

March 25, 2022

U.S. Army Corps of Engineers Albuquerque District-Pueblo Regulatory Office 201 West 8th 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:
 - o 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.

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-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	N/A Apparently isolated from downstream WOTUS		N/A
WT-A19	Wetland	38.973737	-104.675815	N/A	Apparently isolated from downstream WOTUS	0.008	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-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 (Attachment II: PL 01). The drainage channel was directed south, parallel 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 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-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 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-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 the access road (Attachment II: PL 7). No evidence of continuation of the swale 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.

Natalie Graves

Natural Resources Project Manager

atalie Drawes

REFERENCES

- FEMA (Federal Emergency Management Agency). 2022. National Flood Hazard Layer. FEMA Flood Map Service Center. https://msc.fema.gov/portal/home. Accessed March 2022.
- Google Earth. 2022. Google Earth Pro. El Paso County, Colorado. Imagery Dates: September 1999, October 2005, June 2017, October 2019, May 2020. Accessed March 2022.
- NWS (National Weather Service). 2022. NWS Forecast Office Pueblo, Colorado. https://www.weather.gov/pub/. Accessed March 2022.
- USFWS (U.S. Fish and Wildlife Service). 2012. Preble's Meadow Jumping Mouse Block Clearance Map: Colorado Springs. Updated February 23, 2012. https://www.fws.gov/mountainprairie/es/species/mammals/preble/BLOCK_CLEARANCE/2-8-2012_CO_Springs_Prebles_Block_Clearance_Map_USFWS_REDUCED.pdf. Accessed March 2022.
- USFWS. 2022. Information for Planning and Consultation. https://ecos.fws.gov/ipac/. Accessed March 2022.



ATTACHMENT I JURISDICTIONAL DETERMINATION REQUEST FORM

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:

Street Address:	C	Dity:	County:				
State: Zip: Section:	Township:	Range:	County:				
Latitude (decimal degrees): Lor	igitude (decimal c	degrees):					
Latitude (decimal degrees): Lor The approximate size of the review area for the JD i	s acr	res. (Please attach	n location map)				
Choose one:		Choose one:					
I currently own this property.	1	-	an Approved JD.				
I plan to purchase this property.			a Preliminary JD.				
I am an agent/consultant acting on behalf of the r	equestor		to which JD I would like to request and require				
Other:	equesion.		ormation to inform my decision.				
Reason for request: (check all that apply)		additiona	Anidion to interm my decicion.				
I intend to construct/develop a project or perform	activities on this	narcel/review area	which would be designed to avoid all aquatic				
resources.	douvides on alle	paroc., 1011011 222	Willow Would be designed to diverd all aqualle				
I intend to construct/develop a project or perform	activities on this	parcel/review area	which would be designed to avoid all				
jurisdictional aquatic resources under Corps au			١				
I intend to construct/develop a project or perform	activities on this p						
Corps, and the JD would be used to avoid and							
future permitting process.		•					
I intend to construct/develop a project or perform							
Corps; this request is accompanied by my perm							
I intend to construct/develop a project or perform			U.S. which is included on the district's list of				
navigable waters under Section 10 of the River		ct of 1899.					
A JD is required in order to obtain my local/state a							
I intend to contest jurisdiction over a particular aq		nd request the Corp	ps confirm that jurisdiction does/does not exist				
over the aquatic resource on the parcel/review.							
I believe that the parcel/review area may be comp	orised entirely of o	dry land.					
Other:							
Attached Information:							
	Maps depicting the general location and aquatic resources within the review area consistent with Map and Drawing Standards for						
the South Pacific Division Regulatory Program							
http://www.spd.usace.army.mil/Missions/Regulatory/Public-Notices-and-References/Article/651327/updated-map-and-drawing-							
standards/) Agustia Resources Delinection Report consistent with current wetland and ordinary high water mark delinection manual/cumplements							
Aquatic Resources Delineation Report consistent with current wetland and ordinary high water mark delineation manual/supplements available at: http://www.spa.usace.army.mil/Missions/Regulatory-Program-and-Permits/Jurisdiction/							
By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with							
such authority, to and do hereby grant Corps personnel right of entry to legally access the site if needed to perform the JD. Your							
signature shall be an affirmation that you possess the requisite property rights to request a JD on the subject property.							
*Signature:	Date:						
Name:	Company r	name:					
Address:							
Telephone:	Email:						

*Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program 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.

