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# WATERS OF THE US REPORT

# TERRA RIDGE NORTH DEVELOPMENT

# EL PASO COUNTY, COLORADO



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## WATERS OF THE US REPORT TERRA RIDGE NORTH DEVELOPMENT EL PASO COUNTY, COLORADO

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## 1.0 INTRODUCTION

Smith Environmental and Engineering (SMITH) conducted a waters of the US (WOTUS) investigation for the Terra Ridge North Development (Project or Project Area) in El Paso County, Colorado in January of 2021.

WOTUS are protected under federal regulations at 33 CFR parts 320 through 330, under Section 404 of the Clean Water Act (CWA) and Executive Order 11990. The US Army Corps of Engineers (USACE) and the Environmental Protection Agency (EPA) are responsible for implementing the CWA. The USACE and EPA have defined aquatic features that are considered jurisdictional under the CWA (EPA 2021). In general, the following water features, including wetlands, are WOTUS:

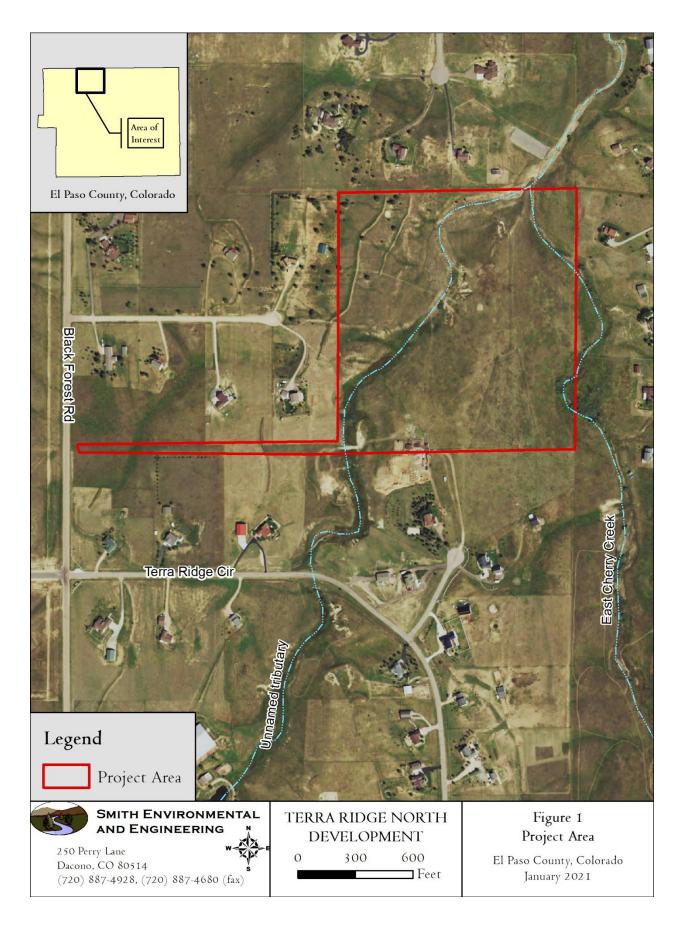
- I. Traditionally navigable waters (TNWs),
- 2. Interstate waters,
- 3. Wetlands adjacent to TNWs or interstate waters,
- 4. Non-navigable tributaries to TNWs that are relatively permanent, and
- 5. Wetlands that directly but relatively permanent waters (RPWs) or if they have a "significant nexus" to a TNW or interstate water.

Exclusions exist for ditches, wastewater treatment systems, converted cropland, etc.

Wetlands are "areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (Environmental Laboratory 1987). This report identifies wetlands and other aquatic features (e.g., ponds, streams) within the Project Area that may be considered WOTUS by the USACE and EPA.

## 1.1 PROJECT AREA

The 39.72-acre Project Area has a mailing address of 15630 Fox Creek Lane, Colorado Springs, Colorado (Figure 1). The Project Area is in El Paso County (Section 29 of Township 11 South, Range 65 West of the 6<sup>th</sup> Principal Meridian). The Project Area is located at 39.061628 degrees north, 104.693206 degrees west at approximately 7,460 feet in elevation. East Cherry Creek traverses the northeast corner of the Project Area. No other named water bodies are present within the Project Area. Surrounding the Project Area are residential areas including Ridgeview Acres to the north, Whispering Hills Estates to the west, Wildwood Village to the east, and Terra Ridge Estates to the south.



## 2.0 METHODS

The office and field methods used to identify potential WOTUS are described below.

## 2.1 OFFICE METHODS

Before conducting a field investigation, SMITH reviewed background information, including USGS topographic quadrangle maps, National Wetlands Inventory maps (USFWS 2021), floodplain maps, aerial photographs, and the Web Soil Survey [Natural Resources Conservation Service (NRCS) 2021].

## 2.2 FIELD METHODS

Fieldwork included identifying wetlands and waterbody boundaries throughout the Project Area. A focus of the wetland delineation was on the proposed unnamed tributary to East Cherry Creek road crossing.

SMITH personnel identified wetlands based on the USACE Wetlands Delineation Manual (Manual) (Environmental Laboratory 1987) and the USACE Regional Supplement for the Western Mountains, Valleys, and Coast Region, Version 2 (Supplement) (Environmental Laboratory 2010). The Manual and Supplement identify that wetland boundaries occur where all three fundamental characteristics (hydrophytic vegetation, hydric soils, and hydrology) are present. During fieldwork, SMITH personnel:

- Identified plants using the Flora of Colorado (Ackerfield 2015) and plant wetland indicator statuses from the Colorado Western Mountains, Valleys, and Coast Region list (Lichvar et al. 2016). Estimated the percent aerial coverage of dominant plants at each data point and determined the composition of hydrophytic (wetland) versus upland plant species. A positive wetland vegetation criterion occurred when hydrophytic species ground cover exceeded 50 percent.
- 2. Identified whether hydric soils were present according to NRCS criteria (NRCS 2010). Excavated soils below the mollic epipedon (if present) to identify if they were hydric according to NRCS criteria (NRCS 2010). Analyzed soil color, thickness, texture, and redoximorphic features using Munsell Color Charts (Kollmorgen 1994) and soil texture by feel.
- 3. Assessed wetland hydrology by evaluating the frequency and duration of inundation, including saturation in the upper 12 inches of soil, and the presence of drift lines, watermarks, sediment deposits, or drainage patterns. Identify secondary hydrology indicators including local soil survey data, oxidized root channels in the upper 12 inches, water-stained vegetation, soil permeability, the FAC-Neutral test, etc.
- 4. Assigned wetland classifications based on the Cowardin et al. classification system (1979).
- 5. Documented vegetation, soil, and hydrologic information on Wetland Determination Data Forms (Appendix A).
- 6. Delineated wetland boundaries and data points using a Trimble Geo 7X Global Positioning System (GPS).
- 7. Took photographs of wetlands.

SMITH delineated aquatic feature (water bodies) boundaries in addition to wetlands. Water levels in streams fluctuate based on the season and recent precipitation. Therefore, the edge of water may not be the most accurate indication of an aquatic feature's boundaries. The Ordinary High Water Mark (OHWM) is the limit of the water feature (USACE 2005) in the absence of wetlands. OHWM is defined as "that line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of the soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas" in 33 CFR 328.3 (e). The OHWM was recorded with a Trimble GPS unit and transferred to ArcMap.

It is generally desirable to conduct wetland and waterbody delineations during the growing season, as winter conditions can make it challenging. One to two inches of snow was present over approximately 60 percent of the Project Area during the field visit, and the deepest snow had accumulated in the bottoms of the swales. Soils were frozen, and as a result, a small piece of construction equipment was used to excavate soil pits only in the vicinity of the proposed road crossing. It was also challenging to confirm soil colors and textures. Therefore, the information provided in this report is our best professional opinion based on field conditions at the time of the field visit.

## 3.0 RESULTS

## 3.1 WETLANDS

SMITH identified wetlands and swales within East Cherry Creek and the unnamed tributary to East Cherry Creek; SMITH did not identify any water bodies with a defined OHWM within the Project Area. Photographs of wetlands and swales are included in Appendix A.

Approximately 2.09 acres of Palustrine Emergent (PEM) wetlands and 0.80 acre of Palustrine Scrub-Shrub (PSS) wetlands were observed (see Figure 2). SMITH completed six Wetland Determination Data Forms (Appendix B) to confirm the presence or absence of hydrophytic vegetation, hydric soil, and wetland hydrology at wetland boundaries.

