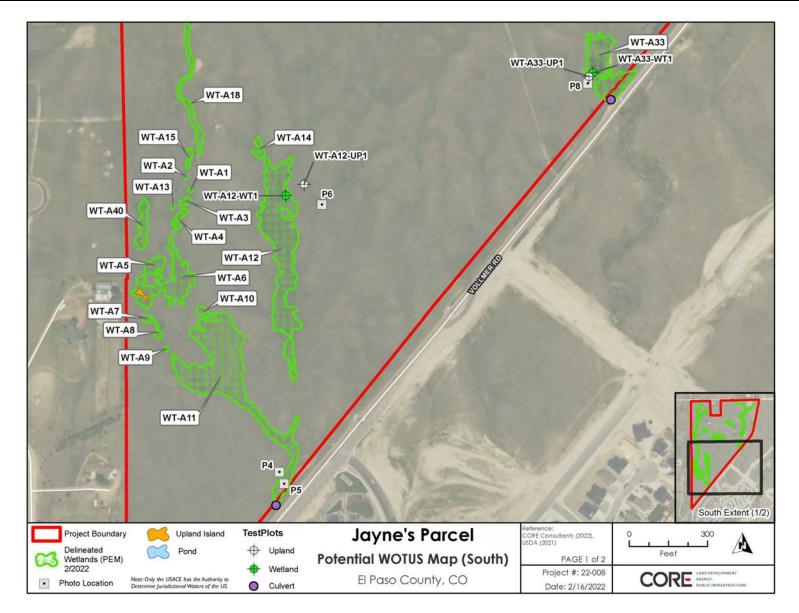


Figure 4.4 Potential WOTUS Location Map (South)

#### APPROVED JURISDICTIONAL DETERMINATION FORM U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

## SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): June 30, 2022

**B.** ST PAUL, MN DISTRICT OFFICE, FILE NAME, AND NUMBER: SPA-2022-00123, Classic Communities-Jayne's Parcel AJD

### C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Colorado County/parish/borough: El Paso City: Colorado Springs

Center coordinates of site (lat/long in degree decimal format): Lat. 38.976682° N, Long. -104.668357° W.

Universal Transverse Mercator: 13

Name of nearest waterbody: Sand Creek

Name of watershed or Hydrologic Unit Code (HUC): 11020003-Fountain

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

## D. <u>REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):</u>

Office (Desk) Determination. Date: June 2, 2022

Field Determination. Date(s):

#### <u>SECTION II: SUMMARY OF FINDINGS</u> A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There are no "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

## B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There are no"waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

- 1. Waters of the U.S.: N/A
- 2. Non-regulated waters/wetlands (check if applicable):<sup>1</sup>

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not  $\boxtimes$ jurisdictional. Explain: The review area for this determination is comprised of 40 individual Wetlands (identified as WT A1 through WT-A40) totaling 9.51 acres and one man-made pond totaling 0.15 acre located on the approximately 141acre tract. Based on a review of the National Hydrography Dataset (NHD) the nearest mapped potential relatively permanant water (RPW) is Sand Creek located approximately 1,500 feet southeast of the review area. The National Wetland Inventory (NWI) and NHD shows mapped wetland drainages with two mapped ephemeral streams in the eastern and western portion of the review area, however, the February 2022 Core Consultants, Inc., wetland delineation report (Core Report) did not find any defined bed/banks nor ordinary high water mark indicators within these two mapped features. The Core Report determined the mapping layers to be inaccurate and best characterized both features as multiple depressional wetlands seperated by upland swales. The upland swales sever a surface connection between the wetlands, pond, and Sand Creek. The Core Report notes that a culvert is present under Vollmer Road in the eastern portion of the review area near WT-A38, however, the outlet channel is comprised of a meandering upland swale with no observed surface connection to Sand Creek. Much of the land south of the JD review area has been previously graded for residential development resulting in altered surface hydrology patterns. Due to their small size and/or disturbed characteristics, Wetlands WT-A1 through WT-A40 and the man-made pond provide limited habitat functions to surrounding areas and exhibit tenuous ecological connections to nearby surface waters. Based on this information, the Corps has determined that Wetlands WT-A1 through WT-A40 and the man-made pond are isolated features with no surface or shallow subsurface hydrologic connection or ecological connection to a RPW or TNW. Wetlands WT-A1 through WT-A40 and the man-made pond do not border, neighbor, nor are contiguous with another

water of the U.S. Wetlands WT-A1 through WT-A40 and the man-made pond are not seperated from other WOTUS by man-made dikes, barriers, or berms. Wetlands WT-A1 through WT-A40 and the man-made pond do not support a link to interstate or foreign commerce; they are not known to be used by interstate or foreign travelers for recreation or

<sup>&</sup>lt;sup>1</sup> Supporting documentation is presented in Section III.F.

other purposes; They do not produce fish or shellfish that could be taken and sold in interstate or foreign commerce; and they are not known to be used for industrial purposes by industries in interstate commerce. Therefore, the Corps has determined that Wetlands WT-A1 through WT-A40 and the man-made pond are isolated and therfore not regulated by the Corps under Section 404 of the CWA.

#### SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs: N/A

- B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY): N/A
- C. SIGNIFICANT NEXUS DETERMINATION: N/A
- D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY): N/A
- E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY): N/A

#### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.

Prior to the Jan 2001 Supreme Court decision in "*SWANCC*," the review area would have been regulated based <u>solely</u> on the "Migratory Bird Rule" (MBR).

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain:

Other (explain, if not covered above):

Provide acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

Non-wetland waters (i.e., rivers, streams): linear feet width (ft).

 $\boxtimes$  Lakes/ponds: 0.15 acres.

Other non-wetland waters: acres. List type of aquatic resource:

Wetlands: 9.51 acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):

Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).

Lakes/ponds: acres.

- Other non-wetland waters: acres. List type of aquatic resource:
- Wetlands: acres.

#### SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: February 2022 Core Consultants, Inc.

#### Wetland Delineation Report

Data sheets prepared/submitted by or on behalf of the applicant/consultant.

 $\boxtimes$  Office concurs with data sheets/delineation report.

Office does not concur with data sheets/delineation report.

Data sheets prepared by the Corps:

- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas:
  - USGS NHD data.

USGS 8 and 12 digit HUC maps.

U.S. Geological Survey map(s). Cite scale & quad name: 1:24K Falcon NW

USDA Natural Resources Conservation Service Soil Survey. Citation: El Paso County Soil Survey

National wetlands inventory map(s). Cite name: USFWS National Wetland Inventory

State/Local wetland inventory map(s):

- FEMA/FIRM maps:
  - 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)

Photographs: Aerial (Name & Date):2020, 2018, 2017, 2015, 2013, 2010 2008, 2006, 2005, 2000, 1994 or Other (Name & Date):
 Previous determination(s). File no. and date of response letter:
 Applicable/supporting case law:
 Applicable/supporting scientific literature:
 Other information (please specify):

## **B. ADDITIONAL COMMENTS TO SUPPORT JD:**

# NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

REQUEST FOR APPEAL			
Applicant: Classic Communities c/o Loren Moreland	File No.: SPA-2022-00123	Date: June 30, 2022	
Attached is:		See Section below	
INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)		A	
PROFFERED PERMIT (Standard Permit or Letter of permission)		В	
PERMIT DENIAL		С	
→ APPROVED JURISDICTIONAL DETERMINATION		D	
PRELIMINARY JURISDICTIONAL DETERMINATION		E	
SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at <i>http://www.usace.army.mil/cecw/pages/reg_materials.aspx</i> or Corps regulations at 33 CFR Part 331. A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.			
• ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.			
• OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.			
B: PROFFERED PERMIT: You may accept or appeal the permit			

- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer (address on reverse). This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer (address on reverse). This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer (address on reverse). This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

## SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

**REASONS FOR APPEAL OR OBJECTIONS**: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the				
POINT OF CONTACT FOR QUESTIONS OR INFORMATION:				
If you have questions regarding this decision and/or the appeal	If you only have questions regarding the appeal process you may			
process you may contact:	also contact:			
Kyle Zibung	Thomas J. Cavanaugh			
U.S. Army Corps of Engineers	Administrative Appeal Review Officer			
201 West 8th Street, Suite 350	U.S. Army Corps of Engineers			
Pueblo, Colorado 81003	South Pacific Division			
Phone: 651-290-5877	P.O. Box 36023, 450 Golden Gate Ave			
Email: kyle.d.zibung@usace.army.mil	San Francisco, California 94103-1399			
	Phone: 415-503-6574, FAX 415-503-6646)			
	Email: Thomas.J.Cavanaugh@usace.army.mil			
RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government				
consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15				

day notice of any site investigation and will have the opportunity to participate in all site investigations.				
	Date:	Telephone number:		
Signature of appellant or agent.				

SPD version revised December17, 2010