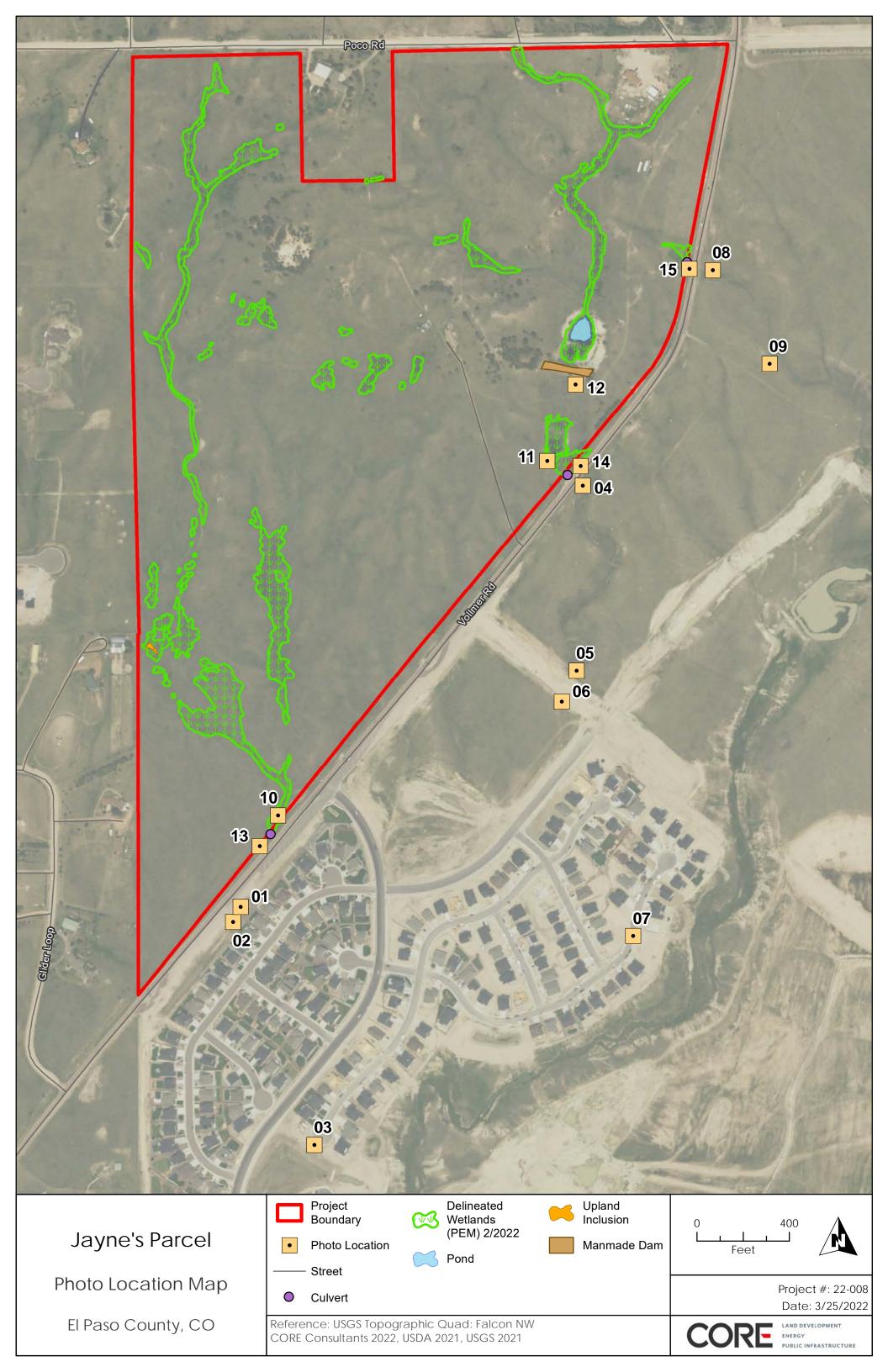




Photo Location 15. Culvert inlet near WT-A38 directed southeast offsite under Vollmer Road.



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



Table of Contents

1 INTRODU	JCTION1
2 REGULA	TORY SETTING1
3 METHOD	OS2
3.1 Des	ktop Review2
3.2 Field	d Survey2
4 RESULTS	5
4.1 Des	ktop Review5
4.2 Field	d Survey9
5 CONCL	JSIONS
6 REFEREN	ICES15
<u>FIGURES</u>	
Figure 3.1	Project Location Map4
Figure 4.1	Surface Waters Map6
Figure 4.2	FEMA Flood Hazard Map7
Figure 4.3	Soils Map8
Figure 4.4	Potential WOTUS Location Map
<u>TABLES</u>	
Table 3.1	Wetland Indicator Status
Table 4.1	Plant Species Observed in the Study Area10
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					



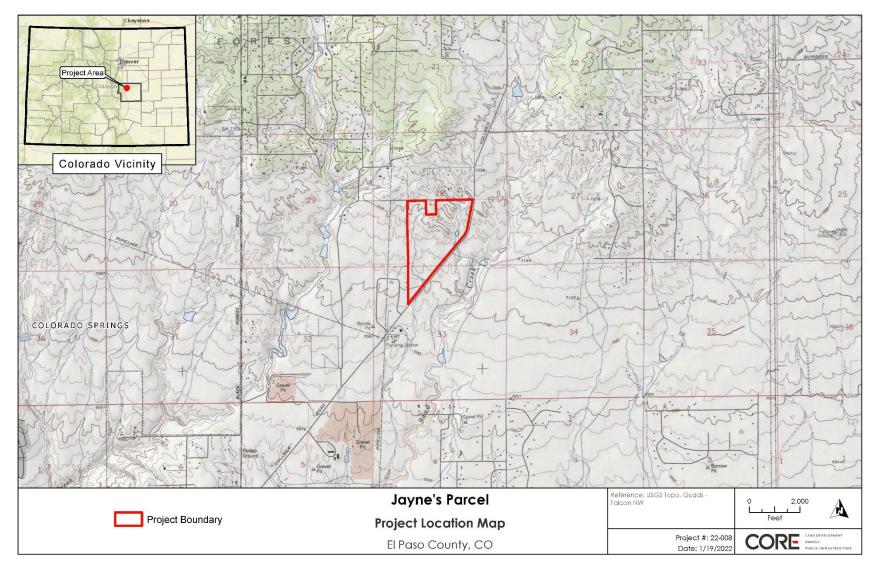


Figure 3.1 Project Location Map



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).