SMITH also identified 0.30 acre of swales. Snow obscured the bottoms of most of the swales (other than those extending up steep slopes). As a result, it was difficult to confirm whether these areas were upland swales or PEM wetlands. Approximately 10 percent of these swales, or 0.003 acre, may be PEM wetlands. We recommend revisiting the Project Area when there is no snow cover and soils are not frozen to confirm our findings.

## 3.1.1 Jurisdictional Status

Based on communication with the USACE (Appendix C), delineated features are considered jurisdictional under the CWA (WOTUS).

# 3.2 WETLAND CRITERIA

# 3.2.1 <u>Hydrology</u>

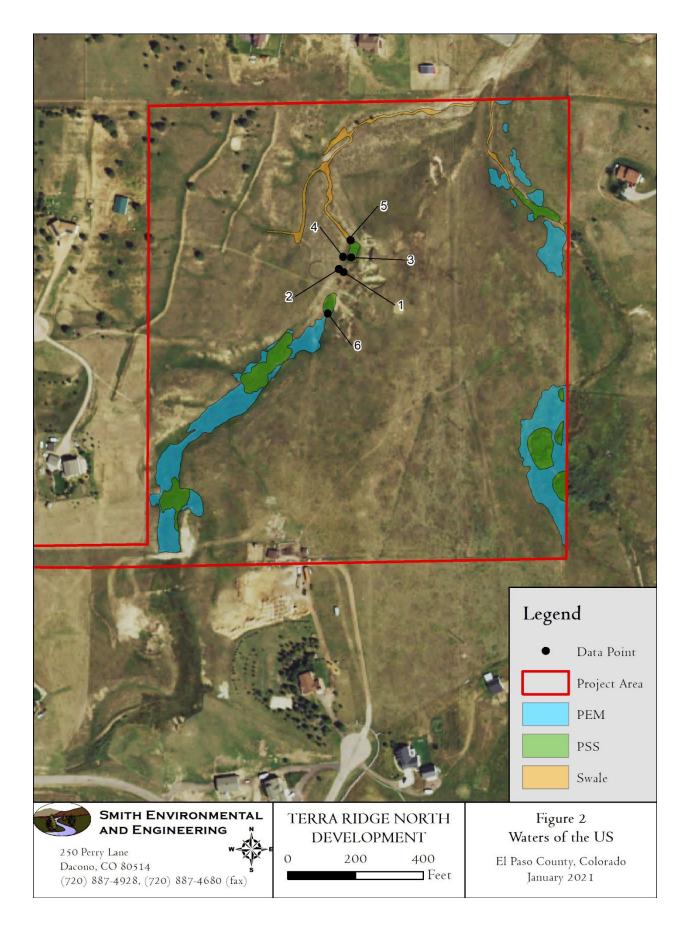
Wetlands occurred in broad swales and appeared to receive stormwater runoff from the surrounding landscape. Wetland areas did not appear to be saturated, although this was difficult to confirm based on frozen soil conditions. Wetland hydrology indicators included Oxidized Rhizospheres Along Living Roots (C3) and the FAC-Neutral Test (D5).

# 3.2.2 <u>Soils</u>

The Natural Resources Conservation Service (NRCS 2021) maps soils in the Project Area as Peyton-Pring complex, 3 to 8 percent slopes (Peyton-Pring) and Tomah-Crowfoot loamy sands, 3 to 8 percent slopes (Tomah-Crowfoot). Peyton-Pring soils are founds on hills and side slopes. Tomah-Crowfoot soils are found on hills, alluvial fans, and side slopes/crests. Both soil map units are nonhydric (non-wetland). NRCS soil mapping does not provide useful hydric soil information because the National Cooperative Soil Survey (NCSS) in El Paso County (NRCS 2021) does not delineate soil map units smaller than 7-10 acres. Therefore, a "small" one- to two-acre wetland, such as what was encountered in this investigation, would have been ignored during NCSS mapping and treated as an inclusion (unnamed component) to a soil map unit delineation.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Soil Survey Staff 1994). Under natural

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conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic (wetland) vegetation. SMITH confirmed that hydric soils are present in the delineated wetlands. Soils in the wetlands met the Redox Dark Surface (F6) criteria.

# 3.2.3 Vegetation

The dominant plant species in the PEM wetland areas included Baltic rush (*Juncus balticus*), western wheat grass (*Pascopyrum smithii*), cattails (*Typha* sp.), saltgrass (*Distichlis spicata*), and reed canary grass (*Phalaris arundinacea*). The dominant species in the PSS wetlands areas included Baltic rush (*Juncus balticus*), saltgrass (*Distichlis spicata*), and coyote willow (*Salix exigua*). Species observed in the wetlands are summarized in Table 1.

		<b>T</b> 1	Palustrine	Palustrine
		Indicator	Emergent	Scrub-Shrub
Scientific Name	Common Name	Status*	Wetlands	Wetlands
Grasses/Rushes		-	•	
Bromus inermis	Smooth brome	UPL	Х	Х
Distichlis spicata	Desert saltgrass	FACW	Х	Х
<i>Festuca</i> sp.	Fescue	FAC	Х	
Juncus balticus	Baltic rush	FACW	Х	Х
Pascopyrum smithii	Western wheatgrass	FACU	Х	
Phalaris arundinacea	Reed canary grass	FACW	Х	Х
Poa pratensis	Kentucky bluegrass		Х	
Forbs				
Achillea millefolium	Common yarrow	FACU	Х	Х
Artemisia ludoviciana	Louisiana sagewort	FACU	Х	Х
<i>Machaeranthera</i> sp.	Aster	FAC	Х	
Penstemon sp.	Penstemon	FACU	х	
<i>Typha</i> sp.	Cattails	OBL	х	
Shrubs and Sub-Shrubs	·	·		•
Salix exigua	Coyote willow	FACW	Х	Х

#### Table 1. Wetland Plant Species

\*OBL-obligate, FACW-facultative wetland, FAC-facultative, FACU-facultative upland, UPL-upland

#### 4.0 SUMMARY

SMITH completed a WOTUS investigation for Terra Ridge North located at 15630 Fox Creek Lane, Colorado Springs, Colorado in January of 2021. Winter conditions made it challenging to delineate wetlands and water bodies. One to two inches of snow was present over approximately 60 percent of the Project Area, with the deepest snow accumulated in the bottoms of the swales. Soils were frozen, and it was challenging to confirm soil colors and textures. As a result, we have provided our best professional opinion based on field conditions at the time of the field visit.

SMITH identified wetlands and swales within East Cherry Creek and an unnamed tributary to East Cherry Creek. Approximately 2.6 acres of Palustrine Emergent (PEM) wetlands and 0.80 acre of Palustrine Scrub-Shrub (PSS) wetlands were delineated. SMITH also identified 0.30 acre of swales. Approximately 10% of these swales, or 0.003 acre, may be PEM wetlands. SMITH did not identify any water bodies with a defined OHWM within the Project Area. We recommend revisiting the Project Area when there is no snow cover and soils are not frozen to confirm our findings.

Based on communication with the USACE, delineated wetlands and water bodies are considered jurisdictional under the CWA.

This WOTUS investigation was conducted under the direction of Peter L. Smith, Senior Professional Wetland Scientist (#1273) and Certified Professional Soil Classifier (#01785). It complies with industry standard practices of a wetlands and soils classification investigation.





#### 5.0 **REFERENCES**

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# APPENDIX A – PHOTOGRAPHS OF THE PROJECT AREA



Photo I. The vast majority of the Project Area is upland pasture.



Photo 2. Emergent wetland located in the southwestern corner of the Project Area.

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Photo 3. A scrub-shrub wetland located in the southwestern corner of the Project Area.



Photo 4. Scrub-shrub wetland located adjacent to the proposed access road.

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Photo 5. Swale located in the northern portion of the Project Area.



Photo 6. Swale in the northern portion of the Project Area just south of its convergence with East Cherry Creek.



Photo 7. East Cherry Creek in the northeast corner of the Project Area. Note the narrow band of willows.



**Photo 8.** East Cherry Creek in the northeast corner of the Project Area. This photograph is taken prior to convergence with the swale shown in Photograph 6.



Photo 9. East Cherry Creek on the eastern side of the Project Area. Note the emergent and scrub-shrub wetlands.