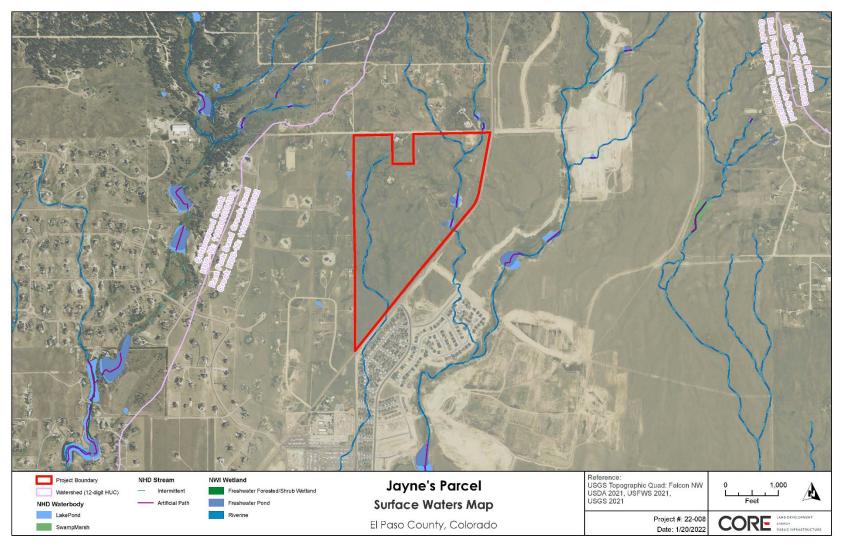


Figure 4.1 Surface Waters Map



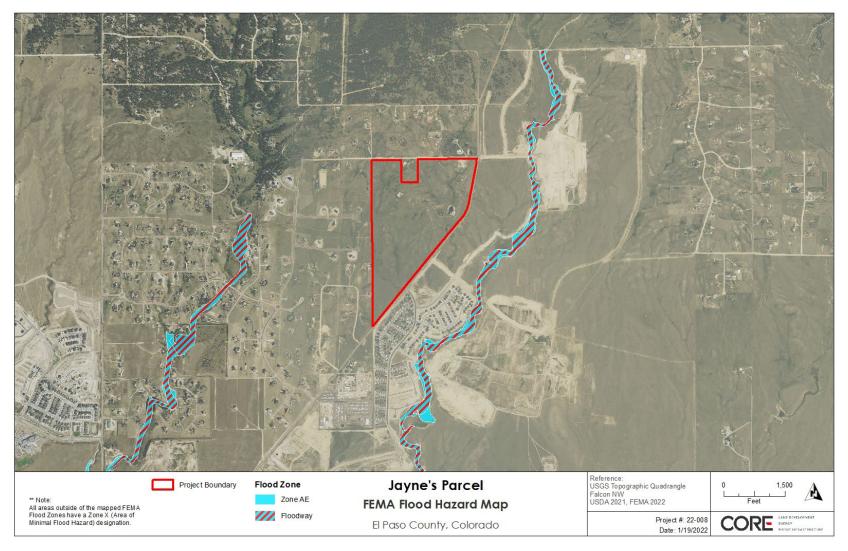


Figure 4.2 FEMA Flood Hazard Map



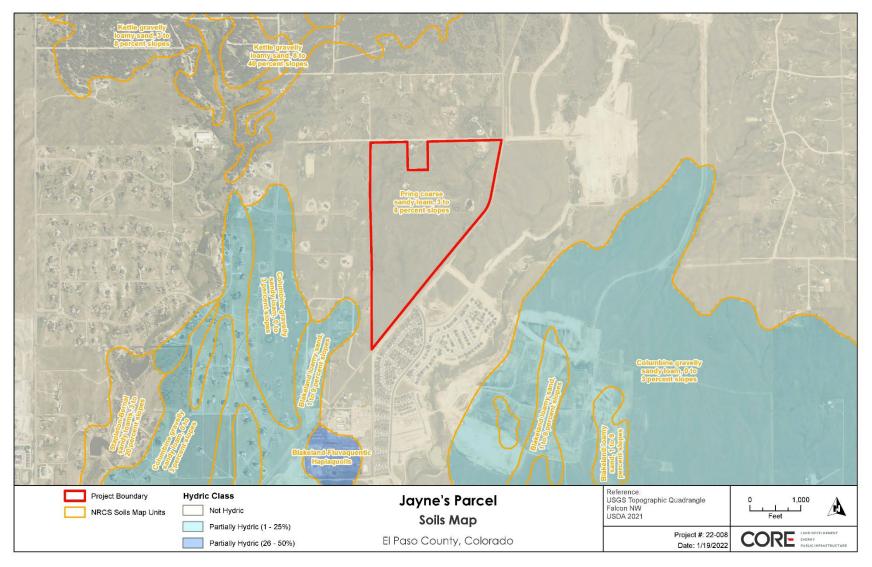


Figure 4.3 Soils Map



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 ≤ 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

TABLE 4.1 PLANT SPECIES OBSERVED IN SCIENTIFIC NAME	COMMON NAME	WETLAND INDICATOR STATUS
	AMINOIDS/RUSHES/SEDGES	31A103
Agrostis cf. gigantea	Redtop bent	FAC
Andropogon gerardii	Big bluestem	FACU
	Purple three-awn	UPL
Aristida purpurea Bouteloua gracilis		UPL
	Blue grama	UPL
Bromus inermis	Smooth brome	
Bromus tectorum ¹	Cheatgrass	UPL
Carex sp.	Sedge	Various
Dactylis glomerata	Orchard grass	FACU
Eleocharis sp.	Spikerush	FACW or OBL
Elymus canadensis	Canada wildrye	FAC
Elymus elymoides	Squirreltail	FACU
Elymus trachycaulus	Slender wheatgrass	FAC
Eragrostis sp.	Lovegrass	Various
Festuca sp.	Fescue	Various
Hordeum jubatum	Foxtail barley	FAC
Juncus arcticus	Arctic rush	FACW
Juncus dudleyi	Path rush	FAC
Koeleria macrantha	Junegrass	UPL
Muhlenbergia montana	Mountain muhly	UPL
Pascopyrum smithii	Western wheatgrass	FACU
Poa pratensis	Kentucky bluegrass	FAC
Schizachyrium scoparium	Little bluestem	FACU
Schoenoplectus tabernaemontani	Softstem bulrush	OBL
Setaria sp.	Foxtail	Various
Sporobolus cryptandrus	Sand dropseed	FACU
Sporobolus heterolepis	Prairie dropseed	FACU
	FORBS/VINES/CACTI	
Achillea millefolium	Common yarrow	FACU
Alisma sp.	Water-plantain	OBL
Alyssum cf. desertorum	Desert madwort	UPL
Antennaria sp.	Pussytoes	Variable
Artemisia ludoviciana	Louisiana sagewort	FACU
Artemisia sp.	Wormwood	Variable
Asclepias speciosa	Showy milkweed	FAC
Bassia scoparia	Kochia	FAC
Carduus nutans ¹	Musk thistle	UPL
		UPL
Centaurea diffusa ¹	Diffuse knapweed	UFL



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

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



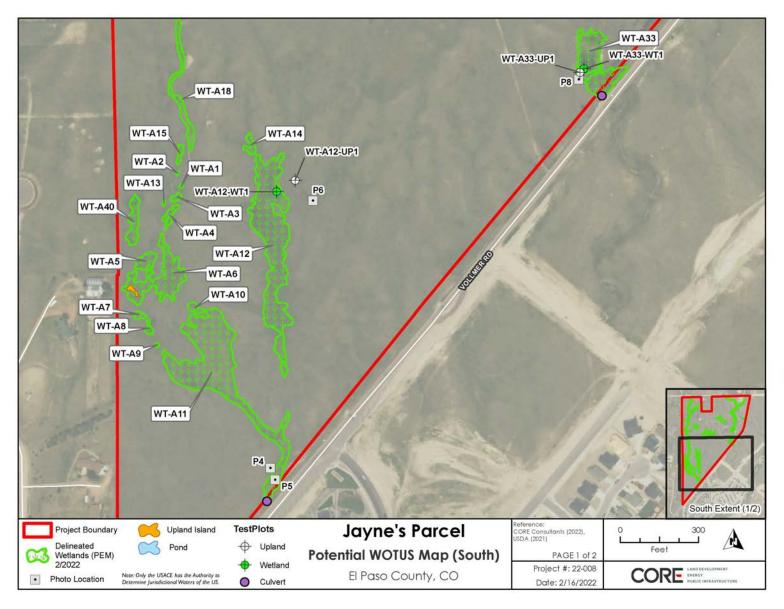


Figure 4.4 Potential WOTUS Location Map (South)



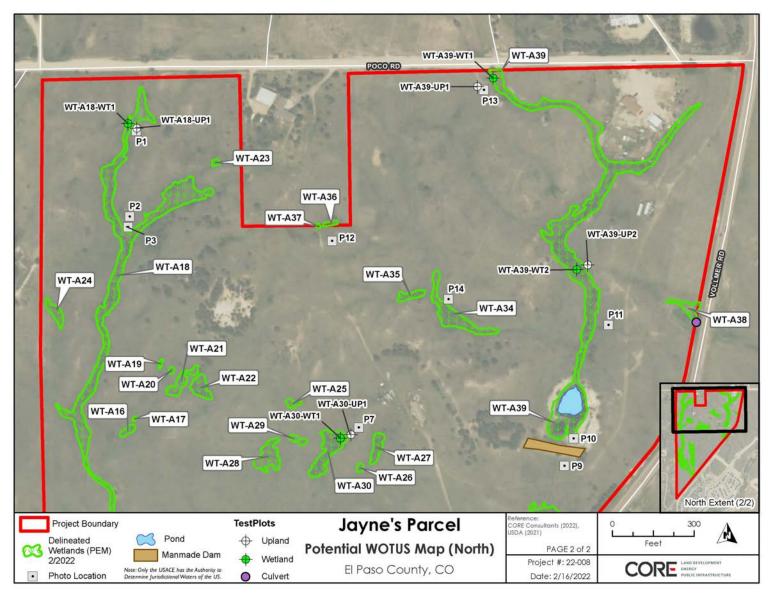


Figure 4.4 Potential WOTUS Location Map (North)



5 CONCLUSIONS

CORE delineated the boundary of 38 PEM wetlands and one pond within the Study Area. The 141-acre 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.



6 REFERENCES

- Ackerfield, Jennifer. 2015. Flora of Colorado. Fort Worth: BRIT Press, 2015.
- CDPHE (Colorado Department of Public Health and Environment). 2017. State of Colorado Water Quality Certification: fulfilling the requirements of Clean Water Act Section 401 https://www.colorado.gov/pacific/sites/default/files/WQ_401GeneralBrochure_JAN2017. pdf.
- Chapman, S.S., Griffith, G.E., Omernik, J.M., Price, A.B., Freeouf, J., and Schrupp, D.L. 2006. Ecoregions of Colorado (color poster with map, descriptive text, summary tables, and photographs): Reston, Virginia, U.S. Geological Survey (map scale 1:1,200,000).
- Colorado Department of Agriculture. 2022. Colorado Noxious Weeds List. https://www.colorado.gov/pacific/agconservation/noxious-weed-species. Accessed February 2022.
- EPA (U.S. Environmental Protection Agency). 2020. The Navigable Waters Protection Rule:

 Definition of "Waters of the United States". 85 FR 22250.

 https://www.federalregister.gov/documents/2020/04/21/2020-02500/the-navigable-waters-protection-rule-definition-of-waters-of-the-united-states. Accessed February 2022.
- EPA . 2021a. Definition of "Waters of the United States": Rule Status and Litigation Update. August 30, 2021. https://www.epa.gov/nwpr/definition-waters-united-states-rule-status-and-litigation-update. Accessed February 2022.
- EPA. 2021b. EPA and Army Take Action to Provide Certainty for the Definition of WOTUS. December 7, 2021. https://www.epa.gov/newsreleases/epa-and-army-take-action-provide-certaintydefinition-wotus. Accessed February 2022.
- FEMA (Federal Emergency Management Agency). 2022. National Flood Hazard Layer. FEMA Flood Map Service Center. https://msc.fema.gov/portal/home. Accessed February 2022.
- Soil Survey Staff, Natural Resources Conservation Service, and United States Department of Agriculture. Official Soil Series Descriptions. https://soilseries.sc.egov.usda.gov/OSD_Docs/P/PRING.html. Accessed February 2022.
- USACE (U.S. Army Corps of Engineers). 1987. Wetlands Delineation Manual. Wetlands Research Program Technical Report Y-87-1. Waterways Experiment Station Environmental Laboratory. https://usace.contentdm.oclc.org/digital/collection/p266001coll1/id/4532/. Accessed February 2022.
- USACE. 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0). Engineer Research and Development Center. Environmental Laboratory. ERDC/EL TR-103. https://usace.contentdm.oclc.org/utils/getfile/collection/p266001coll1/id/7613. Accessed February 2022.

15



- USACE. 2014. A Guide to Ordinary High Water Mark (OHWM) Delineation for Non-Perennial Streams in the Western Mountains, Valleys, and Coast Region of the United States. ERDC/CRREL TR-14-13. https://usace.contentdm.oclc.org/digital/collection/p266001coll1/id/3691/. Accessed February 2022.
- USACE. 2021. 2020 National Wetland Plant List. Engineer Research and Development Center Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire. https://cwbi-app.sec.usace.army.mil/nwpl_static/v34/home/home.html. Accessed February 2022.
- USDA (U.S. Department of Agriculture). 2021a. National Agriculture Imagery Program (NAIP). Collected 7/28/21; Published 12/16/2021. https://nrcs.app.box.com/v/naip. Accessed February 2022.
- USDA. 2021b. Soil Survey Geographic (SSURGO) database for El Paso County, Colorado. Natural Resources Conservation Service. https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm. Accessed February 2022.
- USFWS (US Fish and Wildlife Service). 2021. National Wetlands Inventory (NWI). https://www.fws.gov/wetlands/data/state-downloads.html. Accessed February 2022.
- USGS (U.S. Geological Survey). 2019. U.S. Geological Survey 7.5-Minute Topographic Maps. Falcon NW, Colorado. https://apps.nationalmap.gov/downloader/#/. Accessed February 2022.
- USGS. 2021. National Hydrography Dataset (NHD). https://www.usgs.gov/core-science-systems/ngp/national-hydrography. Accessed February 2022.



APPENDIX A

Wetland Determination Data Forms

Project/Site: Jayne's Parcel		Sampling Date: 2/1/22				
•	State: CO Sampling Point:WT-A12-UF					
Investigator(s): S. Clark		Section	n, Township, Ra	ange: S28 and 33, T12S	, R65W	
Landform (hillslope, terrace, etc.): terrace						
Subregion (LRR): E						
Soil Map Unit Name: Pring coarse sandy loam, 3-8%				NWI classific		
Are climatic / hydrologic conditions on the site typical for						
Are Vegetation, Soil, or Hydrology	-				present? Yes X No _	
Are Vegetation, Soil, or Hydrology				eeded, explain any answe		
SUMMARY OF FINDINGS – Attach site ma					•	etc.
	No <u>X</u>		, 3 p ·		, p	
	No X		Is the Sample		V	
Wetland Hydrology Present? Yes			within a Wetla	nd? Yes	No <u>×</u>	
remains.						
VEGETATION – Use scientific names of pl	ants.					
NA			inant Indicator	Dominance Test work	sheet:	
Tree Stratum (Plot size: NA) 1	·		sies? Status	Number of Dominant S That Are OBL, FACW,		A)
2				Total Number of Domin Species Across All Stra		В)
4.		 _ = Tota	al Cover	Percent of Dominant S That Are OBL, FACW,	pecies	A/B)
Sapling/Shrub Stratum (Plot size: NA)				Prevalence Index wor		
1				Total % Cover of:		
2				OBL species 0	x 1 = 0	
3					x 2 = 0	
4				FAC species 0	x 3 = 0	
5				FACU species 30	x 4 = 120	
Herb Stratum (Plot size: 5'		_= 100	al Cover	UPL species 50	x 5 = 250	
1. Artemisia ludoviciana	10		<u>FACU</u>	Column Totals: 80	070	(B)
2. Schizachyrium scoparium	20	х	UPL	Prevalence Index		
3. Bouteloua gracilis	20	Х	UPL	Hydrophytic Vegetation		
4. Aristida purpurea	10		UPL	1 - Rapid Test for I		
5. Sporobolus heterolepis	10		FACU_	2 - Dominance Tes		
6. Symphyotrichum cf. falcatum	10		FACU	3 - Prevalence Inde	ex is ≤3.0 ¹	
7				4 - Morphological A	Adaptations ¹ (Provide suppor	rting
8				data in Remark	s or on a separate sheet)	•
9				5 - Wetland Non-V		
10					phytic Vegetation ¹ (Explain)	
11				¹ Indicators of hydric soil be present, unless distri	il and wetland hydrology mus	st
Woody Vine Stratum (Plot size: NA	60	_= Tota	al Cover	be present, unless dist	arbed of problematic.	
1				Hydrophytic Vegetation		
2			ol Cover		s No_X	
% Bare Ground in Herb Stratum 40		_= 1018	al Cover			
Based on the time of year, species id on the landscape.	entificatior	ns w	ere made l	oased on remnan	t foliage and position	on