# APPENDIX B – WETLAND DETERMINATION DATA FORMS

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

Project/Site: JENISHAY FARM		
		State: CO Sampling Point:/
nvestigator(s): S. CLARK	Section, Township,	Range: 529, 7115, R65W
andform (hillslope, terrace, etc.): SWALE	Local relief (concav	ve, convex, none): NONE Siope (%): O
Subregion (LRR):E	Lat: 39°03'44.99"N	Long: 104° 41 35.89 W Datum: WGS8
		ToNWI classification:PEMIC
re climatic / hydrologic conditions on the site typical for		
		re "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology		f needed, explain any answers in Remarks.)
	A REAL PROPERTY AND A REAL	nt locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes		led Area
Wetland Hydrology Present? Yes	110	tland? Yes No
		CRANID WILLIAM ALL OF
		GROUND VISIBILITY, NI" OF A SHOULD BE REVISITED
WHEN THE GROUND IS A		
/EGETATION – Use scientific names of pl	DOLLAR STREET	
Tree Stratum (Plot size:)	Absolute Dominant Indicat % Cover Species? Status	
1,	the state of the s	Mumber of Dominant Species (A)
2		The second se
3		Total Number of Dominant Species Across All Strata: (B)
4		
	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size:)		Prevalence Index worksheet:
1		Total % Cover of: Multiply by:
2		OBL species x 1 =
3		FACW species 100 x 2 = 200
4		FAC species x 3 =
5		FACU species x4 =8
Herb Stratum (Plot size: 5)	= Total Cover	UPL species x 5 =
1. JUNCUS BAUTICUS	100 V FAC	W Column Totals: 102 (A) 208 (B)
2. PASCOPYRUM SMITTHII	2 FACI	
		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>
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,
West Viss Oferland (Distribution	102 = Total Cover	be present, unless disturbed of problematic.
Woody Vine Stratum (Plot size:)		
1		Hydrophytic     Vegetation
2	= Total Cover	Present? Yes No
	= Total Cover	
% Bare Ground in Herb Stratum		

Sampling Point:

$\frac{\sqrt{R} 3}{1}$	% 100 100	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	Texture SANDY CUAY	Remarks
						SANDY MAN	INDIA
IR 3/3	100					-mar cory	LUTIT
	Ξ.			=		COARSE SOM	ND
					d Sand G		h: PL=Pore Lining, M=Matrix.
n (A2) 3) ide (A4) w Dark Surfac rface (A12) Mineral (S1)		Sandy Redox (3 Stripped Matrix Loamy Mucky M Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark 3	S5) (S6) Mineral (F Matrix (F2 ( (F3) rface (F6) Surface (F	1) (except 2)	MLRA 1	2 cm Mu Red Pare ) Very Sha Other (E <sup>3</sup> Indicators of wetland h	or Problematic Hydric Soils <sup>3</sup> : ck (A10) ent Material (TF2) allow Dark Surface (TF12) xplain in Remarks) hydrophytic vegetation and ydrology must be present, turbed or problematic.
	-	-				Hydric Soil Pres	sent? Yes No/
	ators: (Applic on (A2) \3) fide (A4) w Dark Surfac rface (A12) Mineral (S1) Matrix (S4) (if present):	ators: (Applicable to all L on (A2) N3) Fide (A4) W Dark Surface (A11) Inface (A12) Mineral (S1) Matrix (S4) (if present):	ators: (Applicable to all LRRs, unless other Sandy Redox (3)         Sandy Redox (3)         on (A2)       Stripped Matrix         \(\Lambda\)3)       Loamy Mucky M         \(\Lambda\)3)       Loamy Mucky M         \(\Lambda\)64(A4)       Loamy Gleyed         \(\wordda\) more Xsurface (A11)       Depleted Matrix         \(\mathcal{A}2)       Redox Dark Su         \(\mathcal{A}12)       Redox Dark Su         Mineral (S1)       Depleted Dark Su         \(\mathcal{A}1x)       Redox Depress         (if present):       (if present):	ators: (Applicable to all LRRs, unless otherwise not         Sandy Redox (S5)         on (A2)       Stripped Matrix (S6)         \L3)       Loamy Mucky Mineral (F         \L64 (A4)       Loamy Gleyed Matrix (F3)         w Dark Surface (A11)       Depleted Matrix (F3)         rface (A12)       Redox Dark Surface (F6)         Mineral (S1)       Depleted Dark Surface (F8)         (if present):       (if present):	ators: (Applicable to all LRRs, unless otherwise noted.)	ators: (Applicable to all LRRs, unless otherwise noted.)	ators:       (Applicable to all LRRs, unless otherwise noted.)       Indicators for

## HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required	d; check all that apply)	Secondary Indicators (2 or more required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (</li> </ul>	Presence of Reduced Iron (C4)     Recent Iron Reduction in Tilled     Stunted or Stressed Plants (D1)     Other (Explain in Remarks)	4A, and 4B)         Drainage Patterns (B10)         Dry-Season Water Table (C2)         Saturation Visible on Aerial Imagery (C9)         Geomorphic Position (D2)         Shallow Aquitard (D3)         I Soils (C6)
Field Observations:           Surface Water Present?         Yes	No _ / Depth (inches):	_
	No _ /_ Depth (inches): No _ /_ Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, mo	pnitoring well, aerial photos, previous insp	pections), if available:
REMARKS: TOP 4" FROZEN APPEAR TO HAVE REVISITED WHEN	WETZAND HYDRO	LOGY, AREA SHOULD BE NOT FROZEN.

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

Project/Site: JENISHAY FARMS	City/County: EL PASO COUNTY Sampling Date: 12521
Applicant/Owner: SHAY MILES, PE	State: Sampling Point: 2
Investigator(s): S. CLARK	Section, Township, Range: <u>S29, TIIS, R65W</u>
Landform (hillslope, terrace, etc.): HTLSLOPE	Local relief (concave, convex, none): CONCAVE Slope (%): 12
Subregion (LRR): E	Lat: 39°03'45.11"N Long: 104°41'36.06"W Datum: WGS84
Soil Map Unit Name: 68-PEYTON - PRING CO	MAPLEX, 3-8 % NWI classification: NONE
Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology s	ignificantly disturbed? Are "Normal Circumstances" present? Yes 📈 No
Are Vegetation, Soil, or Hydrology n	aturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	0 <u> </u>
Hydric Soil Present? Yes No	o Is the Sampled Area
Wetland Hydrology Present? Yes No	o within a Wetland? Yes No
Remarks: WINTER CONDITIONS INCO	WDES 60% GROUND VISIBILITY NI" OF SNOW
	ND. AREA SHOULD BE REVISITED WHEN THE
GROUND IS NOT FROZEN,	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL_EACW or EAC:
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4		= Total Cov	er	Percent of Dominant Species That Are OBL, FACW, or FAC:O (A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				OBL species x1 =
3				FACW species x 2 =
4				FAC species 22 x3= 66
5				FACU species 2 x 4= 8
Herb Stratum (Plot size: 5')	-	= Total Cov	er	UPL species $42 \times 5 = 210$
1. HETEROTHECA VILLOSA	20	V	UPL	Column Totals: 66 (A) 284 (B)
2. POA PRATENSIS	10.		FAC	Prevalence Index = $B/A = 4.3$
3. BASSIA SCOPARIA	2		FAC	Hydrophytic Vegetation Indicators:
	-	V	UPL	1 - Rapid Test for Hydrophytic Vegetation
5. ARTEMISIA WDOVICIANA				2 - Dominance Test is >50%
6. BOUTELOUA GRACIUS	2		VPL	3 - Prevalence Index is <3.01
T. FESTUCA Sp. *	10	2	FAC	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
Woody Vine Stratum (Plot size:)	66	= Total Cove	r	be present, unless disturbed or problematic.
1			_	Hydrophytic Vegetation
2				Present? Yes No
% Bare Ground in Herb Stratum		= Total Cove	er.	
Remarks: * COVLD BE RED FESCUE	- FAC	VEGET	ATTON	COVER ESTIMATED BASED
ON WINTER CONDITIONS.	14.44	101		

Sampling Point:

2

Depth inches)	Color (moist)	%		x Features		1.2			
0-5			Color (moist)	%	Type	Loc <sup>2</sup>		Remarks	
Cal Cont	10YR 3/4	100					SANDY LOAN		
5-18	10 YR 3/3	100	-	_	_	_	<u>COARSE SI</u>	AND	
Туре: С=С	oncentration, D=Dep		Reduced Matrix. CS	=Covered	or Coate		rains <sup>2</sup> location	PL=Pore Lining, M	=Matrix
ydric Soil	Indicators: (Applic	able to all	LRRs, unless other	wise note	d.)	u cunu c		Problematic Hydri	
Black Hi	(A1) pipedon (A2) istic (A3) en Sulfide (A4)		Sandy Redox (S Stripped Matrix Loamy Mucky M Loamy Gleyed I	(S6) Aineral (F1		MLRA 1)	Very Shall	k (A10) ht Material (TF2) low Dark Surface (T plain in Remarks)	F12)
Deplete	d Below Dark Surfac ark Surface (A12)	e (A11)	Depleted Matrix Redox Dark Su	(F3)				nydrophytic vegetatio	on and
	Aucky Mineral (S1) Gleyed Matrix (S4)		Depleted Dark S Redox Depress	Surface (F	7)		wetland hyd	drology must be pres	sent,
estrictive l	Layer (if present):								
Type: Depth (inc	ches):		=				Hydric Soil Prese	ent? Yes	No_L
TAY 1 NO	- 202		REDOXIN REA SHO	10RF	BE	FEAREVI	SITED WH	EN THE	ROU.

## HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; c	heck all that apply)	Secondary Indicators (2 or more required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B7)</li> <li>Sparsely Vegetated Concave Surface (B8)</li> </ul>	Presence of Reduced Iron (C4)     Recent Iron Reduction in Tilled So     Stunted or Stressed Plants (D1) (I     Other (Explain in Remarks)	pt Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) mg Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) oils (C6) FAC-Neutral Test (D5)
Water Table Present?       Yes No         Saturation Present?       Yes No         (includes capillary fringe)       Yes No	Uppeth (inches):           Uppeth (inches):           Uppeth (inches):           Uppeth (inches):	Wetland Hydrology Present? Yes No
APPEAR TO HAVE U	OUTSIDE OF THE JETLAND HYDROL	GROWING SEASON, DID NOT OGY. AREA SHOULD BE
REVISITED WHEN TH	IE GROUND IS	NOT HROLEN.

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

Project/Site: JENISHAY FARMS	City/County: EL PASO COUN	TY Sampling Date: 1/25/21
Applicant/Owner: SHAY MILES PE	State: CL	
Investigator(s): S. CLARK	Section, Township, Range: S 29,-	
Landform (hillslope, terrace, etc.): SWALE	Local relief (concave, convex, none):	
Subregion (LRR): La	: 39 °03' 45.48"N Long: 104°4	1 35.61 W Datum: W6584
Soil Map Unit Name: 68-PEYTON - PRING COM	1EX, 3-8 70 NWI	classification: <u>PEMIC</u>
Are climatic / hydrologic conditions on the site typical for this time	of year? Yes V No (If no, expl	ain in Remarks.)
Are Vegetation, Soil, or Hydrology signifi	antly disturbed? Are "Normal Circumsta	ances" present? Yes <u>/</u> No
Are Vegetation, Soil, or Hydrology natura	ly problematic? (If needed, explain any	answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sho	ving sampling point locations, tran	sects, important features, etc.

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

# VEGETATION - Use scientific names of plants.

	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1		Species?	Status	Number of Dominant Species 2 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
Sapling/Shrub Stratum (Plot size: 10)		= Total Co	ver	Percent of Dominant Species That Are OBL, FACW, or FAC:(DO(A/B)
	50	.1	FACH	Prevalence Index worksheet:
1. SALIX EXIGUA			THEN	Total % Cover of: Multiply by:
2				OBL species x1 =
3				FACW species _ 120 x 2 = 240
4	-			FAC species x 3 =
5				FACU species x 4 =
Herb Stratum (Plot size:)	50	= Total Co	ver	UPL species x 5 =
1. JUNCUS BALTICUS	60	V	FACW	Column Totals: (A) (B)
2. PHALARIS CF. ARUNDINACEA	10		FACW	
			THUN	Prevalence Index = B/A =
3				Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 <sup>1</sup>
7				<ul> <li>4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
8				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	70	= Total Cov		be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)	10	= Total Cov	/er	
1			1.14	Desta de de
2				Hydrophytic Vegetation
		= Total Cov		Present? Yes Vo
% Bare Ground in Herb Stratum		- Total Con		
Remarks: VEGETATION COVER EST	TMATE	DBA	ASED	ON WINTER CONDITIONS,
			10.2.2	

Sampling Point:

2

Depth	Matrix			Features			statistics
(inches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0-6	10YR 2/1	98	10YR 4/6	2	_ <u>C</u>	_PL	SANDY CLAY LOAM
6-18	IOVR 3/1	98	IDYR 3/10	2	<u> </u>	PL	SANDY LOAM
					-		
					_		
Type: C=Co	ncentration, D=De	pletion, RM=	Reduced Matrix, CS	-Covered	or Coate	d Sand Gr	M1
		able to all	LRRs, unless otherv		ed.)		Indicators for Problematic Hydric Soils <sup>3</sup> :
_ Histosol	(A1) ipedon (A2)		Sandy Redox (S				2 cm Muck (A10)
Black His			Stripped Matrix ( Loamy Mucky Mi		Vovaant	MI DA 4	Red Parent Material (TF2)
	n Sulfide (A4)		Loamy Gleyed M			WILKA I)	<ul> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
	Below Dark Surfac	æ (A11)	Depleted Matrix				
	rk Surface (A12)		Kedox Dark Surf				<sup>3</sup> Indicators of hydrophytic vegetation and
	ucky Mineral (S1)		Depleted Dark S	urface (F	7)		wetland hydrology must be present,
	eyed Matrix (S4)	-	Redox Depressio	ons (F8)			unless disturbed or problematic.
Restrictive L	ayer (if present):						
Type:							I - Charles and the second
Depth (inc	hes):						Hydric Soil Present? Yes V No
	DP 3" FA	ROZEN	/.				
YDROLOG	GY rology Indicators:						
YDROLOG Vetland Hyd	GY rology Indicators ators (minimum of c		; check all that apply)				Secondary Indicators (2 or more required)
YDROLOC Vetland Hyd Primary Indica Surface V	GY rology Indicators: ators (minimum of o Water (A1)		; check all that apply) Water-Stain	ed Leave	0.1	ccept	Water-Stained Leaves (B9) (MLRA 1, 2
YDROLOO Vetland Hyd Primary Indica Surface V High Wat	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2)		; check all that apply Water-Stain MLRA 1,	ed Leave 2, 4A, an	0.1	ccept	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
YDROLOO Vetland Hyd Primary Indica Surface V High Wat Saturatio	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3)		<u>; check all that apply</u> Water-Stain MLRA 1, Salt Crust (I	ed Leave 2,4A, a 311)	nd 4B)	ccept	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
YDROLOO Vetland Hyd Primary Indica Surface V High Wat Saturation Water Ma	GY rology Indicators: ators (minimum of o Water (A1) er Table (A2) n (A3) urks (B1)		; check all that apply) Water-Stain MLRA 1, Salt Crust (I Aquatic Inve	ed Leave 2, 4A, an 311) ertebrates	nd 4B) ; (B13)	ccept	<ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2</li> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> </ul>
YDROLOG Vetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment	GY rology Indicators: ators (minimum of o Water (A1) er Table (A2) m (A3) arks (B1) t Deposits (B2)		; check all that apply) Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S	ed Leave 2, 4A, an 311) ertebrates ulfide Od	nd 4B) (B13) or (C1)		<ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2</li> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C3)</li> </ul>
YDROLOG Vetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo	GY rology Indicators: ators (minimum of o Water (A1) er Table (A2) m (A3) arks (B1) t Deposits (B2)		; check all that apply) Water-Stain MLRA 1, Salt Crust (f Aquatic Inve Hydrogen S Oxidized Rh	ed Leave 2, 4A, an 311) ertebrates ulfide Od izosphen	nd 4B) s (B13) or (C1) es along L	iving Roo	Water-Stained Leaves (B9) (MLRA 1, 2     4A, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C3     Geomorphic Position (D2)
YDROLOG Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat	GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) : Deposits (B2) osits (B3) : or Crust (B4)		Check all that apply Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of	ed Leave 2, 4A, an 311) ertebrates ulfide Od izosphene Reduced	nd 4B) (B13) or (C1) es along L d Iron (C4)	_iving Roo	Water-Stained Leaves (B9) (MLRA 1, 2     4A, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C3     Geomorphic Position (D2)     Shallow Aquitard (D3)
YDROLOG Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo	GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) : Deposits (B2) osits (B3) : or Crust (B4)		Check all that apply)  Water-Stain  MLRA 1,  Salt Crust (I  Aquatic Inve Hydrogen S  Oxidized Rh  Resence of  Recent Iron	ed Leave 2, 4A, au 311) ertebrates ulfide Od izosphen Reduced Reduced	nd 4B) s (B13) or (C1) es along I d Iron (C4) n in Tilled	iving Roo )   Soils (C6	Water-Stained Leaves (B9) (MLRA 1, 2     4A, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C3     Geomorphic Position (D2)     Shallow Aquitard (D3)     FAC-Neutral Test (D5)
YDROLOG Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S	GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) : Deposits (B2) osits (B3) : or Crust (B4) osits (B5)	ne required	Check all that apply Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S	ed Leave 2, 4A, au 311) ertebrates ulfide Od izosphere Reduced Reductio stressed I	nd 4B) (B13) or (C1) es along I d Iron (C4) n in Tilled Plants (D1	iving Roo )   Soils (C6	Water-Stained Leaves (B9) (MLRA 1, 2     4A, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C4     Saturation Visible on Aerial Imagery (C4     Saturation (D2)     Shallow Aquitard (D3)     ✓ FAC-Neutral Test (D5)     Raised Ant Mounds (D6) (LRR A)
YDROLOG Vetland Hyd Primary Indica Surface V High Wat Saturatio Vater Ma Sediment Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio	Context (A) SY Tology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) a Deposits (B2) posits (B3) or Crust (B4) posits (B5) Soil Cracks (B6)	me required	: check all that apply) Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S Other (Expla	ed Leave 2, 4A, au 311) ertebrates ulfide Od izosphere Reduced Reductio stressed I	nd 4B) (B13) or (C1) es along I d Iron (C4) n in Tilled Plants (D1	iving Roo )   Soils (C6	Water-Stained Leaves (B9) (MLRA 1, 2     4A, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C3     Geomorphic Position (D2)     Shallow Aquitard (D3)     FAC-Neutral Test (D5)
YDROLOG Vetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio Sparsely	GY rology Indicators: ators (minimum of of Water (A1) er Table (A2) n (A3) arks (B1) a Deposits (B2) posits (B3) or Crust (B4) posits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave	me required	: check all that apply) Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S Other (Expla	ed Leave 2, 4A, au 311) ertebrates ulfide Od izosphere Reduced Reductio stressed I	nd 4B) (B13) or (C1) es along I d Iron (C4) n in Tilled Plants (D1	iving Roo )   Soils (C6	Water-Stained Leaves (B9) (MLRA 1, 2     4A, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C4     Saturation Visible on Aerial Imagery (C4     Saturation (D2)     Shallow Aquitard (D3)     ✓ FAC-Neutral Test (D5)     Raised Ant Mounds (D6) (LRR A)
YDROLOG Vetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio Sparsely ield Observ	GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Goil Cracks (B6) n Visible on Aerial Vegetated Concave ations:	magery (B7 e Surface (B	: check all that apply) Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S Other (Expla	ed Leave 2, 4A, ai 311) rtebrates ulfide Od izosphen Reduceo Reductio itressed I ain in Rer	nd 4B) s (B13) or (C1) es along L d Iron (C4) n in Tilled Plants (D1 marks)	iving Roo )   Soils (C6	Water-Stained Leaves (B9) (MLRA 1, 2     4A, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C4     Saturation Visible on Aerial Imagery (C4     Saturation (D2)     Shallow Aquitard (D3)     ✓ FAC-Neutral Test (D5)     Raised Ant Mounds (D6) (LRR A)
YDROLOG Vetland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio Sparsely ield Observ urface Wate	GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) trks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Goil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y	magery (B7 Surface (B es N	Check all that apply Water-Stain MLRA 1, Salt Crust (f Aquatic Inve Hydrogen S Coxidized Rh Presence of Recent Iron Stunted or S Other (Explain (8)	ed Leave 2, 4A, al 311) rtebrates ulfide Od izosphene Reduceto Reductio tressed I ain in Rer	nd 4B) s (B13) or (C1) es along L d Iron (C4) n in Tilled Plants (D1 narks)	iving Roo )   Soils (C6	Water-Stained Leaves (B9) (MLRA 1, 2     4A, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C4     Saturation Visible on Aerial Imagery (C4     Saturation (D2)     Shallow Aquitard (D3)     ✓ FAC-Neutral Test (D5)     Raised Ant Mounds (D6) (LRR A)
YDROLOG Vetland Hyd Primary Indica Surface V High Wat Saturation Vater Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio Sparsely ield Observ Vater Table F aturation Pre ncludes capi	GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) trks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Present? Y lary fringe)	magery (B7 e Surface (B es N es N	Check all that apply  Water-Stain  MLRA 1,  Salt Crust (I  Aquatic Inve Hydrogen S Coxidized Rh Presence of Recent Iron Stunted or S Coxidized Rh Depth (inch No Depth (in	ed Leave 2, 4A, al 311) rtebrates ulfide Od izosphene Reduceto Reduceto tressed I ain in Rer es): es): es):	nd 4B) (B13) or (C1) es along L d Iron (C4) n in Tilled Plants (D1 narks)	iving Root ) Soils (C6 ) (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 (C4) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOG Vetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio Sparsely Veter Table F Saturation Pre- Includes capi	GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) trks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Present? Y lary fringe)	magery (B7 e Surface (B es N es N	Check all that apply Water-Stain MLRA 1, Salt Crust (I Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S Other (Explain B) Depth (inch-	ed Leave 2, 4A, al 311) rtebrates ulfide Od izosphene Reduceto Reduceto tressed I ain in Rer es): es): es):	nd 4B) or (C1) es along L d Iron (C4) n in Tilled Plants (D1 narks)	iving Root ) Soils (C6 ) (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 (C4) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOG Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mate Iron Depo Surface S Inundatio Sparsely Surface Wate Vater Table F Saturation Pre Includes capi Describe Reco	SY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) a Deposits (B2) osits (B3) or Crust (B4) osits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y esent? Y llary fringe) orded Data (stream	magery (B7 e Surface (B es N es N es N gauge, mol	Check all that apply  Water-Stain  MLRA 1,  Salt Crust (I  Aquatic Inve Hydrogen S  Oxidized Rh Presence of Recent Iron Stunted or S ) Other (Explain)  Depth (inch- No Depth	ed Leave 2, 4A, al 311) rtebrates ulfide Od izosphene Reduceto Reduceto tressed I ain in Rer es): es): es):	nd 4B) or (C1) es along L d Iron (C4) n in Tilled Plants (D1 narks)	iving Root ) Soils (C6 ) (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 (C4) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOG Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mate Iron Depo Surface S Inundatio Sparsely Surface Wate Vater Table F Saturation Pre Includes capi Describe Reco	GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) trks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Present? Y lary fringe)	magery (B7 e Surface (B es N es N es N gauge, mol	Check all that apply  Water-Stain  MLRA 1,  Salt Crust (I  Aquatic Inve Hydrogen S  Oxidized Rh Presence of Recent Iron Stunted or S ) Other (Explain)  Depth (inch- No Depth	ed Leave 2, 4A, al 311) rtebrates ulfide Od izosphene Reduceto Reduceto tressed I ain in Rer es): es): es):	nd 4B) or (C1) es along L d Iron (C4) n in Tilled Plants (D1 narks)	iving Root ) Soils (C6 ) (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 (C4) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOG Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mate Iron Depo Surface S Inundatio Sparsely Surface Wate Vater Table F Saturation Pre Includes capi Describe Reco	SY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) a Deposits (B2) osits (B3) or Crust (B4) osits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y esent? Y llary fringe) orded Data (stream	magery (B7 e Surface (B es N es N es N gauge, mol	Check all that apply  Water-Stain  MLRA 1,  Salt Crust (I  Aquatic Inve Hydrogen S  Oxidized Rh Presence of Recent Iron Stunted or S ) Other (Explain)  Depth (inch- No Depth	ed Leave 2, 4A, al 311) rtebrates ulfide Od izosphene Reduceto Reduceto tressed I ain in Rer es): es): es):	nd 4B) or (C1) es along L d Iron (C4) n in Tilled Plants (D1 narks)	iving Root ) Soils (C6 ) (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 (C4) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOG Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mate Iron Depo Surface S Inundatio Sparsely Surface Wate Vater Table F Saturation Pre Includes capi Describe Reco	SY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) a Deposits (B2) osits (B3) or Crust (B4) osits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y esent? Y llary fringe) orded Data (stream	magery (B7 e Surface (B es N es N es N gauge, mol	Check all that apply  Water-Stain  MLRA 1,  Salt Crust (I  Aquatic Inve Hydrogen S  Oxidized Rh Presence of Recent Iron Stunted or S ) Other (Explain)  Depth (inch- No Depth	ed Leave 2, 4A, al 311) rtebrates ulfide Od izosphene Reduceto Reduceto tressed I ain in Rer es): es): es):	nd 4B) or (C1) es along L d Iron (C4) n in Tilled Plants (D1 narks)	iving Root ) Soils (C6 ) (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 (C3) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C4) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