Sampling Point: WT-A12-UP1

Profile Desc	ription: (Describe	to the depth	needed to docu	ment the i	ndicator	or confirm	the absen	ce of indicators.)
Depth	Matrix		Redo	ox Features	3			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/1	100					Sandy Ioan	n
<u> </u>							-	
·							-	
				_				
¹ Type: C=C	oncentration, D=De	oletion, RM=R	Reduced Matrix, C	S=Covered	d or Coate	d Sand Gr	ains. ² I	Location: PL=Pore Lining, M=Matrix.
	Indicators: (Applic							ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Redox ((S5)			2	cm Muck (A10)
_	oipedon (A2)	_	Stripped Matrix					Red Parent Material (TF2)
	stic (A3)	_	Loamy Mucky		l) (except	MLRA 1)		'ery Shallow Dark Surface (TF12)
Hydroge	en Sulfide (A4)	_	_ Loamy Gleyed	Matrix (F2)		c	Other (Explain in Remarks)
Deplete	d Below Dark Surfac	ce (A11)	_ Depleted Matri	x (F3)				
Thick Da	ark Surface (A12)	_	_ Redox Dark Su	urface (F6)			³ Indic	ators of hydrophytic vegetation and
Sandy N	lucky Mineral (S1)	_	_ Depleted Dark		7)			etland hydrology must be present,
-	Bleyed Matrix (S4)		_ Redox Depres	sions (F8)			un	less disturbed or problematic.
	Layer (if present):							
Type: Fro								
Depth (in	ches): <u>7</u>						Hydric S	oil Present? Yes No X
Remarks:								
Unlikely t	o be hydric d	ue to plar	nt communit	y and la	andsca	ipe pos	sition.	
HYDROLO	GY							
Wetland Hy	drology Indicators	:						
Primary India	cators (minimum of	one required;	check all that app	ly)			<u>Se</u>	condary Indicators (2 or more required)
Surface	Water (A1)		Water-Sta	ained Leave	es (B9) (e	xcept		Water-Stained Leaves (B9) (MLRA 1, 2,
High Wa	ater Table (A2)		MLRA	1, 2, 4A, a	nd 4B)			4A, and 4B)
Saturation			Salt Crus		,			Drainage Patterns (B10)
Water M	` '		Aquatic Ir		s (B13)			Dry-Season Water Table (C2)
	nt Deposits (B2)			Sulfide Oc				Saturation Visible on Aerial Imagery (C9)
	posits (B3)			Rhizosphei		Livina Roo	ots (C3)	Geomorphic Position (D2)
	at or Crust (B4)		Presence					Shallow Aquitard (D3)
	posits (B5)		Recent Ire		•	•		FAC-Neutral Test (D5)
-	Soil Cracks (B6)		Stunted o					Raised Ant Mounds (D6) (LRR A)
	on Visible on Aerial	Imagery (B7)				., (=::::7:,	•	Frost-Heave Hummocks (D7)
	Vegetated Concav			piairimite	markoj			Trost ricave riaminosko (Br)
Field Obser	-	C Garlage (Be	·)					
Surface Wat		Voc. N	Donth (in	achoo):				
			Depth (ir					
Water Table			Depth (ir					Y
Saturation P		res No	Depth (ir	nches):		_ Wetla	and Hydrol	ogy Present? Yes No X
(includes car Describe Re	corded Data (strean	n gauge, mon	itoring well. aerial	photos, pre	evious ins	pections) i	if available:	
	2 (011 0411	J 30, 111011		, (00, pi				
Domarica								
Remarks:	o have wetla	nd hydrol	oav due to l	andeca	ne nos	eition		
Junicely (o nave wellal	ia riyardi	ogy due to i	uiiusua	pe pos	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

Project/Site: Jayne's Parcel	(City/Co	ounty: El Paso		Sampling Date:	2/1/22
•	State: CO Sampling Point: WT-A12-V					
				nge: S28 and 33, T12S		
				convex, none): none		nne (%)· 0
Subregion (LRR): E						
Soil Map Unit Name: Pring coarse sandy loam, 3-8%				NWI classific		
Are climatic / hydrologic conditions on the site typical for t						
	-					No
Are Vegetation, Soil, or Hydrology				'Normal Circumstances" p		NO
Are Vegetation, Soil, or Hydrology				eeded, explain any answe		-4
SUMMARY OF FINDINGS – Attach site ma		sam	pling point i	ocations, transects	, important re	eatures, etc.
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X Yes X			Is the Sampled	I Area		
Wetland Hydrology Present? Yes X			within a Wetla		No	_
Remarks:						
VEGETATION – Use scientific names of pla	ants.					
		Domi	nant Indicator	Dominance Test work	sheet:	
Tree Stratum (Plot size: NA) 1			ies? Status	Number of Dominant S That Are OBL, FACW,	pecies or FAC: 1	(A)
2				Total Number of Domin	ant ,	
3				Species Across All Stra	la. <u>'</u>	(B)
Sapling/Shrub Stratum (Plot size: NA		= Tota	al Cover	Percent of Dominant Sp That Are OBL, FACW,		(A/B)
1				Prevalence Index wor	ksheet:	
2				Total % Cover of:		ly by:
3.				1	x 1 = 10	
4.				FAC species 15		
5					$x 3 = \frac{45}{36}$	
E',		_ = Tota	al Cover	FACU species 9		
Herb Stratum (Plot size: 5')	0		E A C \ A .	UPL species Column Totals: 116	x 5 =	(D)
1. Epilobium cf. ciliatum 2. Juncus arcticus	$-\frac{2}{80}$		FACW			(B)
3. Cirsium arvense	50		<mark>FAC\</mark> FAC	Prevalence Index		
Lactuca serriola	$-\frac{13}{2}$	-	FACU	Hydrophytic Vegetation		
5. Typha sp.	_ _		OBL	x 1 - Rapid Test for I		tation
6 Achillea millefolium	$-\frac{10}{2}$	-	FACU	x 2 - Dominance Tes		
7. Pascopyrum smithii	— 		FACU	x 3 - Prevalence Inde		
8		-		4 - Morphological A data in Remark	adaptations (Prov s or on a separate	
9				5 - Wetland Non-V	•	,
10.				Problematic Hydro		¹ (Explain)
11.				¹ Indicators of hydric soi		
	440	= Tota	I Cover	be present, unless dist	urbed or problema	atic.
Woody Vine Stratum (Plot size: NA)						
1				Hydrophytic		
2				Vegetation Present? Ye	s_X No	
% Bare Ground in Herb Stratum 0		_= Tota	l Cover			
Remarks:				1		
Based on the time of year, species ide	entification	าร พ	ere made k	oased on remnan	t foliage and	d position
on the landscape.					J	•

Sampling Point: WT-A12-WT1

l B "		h needed to docur			illilli tile absell	····
Depth Matrix			x Features	_ 1 . 3	_	
(inches) Color (moist)		Color (moist)	<u> % T</u>	Type ¹ Loc ²	<u>Texture</u>	Remarks
0-2 10YR 2/1	100				Sandy loar	<u> </u>
						
						-
1 		Dadwa ad Matrico Of		. 041 01		A sections DL Deve Linius M. Matrix
¹ Type: C=Concentration, D=D Hydric Soil Indicators: (App						Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
				,		· · · · · · · · · · · · · · · · · · ·
Histosol (A1) Histic Epipedon (A2)		Sandy Redox (Stripped Matrix				2 cm Muck (A10) Red Parent Material (TF2)
Black Histic (A3)		Suipped Matrix Loamy Mucky I		excent MI RA		/ery Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	•	Loamy Gleyed		except in Error		Other (Explain in Remarks)
Depleted Below Dark Surf	ace (A11)	Depleted Matrix			_ `	
Thick Dark Surface (A12)	, ,	x Redox Dark Su	. ,		³ Indic	cators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark	Surface (F7)		We	etland hydrology must be present,
Sandy Gleyed Matrix (S4)		Redox Depress	sions (F8)		un	nless disturbed or problematic.
Restrictive Layer (if present)):					
Type: Frozen						.,
Depth (inches): 2					Hydric S	Soil Present? Yes X No
Remarks:					'	
This soil may be simi	lar to DP-	1 and meet t	he F6 hy	dric soil ir	ndicator.	
HYDROLOGY						
Wetland Hydrology Indicator	rs:					
Primary Indicators (minimum o	of one required	; check all that appl	y)		_	condary Indicators (2 or more required)
Surface Water (A1)		Water-Sta	ined Leaves		<u>Se</u>	
High Water Table (A2)				(B9) (except	<u>Se</u>	Water-Stained Leaves (B9) (MLRA 1, 2,
Saturation (A3)		MLRA	1, 2, 4A, and		<u>Se</u>	· · · · · · · · · · · · · · · · · · ·
						Water-Stained Leaves (B9) (MLRA 1, 2,
Water Marks (B1)		MLRA Salt Crust Aquatic In	(B11)	I 4B)	_	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
		Salt Crust Aquatic In	(B11)	B13)	_	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Water Marks (B1)		Salt Crust Aquatic In Hydrogen	(B11) vertebrates (E Sulfide Odor	B13) (C1)	_	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Water Marks (B1) Sediment Deposits (B2)		Salt Crust Aquatic In Hydrogen	(B11) vertebrates (B Sulfide Odor Rhizospheres	B13) (C1) along Living F	Roots (C3) <u>x</u>	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Salt Crust Aquatic In Hydrogen Oxidized F Presence	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced I	B13) (C1) along Living F	Roots (C3) x	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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)		Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) vertebrates (E Sulfide Odor Rhizospheres of Reduced II in Reduction	B13) (C1) along Living Fron (C4)	Roots (C3) x	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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	al Imagery (B7	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In the Reduction Stressed Plan	B13) (C1) along Living Fron (C4) in Tilled Soils (ants (D1) (LRF)	(C6) x	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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)		Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Ex	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In the Reduction Stressed Plan	B13) (C1) along Living Fron (C4) in Tilled Soils (ants (D1) (LRF)	(C6) x	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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeric		Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Ex	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In the Reduction Stressed Plan	B13) (C1) along Living Fron (C4) in Tilled Soils (ants (D1) (LRF)	(C6) x	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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeri Sparsely Vegetated Conc	ave Surface (E	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Ex	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced II on Reduction Stressed Pla blain in Rema	B13) (C1) along Living Fron (C4) in Tilled Soils (ants (D1) (LRF	(C6) x	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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeri Sparsely Vegetated Conc	ave Surface (E	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted or Other (Exp	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In on Reduction Stressed Pla blain in Rema	B13) (C1) along Living Fron (C4) in Tilled Soils (ants (D1) (LRF	(C6) x	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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeri Sparsely Vegetated Conci	Yes N	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted or Other (Exp. 188) Nox Depth (in Nox Depth (in page 14 presence 14 presence 15 p	(B11) vertebrates (E Sulfide Odor Rhizospheres of Reduced In on Reduction Stressed Pla blain in Rema	B13) (C1) along Living Fron (C4) in Tilled Soils (ants (D1) (LRF	(C6) x (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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeri Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	Yes N Yes N	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted or Other (Exp 88) Nox Depth (in No _x Depth (in	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In on Reduction Threshold Stressed Pla colain in Rema ches): ches):	B13) (C1) along Living F ron (C4) in Tilled Soils (ants (D1) (LRF urks) W	Roots (C3) x (C6) x R 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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeri Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present?	Yes N Yes N	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted or Other (Exp 88) Nox Depth (in No _x Depth (in	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In on Reduction Threshold Stressed Pla colain in Rema ches): ches):	B13) (C1) along Living F ron (C4) in Tilled Soils (ants (D1) (LRF urks) W	Roots (C3) x (C6) x R 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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeri Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	Yes N Yes N	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted or Other (Exp 88) Nox Depth (in No _x Depth (in	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In on Reduction Threshold Stressed Pla colain in Rema ches): ches):	B13) (C1) along Living F ron (C4) in Tilled Soils (ants (D1) (LRF urks) W	Roots (C3) x (C6) x R 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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeri Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	Yes N Yes N	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted or Other (Exp 88) Nox Depth (in No _x Depth (in	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In on Reduction Threshold Stressed Pla colain in Rema ches): ches):	B13) (C1) along Living F ron (C4) in Tilled Soils (ants (D1) (LRF urks) W	Roots (C3) x (C6) x R 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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeri Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stress	Yes N Yes N	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted or Other (Exp 88) Nox Depth (in No _x Depth (in	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In on Reduction Threshold Stressed Pla colain in Rema ches): ches):	B13) (C1) along Living F ron (C4) in Tilled Soils (ants (D1) (LRF urks) W	Roots (C3) x (C6) x R 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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeri Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stress	Yes N Yes N	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted or Other (Exp 88) Nox Depth (in No _x Depth (in	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In on Reduction Threshold Stressed Pla colain in Rema ches): ches):	B13) (C1) along Living F ron (C4) in Tilled Soils (ants (D1) (LRF urks) W	Roots (C3) x (C6) x R 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)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeri Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stress	Yes N Yes N	Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted or Other (Exp 88) Nox Depth (in No _x Depth (in	(B11) vertebrates (B Sulfide Odor Rhizospheres of Reduced In on Reduction Threshold Stressed Pla colain in Rema ches): ches):	B13) (C1) along Living F ron (C4) in Tilled Soils (ants (D1) (LRF urks) W	Roots (C3) x (C6) x R 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)