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

Project/Site: JENISHAY FARMS	City/County: EL PASO COUNTY Sampling Date: 1/25/21
Applicant/Owner: SHAY MILES, PE	State: <u>CO</u> Sampling Point: <u>A</u>
Investigator(s): S, CLARK	Section, Township, Range: S29, TIIS, R65W
Landform (hillslope, terrace, etc.): HILSLOPE	Local relief (concave, convex, none): CONCAVE Slope (%): 12
Subregion (LRR): E	.at: 39° 03′ 45.52″ N Long: 104°41′ 35,88″ W Datum: WG584
Soil Map Unit Name: 68-PEYTON-PRING COM	1 PLEX, 3-8 70 NWI classification: NONE
Are climatic / hydrologic conditions on the site typical for this tim	ne of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signi	ificantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology nature	rally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map sho	owing sampling point locations, transects, important features, etc.

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

# VEGETATION - Use scientific names of plants.

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Dominant Species
1	_			That Are OBL, FACW, or FAC: (A)
2	_			Total Number of Dominant
3				Total Number of Dominant Species Across All Strata: (B)
4				
		= Total Co	ver	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10)				That Are OBL, FACW, or FAC: (A/B)
1. JUNIPERUS SCOPULORUM	10%	V	UPL	Prevalence Index worksheet:
2			_ ×	Total % Cover of:Multiply by:
3				OBL species x 1 =
4.5				FACW species 5 x 2 = 10
4				FAC species $15 \times 3 = 45$
5	- 10			FACU species x 4 =
Herb Stratum (Plot size: 5')	10	= Total Co	ver	UPL species 72 x 5=360
	7		Uni	Column Totals: $92$ (A) $4/5$ (B)
1. ARTEMISIA FRIGIDA			UPL	
2. BROMUS INERMIS	60		OPL	Prevalence Index = $B/A = 4.5$
3. MACHAERANTHERA SP. **			FAC	Hydrophytic Vegetation Indicators:
4. FESTUCA Spit	10		FAC	1 - Rapid Test for Hydrophytic Vegetation
5. JUNCUS BALTICUS	5		FACW	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>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
11	01	1000		be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)	00	= Total Cov	/er	
1				
2	<u></u>			Hydrophytic Vegetation
2	_			Present? Yes No
% Bare Ground in Herb Stratum 10		= Total Cov	/er	
		1	From	
Remarks: * COULD BE RED FESCU ** COULD BE MACHAE	uc - F	AC (	csnu	CA RUBRA)
** COULD BE MACHAE	KANTHO	H CAN	18502	NS-FHC