Project/Site: Jayne's Parcel		City/Co	ounty: El Paso		Sampling Date: 2/1/22	
Applicant/Owner:		State: CO Sampling Point: WT-A18-U				
Investigator(s): S. Clark		Section	n, Township, Ra	_{nge:} S28 and 33, T12S	, R65W	
Landform (hillslope, terrace, etc.): hillslope						10
Subregion (LRR): E						
Soil Map Unit Name: Pring coarse sandy loam, 3-89				NWI classific		
Are climatic / hydrologic conditions on the site typical fo						
Are Vegetation, Soil, or Hydrology	-				present? Yes X No	
Are Vegetation, Soil, or Hydrology				eded, explain any answe		
SUMMARY OF FINDINGS – Attach site m						. etc.
	No X	T		•	<u>´</u>	
	No X		Is the Sampled		V	
Wetland Hydrology Present? Yes	No X		within a Wetlar	nd? Yes	No <u>X</u>	
Remarks:						
VEGETATION – Use scientific names of p						
Tree Stratum (Plot size: NA			nant Indicator ies? Status	Dominance Test work		
1	·			Number of Dominant S That Are OBL, FACW,		(A)
2.						()
3				Total Number of Domin Species Across All Stra		(B)
4				Doroont of Dominant Co		, ,
NA		_ = Tota	al Cover	Percent of Dominant Sport That Are OBL, FACW,		(A/B)
Sapling/Shrub Stratum (Plot size: NA)				Prevalence Index wor	ksheet:	
1				Total % Cover of:		_
2 3					x 1 = 0	-
4				· ·	x 2 = 0	=
5.					x 3 = 0	-
		= Tota	al Cover		x 4 = 108	=
Herb Stratum (Plot size: 5')	00		LIDI	Of L species	x 5 = 345 (A) 453	- (D)
1. Schizachyrium scoparium	<u>20</u>	x	UPL UPL	Column Totals: 96	(/ /)	_ (B)
2. Bouteloua gracilis 3 Artemisia ludoviciana	—— 40 ——		FACU	Prevalence Index		_
3. Artemisia ludoviciana 4 Sporobolus cf. heterolepis		<u>x</u>	- FACU	Hydrophytic Vegetation		
5. Heterotheca villosa	$\frac{23}{2}$	<u> </u>	UPL	1 - Rapid Test for I		
6. Pascopyrum smithii			FACU	2 - Dominance Tes 3 - Prevalence Inde		
7. Aristida purpurea	5		UPL		ex is ≤3.0 Adaptations¹ (Provide supp	ortina
8 Sporobolus cryptandrus	5		FACU		s or on a separate sheet)	orung
9.				5 - Wetland Non-V	ascular Plants ¹	
10.				Problematic Hydro	phytic Vegetation ¹ (Explain	1)
11					l and wetland hydrology m	ust
NA	96	= Tota	l Cover	be present, unless distu	irbed or problematic.	
Woody Vine Stratum (Plot size: NA)						
1				Hydrophytic Vegetation		
2			I Cover		s No_X	
% Bare Ground in Herb Stratum 4		_= 10ta	l Cover			
Remarks:						
Based on the time of year, species ic	lentification	ns we	ere made b	ased on remnan	t toliage and posit	ion
on the landscape.						

Sampling Point: WT-A18-UP1

Profile Desc	ription: (Describe	to the depth	needed to docui	nent the i	ndicator o	or confirm	the absence of indicators.)
Depth	Matrix		Redo	x Features	3		
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture Remarks
0-4	10YR 2/1	100				c	Coarse sandy Loam
				- ——			
-	-						
1							2
	oncentration, D=Deplicators: (Applic					d Sand Gra	ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
_					;u.)		
Histosol	` '	_	Sandy Redox (Stripped Matrix				2 cm Muck (A10) Red Parent Material (TF2)
	oipedon (A2) stic (A3)	_	_ Suipped Matrix _ Loamy Mucky I) (except	MI DA 1)	Very Shallow Dark Surface (TF12)
	en Sulfide (A4)	_	Loamy Gleyed			WILIXA I)	Other (Explain in Remarks)
	d Below Dark Surfac	e (A11)	_ Depleted Matrix		,		outsi (Explain in Normano)
	ark Surface (A12)		Redox Dark Su				³ Indicators of hydrophytic vegetation and
Sandy N	lucky Mineral (S1)	_	Depleted Dark	Surface (F	7)		wetland hydrology must be present,
Sandy G	Gleyed Matrix (S4)	_	_ Redox Depress	sions (F8)			unless disturbed or problematic.
	Layer (if present):						
Type: Fro			<u>—</u>				
Depth (in	ches): <u>4</u>						Hydric Soil Present? Yes No X
Remarks:							1
Unlikely t	o be hydric d	ue to plar	nt communit	y and la	andsca	pe posi	ition.
HYDROLO							
Wetland Hy	drology Indicators:						
Primary India	cators (minimum of o	one required; o	check all that appl	y)			Secondary Indicators (2 or more required)
	Water (A1)		Water-Sta	ined Leave	es (B9) (e x	xcept	Water-Stained Leaves (B9) (MLRA 1, 2,
High Wa	iter Table (A2)		MLRA	1, 2, 4A, a	nd 4B)		4A, and 4B)
Saturation	on (A3)		Salt Crust	(B11)			Drainage Patterns (B10)
Water M			Aquatic In				Dry-Season Water Table (C2)
	nt Deposits (B2)		Hydrogen				Saturation Visible on Aerial Imagery (C9)
Drift De	posits (B3)					Living Root	
Algal Ma	at or Crust (B4)		Presence	of Reduce	d Iron (C4	.)	Shallow Aquitard (D3)
-	oosits (B5)		Recent Iro	n Reduction	on in Tilled	d Soils (C6)	
	Soil Cracks (B6)		Stunted or			1) (LRR A)	
	on Visible on Aerial		Other (Ex	olain in Re	marks)		Frost-Heave Hummocks (D7)
	/ Vegetated Concav	e Surface (B8)				
Field Obser							
Surface Wat	er Present?	'es No	Depth (in	ches):		_	
Water Table	Present?	'es No	Depth (in	ches):		_	
Saturation P		'es No	x Depth (in	ches):		_ Wetla	and Hydrology Present? Yes No X
(includes ca	oillary fringe) corded Data (stream	dalido moni	toring well social	nhotos n=	avious inc	nections) :	if available:
Describe Re	corucu Dala (Sireali	ı yauye, moni	toring well, aerial	priotos, pre	zvious IIIS	p e udins), II	n avanabic.
D- " /							
Remarks:	o have wetlar	nd hydrol	any dua ta k	andece	na nac	ition	
Ornikely l	o nave wellal	ia riyuruk	by due to li	ariusud	he has	itiOII.	

Project/Site: Jayne's Parcel	(City/County: El Paso	S	ampling Date: 2/1/22
Applicant/Owner:				
Investigator(s): S. Clark		Section, Township, Ra	nge: S28 and 33, T12S, F	R65W
Landform (hillslope, terrace, etc.): swale				
Subregion (LRR): E				
Soil Map Unit Name: Pring coarse sandy loam, 3-8			NWI classificati	
Are climatic / hydrologic conditions on the site typical fo				
Are Vegetation, Soil, or Hydrology	-			
Are Vegetation, Soil, or Hydrology			eded, explain any answers	
SUMMARY OF FINDINGS – Attach site m				
Hydrophytic Vegetation Present? Yes X				_
Hydric Soil Present? Yes X		Is the Sampled		N-
Wetland Hydrology Present? Yes X	_ No	within a Wetlar	id? Yes <u>^</u>	_ No
VEGETATION – Use scientific names of p				
Tree Stratum (Plot size: NA)	Absolute % Cover	Dominant Indicator Species? Status	Dominance Test worksh	
1.			Number of Dominant Spec That Are OBL, FACW, or I	
2			Total Number of Dominan Species Across All Strata:	4
4ΝΔ		= Total Cover	Percent of Dominant Spec That Are OBL, FACW, or I	
Sapling/Shrub Stratum (Plot size: NA)			Prevalence Index works	heet:
1			Total % Cover of:	Multiply by:
2 3				x 1 =
4			FACW species 110	
5			FAC species	
		= Total Cover	FACU species	
Herb Stratum (Plot size: 5'		E A O \ A \	UPL species	x 5 = (A) 220 (B)
1. Juncus arcticus	<u>90</u> 20	× FAC	Column Totals: 110	(A) <u>220</u> (B)
2. Carex sp.		<u>FAC₩</u>	Prevalence Index =	
3			Hydrophytic Vegetation	
4			x 1 - Rapid Test for Hyd	, ,
5			x 2 - Dominance Test is	
6			x 3 - Prevalence Index	
7			4 - Morphological Ada data in Remarks o	aptations ¹ (Provide supporting r on a separate sheet)
8 9			5 - Wetland Non-Vaso	-
10				tic Vegetation ¹ (Explain)
11.				nd wetland hydrology must
		= Total Cover	be present, unless disturb	ed or problematic.
Woody Vine Stratum (Plot size: NA) 1			Hydrophytic	
2			Vegetation	X No
		= Total Cover	riesellit 165	NO