л

Depth	Matrix		h needed to doc	lox Features			Construction of the	and the second sec
	or (moist)	%	Color (moist)	%		Loc <sup>2</sup>	Texture	Remarks
0-6 10Y	1R3/1	100					Sandy C	
6-18 101	R33	100					SANDYLO	
	-1-				_	_		
		_			_	_		
Type: C=Concentra	tion, D=Depl	letion, RM=F	Reduced Matrix, C	CS=Covered	or Coate	d Sand Gra	ins. <sup>2</sup> Locati	on: PL=Pore Lining, M=Matrix.
lydric Soil Indicato	rs: (Applica	able to all L	RRs, unless oth	erwise note	ed.)			for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		1.1.1.4	_ Sandy Redox					luck (A10)
Histic Epipedon ( Black Histic (A3)		17	_ Stripped Matri	and the second	1			rent Material (TF2)
Hydrogen Sulfide			Loamy Mucky Loamy Gleyed			MLRA 1)		hallow Dark Surface (TF12)
_ Depleted Below		(A11)	Depleted Matr				Other (	Explain in Remarks)
Thick Dark Surfa			Redox Dark S				<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy Mucky Mi		1	Depleted Dark		7)			hydrology must be present,
_ Sandy Gleyed M			Redox Depres	sions (F8)				isturbed or problematic.
Restrictive Layer (if	present):							
Type:			_					
Depth (inches): Remarks:	3" FF	ROZEN	REDOXI	MORE	Hic	FEAT		DT OBSERVED, BUT
Remarks: TOP TAY BE IS NOT F	3" FR PRESE FROZE	ROZEN. NT. J	REDOXI AREA SP	MORE	BE	FEAT		
Remarks: TOP TAY BE IS NOT F YDROLOGY	FROZE	ROZEN, NT. /	REDOXI AREA SP	MORP	BE	FEATU REV		
Remarks: TOP TAY BE IS NOT F YDROLOGY Vetland Hydrology	Indicators:	<i>v</i> .			BE	FEATU REV	IRES NO	DT OBSERVED, BUT WHEN THE GROOM
Remarks: TOP TAY BE IS NOT F YDROLOGY Vetland Hydrology	Indicators:	<i>v</i> .	check all that app				IRES NO	DT OBSERVED, 1307 WHEN THE GROOM
Remarks: TOP TAY BE IS NOT F YDROLOGY Vetland Hydrology Primary Indicators (m	Indicators:	<i>v</i> .	check all that app Water-Sta	oly)	s (B9) (e)		LRES NO ISITED <u>Secondar</u> Wate	DT OBSERVED, BUT WHEN THE GROOM
A AY BE TAY BE S NOT F YDROLOGY Vetland Hydrology Irimary Indicators (m _ Surface Water (A	Indicators:	<i>v</i> .	check all that app Water-Sta	oly) ained Leave	s (B9) (e)		LRES NO ISITED <u>Secondar</u> Wate 4/	DT OBSERVED, BOT WHEN THE GROOM THE GROOM The GROOM The State of the S
Remarks: TOP TAY BE IS NOT F YDROLOGY Vetland Hydrology Primary Indicators (m Surface Water (A High Water Table	Indicators: inimum of or (1) e (A2)	<i>v</i> .	<u>check all that app</u> Water-Sta Water-Sta MLRA	Dly) ained Leave 1 1, 2, 4A, ar t (B11)	s (B9) (e) nd 4B)		(RES No ISITED <u>Secondar</u> Wate 4) Drain	DT OBSERVED, BOT WHEN THE GROOM THE GROOM The Stained Leaves (B9) (MLRA 1, 2
Remarks: TOP TAY BE IS NOT F YDROLOGY Vetland Hydrology Irimary Indicators (m _ Surface Water (A _ High Water Table _ Saturation (A3) _ Water Marks (B1 _ Sediment Deposi	Indicators: inimum of or 11) e (A2) ) its (B2)	<i>v</i> .	<u>check all that app</u> Water-Sta Salt Crus Salt Crus Aquatic Ir	Dly) ained Leave 1 1, 2, 4A, ar t (B11)	s (B9) (e) nd 4B) ; (B13)		(RES No ISITED <u>SEcondar</u> Wate 4) Drair Dry-S	DT OBSERVED, IBUT WHEN THE GROOM r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) hage Patterns (B10) Season Water Table (C2)
Remarks: TOP TAY BE VS NOT F YDROLOGY Vetland Hydrology Irimary Indicators (m _ Surface Water (A _ High Water Table _ Saturation (A3) _ Water Marks (B1	Indicators: inimum of or 11) e (A2) ) its (B2)	<i>v</i> .	<u>check all that app</u> Water-Sta Salt Crus Salt Crus Aquatic Ir Hydrogen	bly) ained Leave 1, 2, 4A, ar t (B11) nvertebrates	s (B9) (e) nd 4B) ; (B13) or (C1)	ccept	LRES NO ISITED Secondar Wate Drair Dry-S Satur	DT OBSERVED, IBUT WHEN THE GROOM r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10)
Permarks: TOP TAY BE IS NOT F VDROLOGY Vetland Hydrology rimary Indicators (m Surface Water (A High Water Table Saturation (A3) Water Marks (B1 Sediment Deposit Drift Deposits (B3 Algal Mat or Crus	Indicators: inimum of or (1) (A2) ) its (B2) 3) st (B4)	<i>v</i> .	<u>check all that app</u> Water-Sta Salt Crus Aquatic Ir Hydrogen Oxidized	oly) ained Leave 1, 2, 4A, ar t (B11) nvertebrates n Sulfide Odd	s (B9) (ex nd 4B) ; (B13) or (C1) es along l	ccept	(C3) Geor	TOBSERVED, IBOT WHEN THE GROOM THEN THE GROOM The GROOM
Remarks: TOP TAY BE IS NOT F YDROLOGY Vetland Hydrology Vetland Hydrology Immary Indicators (m Surface Water (A High Water Table Saturation (A3) Water Marks (B1 Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B3	Indicators: inimum of or (1) (A2) (A2) (its (B2) (B4) (B4) (b)	<i>v</i> .	check all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydrogen Oxidized Presence	oly) ained Leave 1, 2, 4A, ar t (B11) nvertebrates n Sulfide Odo Rhizosphere	s (B9) (e) nd 4B) (B13) or (C1) es along 1 1 Iron (C4	ccept _iving Roots )	(C3) Satur (C3) Satur	TOBSERVED, 1307 WHEN THE GROOM r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) mage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C3 morphic Position (D2)
Remarks: TOP TAY BE IS NOT F YDROLOGY Vetland Hydrology Itimary Indicators (m Surface Water (A High Water Table Saturation (A3) Water Marks (B1 Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B3 Surface Soil Crac	Indicators: inimum of or (1) (A2) (A2) (its (B2) (B4) (5) (ks (B6)	N.	<u>check all that app</u> Water-Sta Salt Crus Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent In Stunted o	bly) ained Leave a <b>1, 2, 4A, a</b> r t (B11) nvertebrates a Sulfide Odd Rhizosphere of Reduced on Reduction or Stressed F	s (B9) (e) nd 4B) c (B13) or (C1) es along I t Iron (C4 n in Tilled Plants (D1	ccept iving Roots ) I Soils (C6)	(C3) Satur (C3) Satur (C3) Satur Satur Shall FAC-	TOBSERVED, 1307 WHEN THE GROOM r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) hage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C3 norphic Position (D2) ow Aquitard (D3)
Remarks: TOP TAY BE IS NOT F YDROLOGY Vetland Hydrology Primary Indicators (m Surface Water (A High Water Table Saturation (A3) Water Marks (B1 Sediment Deposits Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B3 Surface Soil Crac Surface Soil Crac Inundation Visible Sparsely Vegetat	Indicators: inimum of or (1) (A2) its (B2) (B4) (B4) (B4) (C) (C) (C) (C) (C) (C) (C) (C	ne required;	check all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Irr Stunted o Other (Ex	oly) ained Leave 1, 2, 4A, ar t (B11) nvertebrates a Sulfide Odd Rhizosphere of Reduced on Reduction	s (B9) (e) nd 4B) c (B13) or (C1) es along I t Iron (C4 n in Tilled Plants (D1	ccept iving Roots ) I Soils (C6)	(C3) Secondar Vate Vate 4/ Drain Dry-S Satu (C3) Geor Shall FAC- Raise	TOBSERVED, 1307 WHEN THE GROOM r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) rage Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C3 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5)
Remarks: TOP TAY BE IS NOT F YDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A High Water Table Saturation (A3) Water Marks (B1 Sediment Deposit Orlif Deposits (B3 Algal Mat or Crus Iron Deposits (B3 Surface Soil Crus Iron Deposits (B3 Surface Soil Crus Inundation Visible Sparsely Vegetat Field Observations:	Indicators: inimum of or (1) (A2) (A2) (A2) (A2) (A2) (A3) (B4) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4) (A3) (B4)	nagery (B7) Surface (BE	check all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydrogen Oxidized Presence Recent Ir Stunted o Other (Ex	bly) ained Leave (1, 2, 4A, ar (B11) nvertebrates of Sulfide Odd Rhizosphere of Reduced on Reduction or Stressed F plain in Ren	s (B9) (e) nd 4B) c (B13) or (C1) es along I t Iron (C4 n in Tilled Plants (D1	ccept iving Roots ) I Soils (C6)	(C3) Secondar Vate Vate 4/ Drain Dry-S Satu (C3) Geor Shall FAC- Raise	A not Applied to the text of text of the text of t
Remarks: TOP TAY BE IS NOT F YDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A High Water Table Saturation (A3) Water Marks (B1 Sediment Deposit Saturation (A3) Water Marks (B1 Sediment Deposits Drift Deposits (B3 Nift Deposits (B3 Surface Soil Crac Inon Deposits (B3 Surface Soil Crac Surface Soil Crac Surface Vater Present Surface Water Present	Indicators: inimum of or (1) (A2) its (B2) (B4) its (B4) (5) exts (B6) e on Aerial In ed Concave	nagery (B7) Surface (BE	<u>check all that app</u> Water-Sta MLRA Salt Crus Aquatic Ir Hydrogen Oxidized Presence Recent Ira Stunted o Other (Ex ))	ained Leave ained Leave 1, 2, 4A, ar t (B11) nvertebrates a Sulfide Odd Rhizosphere of Reduced on Reduction or Stressed F splain in Ren aches):	s (B9) (e) nd 4B) c (B13) or (C1) es along I t Iron (C4 n in Tilled Plants (D1	ccept iving Roots ) I Soils (C6)	(C3) Secondar Vate Vate 4/ Drain Dry-S Satu (C3) Geor Shall FAC- Raise	A and 4B) age Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
Remarks: TOP TAY BE IS NOT F YDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A High Water Table Saturation (A3) Water Marks (B1 Sediment Deposits (B3 Algal Mat or Crus Iron Deposits (B3 Surface Soil Crac Inundation Visible	Indicators: inimum of or (1) (A2) (A2) (A2) (A2) (A3) (A4	nagery (B7) Surface (B8	<u>check all that app</u> Water-Sta MLRA Salt Crus Aquatic Ir Hydrogen Oxidized Presence Recent Ira Stunted o Other (Ex ))	bly) ained Leave 1, 2, 4A, ar t (B11) nvertebrates n Sulfide Odd Rhizosphere of Reduced on Reduction or Reduction r Stressed F plain in Ren nches): nches):	s (B9) (e) nd 4B) c (B13) or (C1) es along I t Iron (C4 n in Tilled Plants (D1	ccept iving Roots ) I Soils (C6)	(C3) Secondar Vate Vate 4/ Drain Dry-S Satu (C3) Geor Shall FAC- Raise	A and 4B) age Patterns (B10) Season Water Table (C2) ration Visible on Aerial Imagery (C2) morphic Position (D2) ow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A)

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

Remarks: TOP 3" FROZEN. OUTSIDE OF THE GROWING SEASON, DID NOT APPEAR TO HAVE WETTAND HYDROLOGY. AREA SHOULD BE REVISITED WHEN THE GROUND IS NOT FROZEN.

(includes capillary fringe)

\_\_\_\_ Wetland Hydrology Present? Yes\_\_\_\_

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

City/County: EL PASO COUNTY Sampling Date: 1/25/21
State: Sampling Point:
Section, Township, Range: 529, TIIS, R65W
Local relief (concave, convex, none): NONE Slope (%):
9°03'46.03"N Long:104°41'35,61" W Datum: WGS84
EX 3-8 70 NWI classification: PEMIC
ear? Yes _ V/_ No (If no, explain in Remarks.)
y disturbed? Are "Normal Circumstances" present? Yes V No
oblematic? (If needed, explain any answers in Remarks.)
g sampling point locations, transects, important features, etc.

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

### VEGETATION - Use scientific names of plants.

	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% 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: (B)
4			Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: )		= Total Cover	That Are OBL, FACW, or FAC: (A/B)
			Prevalence Index worksheet:
1			Total % Cover of: Multiply by:
2			OBL species x 1 =
3			FACW species 30 x 2 = 60
4			FAC species 10 x3= 30
5			FACU species $19 \times 4 = 76$
Herb Stratum (Plot size: 5)		= Total Cover	UPL species x 5 =
1. ACHILLEA MILLEFOLIUM	2	FACU	Column Totals: 59 (A) 166 (B)
2. PASCOPYRUM SMITHI	15	V FACU	
3. DISTICHLIS SPICAT A	30	V FACW	Prevalence Index = B/A = 2.81
4. BREAKIA LINGERAR	B	Enth	Hydrophytic Vegetation Indicators:
5. FESTUCA Sp.+	10	FAC	1 - Rapid Test for Hydrophytic Vegetation
6. PENSTEMON SP. **	2	FACU	2 - Dominance Test is >50%
	A		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)
11			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	59	= Total Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)			-
1			Hydrophytic
2			Vegetation
. 1.		= Total Cover	Present? Yes No
% Bare Ground in Herb Stratum 4/			
Remarks: * COULD BE RED FESC	UE-F	AC (FESTA	(CARUBRA)
** LIKELY PENSTEMON SPECI	ES AR	E FACU.	
HARD TO SEE PLANTS-	2-3'	OF SNOW	0°

US Army Corps of Engineers

Sampling Point:

5

Depth <u>Mati</u> (inches) Color (mois	UV I						the absence	
		%	Color (moist)	ox Feature %	S Type <sup>1</sup>	Loc <sup>2</sup>	Taxtura	Portector
0-4 IDYR3	/		DYR4/6		C	PL	Texture	Remarks
1 10	1		0164/0	4		TL		CLAYLOAM
4-18 104R3	21	00					SANDY	LOAM
				-	<u> </u>			<u></u>
						_		
		_						
Type: C=Concentration D=	Depletie	DIA-D					. 2	
Type: C=Concentration, D= Hydric Soil Indicators: (Ap	plicable	e to all I R	Rs unless othe	S=Covere	d or Coate	d Sand Gr		cation: PL=Pore Lining, M=Matrix.
Histosol (A1)	prisable	o to un Ert	Sandy Redox (		cu.j			ors for Problematic Hydric Soils <sup>3</sup> :
Histic Epipedon (A2)		-	Stripped Matrix					n Muck (A10) I Parent Material (TF2)
Black Histic (A3)			Loamy Mucky I		I) (except	MLRA 1)		y Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)			Loamy Gleyed					er (Explain in Remarks)
Depleted Below Dark Su			Depleted Matri					
Thick Dark Surface (A12		Y	Redox Dark Su					ors of hydrophytic vegetation and
Sandy Mucky Mineral (S Sandy Gleyed Matrix (S4		-	Depleted Dark		7)			nd hydrology must be present,
Restrictive Layer (if presen		-	Redox Depress	sions (F8)			unles	s disturbed or problematic.
Type:								
Depth (inches):			-					Present? Yes Vo No
Remarks: TOP 3" F	-K07	EN. A	AREA SH	OULP	BE	REVL	SITED U	WHEN THE GROUND
	ors:							
Wetland Hydrology Indicate		equired; c	neck all that appl	y)			Secor	ndary Indicators (2 or more required)
Wetland Hydrology Indicate		equired; c	heck all that appl		es (B9) (e)	cept		ndary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2
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Wetland Hydrology Indicato Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)		equired; c	Water-Sta MLRA	ined Leave <b>1, 2, 4A,</b> a (B11)	ind 4B)	cept	v	/ater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
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# WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region

Project/Site: JENISHAY FARMS	City/County: EL PASO COUNTY Sampling Date: 1/25/21
Applicant/Owner: SHAY MILES, PE	State: Sampling Point:
Investigator(s): S. CLARK	Section, Township, Range: <u>S29, T115, R65W</u>
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none): NONE Slope (%): O
Subregion (LRR):	Lat: 39°03'43.83"N Long: 10494'36,52"W Datum: WG584
Soil Map Unit Name: 68-PEYTON-PRING	COMPLEX, 3-870 NWI classification: PEMIC
Are climatic / hydrologic conditions on the site typical for this t	time of year? Yes V No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology sig	gnificantly disturbed? Are "Normal Circumstances" present? Yes Kara No
Are Vegetation, Soil, or Hydrology na	aturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map s	showing sampling point locations, transects, important features, etc.

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

### VEGETATION - Use scientific names of plants.

and all the second s	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size:)		Species?		Number of Dominant Species 3
1				That Are OBL, FACW, or FAC: (A)
2	<u></u>			Total Number of Dominant
3		-	1000	Total Number of Dominant 3 (B)
4				Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10/)	-	= Total Co	ver	That Are OBL, FACW, or FAC:(A/B)
	30	. /	FORI	Prevalence Index worksheet:
1. SALIX EXIGUA		-	FACW	Total % Cover of:Multiply by:
2				OBL species x1 =
3				FACW species $120 \times 2 = 140$
4				FAC species $5 \times 3 = 15$
5				FAC species $5 \times 3 = 15$ FACU species $5 \times 4 = 20$
-1	30	= Total Co	ver	
Herb Stratum (Plot size:)			-	UPL species $15 \times 5 = 75$
1. JUNCUS BALTICUS	90	V	FACW	Column Totals:(A)(B)
2. BROMUS INERMIS	15	_	UPL	Prevalence Index = B/A = 1.72
3. DISTICITUS SPICATA	30	V	FACW	Hydrophytic Vegetation Indicators:
4. ARTEMISIA LUDOVICIANA	5		FACU	✓ 1 - Rapid Test for Hydrophytic Vegetation
5. MACHAERANTHERA SP. *	5		FAC	2 - Dominance Test is >50%
6			_	$\checkmark$ 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				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
11	116	= Total Cov		be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: )	115	= Total Cov	/er	
1				
2				Hydrophytic Vegetation
2		- T-1-1 0-1		Present? Yes No
% Bare Ground in Herb Stratum		= Total Cov	lei	
Remarks: * COULD BE MACHAER	NATTICE	D On	LICCAC	ING-FRA
FOULD DE FINCHACK	HNITICE	iri ch	NGSCO	CNJ FAC

#### SOIL

Sampling Point:

6

Depth	Matrix			Features	5					
inches)	Color (moist)	%	Color (moist)	_%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		1	Remarks
>-12	104R3/1	95	IDYR416	5	C	PL	SANDY	LOAM		
					100				007	
_										
								-		
							_			
VDe' C=Cr	incentration D=Den	letion PM-	Reduced Matrix, CS:	Covered	ar Center	Cand Ca	2			
dric Soil I	ndicators: (Applic	able to all	LRRs, unless other	vise note	ed.)	a Sand Gra		tors for Pr	_=Pore	Lining, M=Matrix. atic Hydric Soils <sup>3</sup> :
Histosol			Sandy Redox (S					m Muck (A		auc riyune sons .
	ipedon (A2)		Stripped Matrix (					d Parent M		(TE2)
Black His			Loamy Mucky M		) (except	MLRA 1)				Surface (TF12)
	n Sulfide (A4)	1.00	Loamy Gleyed M					her (Explain		
	Below Dark Surface	e (A11)	Depleted Matrix	(F3)						
	rk Surface (A12)	- C.	Redox Dark Surf				<sup>3</sup> Indica	tors of hydr	ophyti	c vegetation and
	ucky Mineral (S1)		Depleted Dark S		7)		wet	and hydrold	ogy mi	ust be present,
	leyed Matrix (S4)	1.1.1.8	Redox Depression	ons (F8)	-		unle	ss disturbe	d or p	roblematic.
2.000.000	ayer (if present):									
Type:			-				Same			1
Death Con	bis she								N . M.	
							Hydric So	il Present?	r re	No
emarks: DROLOG etland Hyd	GY Irology Indicators:						Hydric So	Il Present?	rre	s_vNo
DROLOG etland Hyd	GY irology Indicators: ators (minimum of o	ne required	; check all that apply)							(2 or more required)
DROLOG Mary Indica Surface \	GY Irology Indicators: ators (minimum of o Nater (A1)	ne required	; check all that apply) Water-Stain		s (B9) (ex	cept	Sect	ondary Indic	cators	
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Wed, Feb 10, 2021,11:29 AM

Samantha,

Based on the information provided - My determination for the water crossing is jurisdictional therefore, with the delineation data already collected; this is my advice for the proposed crossing - If the proposed crossing action stays within the following requirements below, it may qualify for Non-reporting - NWP 14 – Linear Transportation Projects

10/404

• 1/2 acre in nontidal waters

• >1/10 acre • discharges into special aquatic sites

yes, if PCN required

all waters of the U.S. Add notes referencing concepts from definition of "single and complete linear project" and 33 CFR 330.6(d).

Temporary fills must be removed in their entirety and the affected areas returned to preconstruction elevations. Does not authorize storage buildings, parking lots, train stations, aircraft hangars, or other non-linear

transportation features.

If the above conditions cannot be achieved, then submittal of a PCN is required. Please reference NWP-14 General condition 32 for step by step instructions on what documentation is required.

Any questions, please do not hesitate to contact me.

Tony

Tony Martinez, R.E.M.

Regulatory Project Manager | Southern Colorado Regulatory Branch | 201 W. 8th Street | Pueblo, CO. | 81003 Teleworking Phone Number: (719) 600.8641 | Email: joseph.a.martinez@usace.army.mil