Sampling Point: WT-A18-WT1

Profile Desc	ription: (Describ	e to the de	oth needed to docu	ment the i	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Red	ox Feature	S			·
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/1	100		_			Sandy Loam	Lots of roots and organics
6-18	10 YR 2/1	98	7.5 YR 4/6	2	С	M/PL	Sandy Clay Lo	am
				_				
			_					
				_				
1							. 2.	
			I=Reduced Matrix, C			ed Sand Gr		cation: PL=Pore Lining, M=Matrix.
_		icable to al	LRRs, unless other		ea.)			ors for Problematic Hydric Soils ³ :
Histosol	` '		Sandy Redox	. ,				m Muck (A10)
Black Hi	oipedon (A2)		Stripped Matrix Loamy Mucky		1) (ovcon	• MI DA 1\		l Parent Material (TF2) y Shallow Dark Surface (TF12)
	en Sulfide (A4)		Loamy Gleyed			LIVILINA I)		er (Explain in Remarks)
	d Below Dark Surfa	ace (A11)	Depleted Matri		-)		0	or (Explain in Remains)
	ark Surface (A12)	,	x Redox Dark S				³ Indicate	ors of hydrophytic vegetation and
	lucky Mineral (S1)		Depleted Dark					and hydrology must be present,
Sandy G	Gleyed Matrix (S4)		Redox Depres	sions (F8)			unles	ss disturbed or problematic.
	Layer (if present):							
Type: fro								
Depth (in	ches): <u>18</u>						Hydric Soil	Present? Yes X No
Remarks:								
	CV							
HYDROLO								
_	drology Indicator							
		one require	ed; check all that app		.=			ndary Indicators (2 or more required)
	Water (A1)			ained Leav	, , ,	except	v	Vater-Stained Leaves (B9) (MLRA 1, 2,
_	iter Table (A2)			1, 2, 4A, a	and 4B)		_	4A, and 4B)
Saturation	, ,		Salt Crus	, ,	(5.40)			Orainage Patterns (B10)
·	larks (B1)		Aquatic Ir		` '			Ory-Season Water Table (C2)
	nt Deposits (B2)			Sulfide O			·	Saturation Visible on Aerial Imagery (C9)
-	posits (B3)				_	_		Geomorphic Position (D2)
_	at or Crust (B4)			of Reduce				Shallow Aquitard (D3)
	oosits (B5)					d Soils (C6		AC-Neutral Test (D5)
	Soil Cracks (B6)		Stunted o)1) (LRR A		Raised Ant Mounds (D6) (LRR A)
	on Visible on Aeria			cpiain in Re	emarks)		「	rost-Heave Hummocks (D7)
	/ Vegetated Conca	ive Surrace	(B8)					
Field Obser		.,						
Surface Wat			No x Depth (in					
Water Table	Present?		No x Depth (ir					V
Saturation P		Yes	No x Depth (in	nches):		Wetl	and Hydrolog	y Present? Yes X No
(includes car Describe Re	onded Data (strea	m gauge m	onitoring well, aerial	photos nr	evious ins	spections)	if available:	
20001100110		55595, 111		F		00o.i.o),		
Remarks:								
rveillains.								

Project/Site: Jayne's Parcel	(City/Cour	_{ity:} El Paso		Sampling Date: 2/1/22	2		
Applicant/Owner:		·		State: CO	-A30-UP1			
Investigator(s): S. Clark	Section, Township, Range: S28 and 33, T12S, R65W							
				convex, none): concave) _: 25		
Subregion (LRR): E								
Soil Map Unit Name: Pring coarse sandy loam, 3-8%								
Are climatic / hydrologic conditions on the site typical for								
Are Vegetation, Soil, or Hydrology	_			"Normal Circumstances" p		No		
Are Vegetation, Soil, or Hydrology				eeded, explain any answe				
SUMMARY OF FINDINGS – Attach site ma						es, etc.		
Hydrophytic Vegetation Present? Yes	No X							
	No X		the Sampled		N. Y			
Wetland Hydrology Present? Yes	No X	W	thin a Wetlar	nd? Yes	No X			
VEGETATION – Use scientific names of p		Domina	nt Indicator	Dominance Test work	sheet:			
Tree Stratum (Plot size: NA) 1			Status	Number of Dominant S That Are OBL, FACW,		_ (A)		
2				Total Number of Domin Species Across All Stra		_ (B)		
4				Percent of Dominant Sport That Are OBL, FACW,	or FAC: 0	_ (A/B)		
1				Prevalence Index wor				
2.					Multiply by:			
3.					x 1 = 0			
4					x = 0 x = 6	_		
5					x = 3 = 320			
		= Total (Cover		x 5 = 100	_		
Herb Stratum (Plot size: 5' Schizachyrium scoparium	20		UPL	Column Totals: 102		(B)		
2 Sporobolus heterolepis	$-\frac{20}{40}$	<u>x</u>	FACU			(2)		
3 Andropogon gerardii		<u>x</u>	FACU	Prevalence Index				
4 Cirsium arvense			FAC	Hydrophytic Vegetation				
5		-		1 - Rapid Test for I				
6.				2 - Dominance Tes				
7				3 - Prevalence Inde	ex is ≤3.0 Adaptations¹ (Provide su	nnorting		
8.				data in Remarks	s or on a separate sheet	pporting (
9.				5 - Wetland Non-V	·			
10				Problematic Hydro	phytic Vegetation ¹ (Expl	ain)		
11.				¹ Indicators of hydric soi be present, unless dist	il and wetland hydrology	must		
Woody Vine Stratum (Plot size: NA)		= Total C		be present, unless dist	arbed of problematic.			
1				Hydrophytic				
2				Vegetation Present? Ye	s No_X			
		= rotal C	over					
% Bare Ground in Herb Stratum 0								

Sampling Point: WT-A30-UP1

Depth	Matrix			Redox Features				
(inches)	Color (moist)		<u>C</u>	olor (moist) % Type ¹		ture	Remarks	3
D-1	10YR 2/1	100			Sandy	loam		
				uced Matrix, CS=Covered or Coated S		² Location: PL		
ydric Soil I	ndicators: (App	licable to	all LRRs	s, unless otherwise noted.)	Ir	ndicators for Pro	blematic Hy	dric Soils³:
Histosol	(A1)		\$	Sandy Redox (S5)	_	2 cm Muck (A	10)	
Histic Ep	ipedon (A2)		8	Stripped Matrix (S6)	_	Red Parent Ma	aterial (TF2)	
Black His				_oamy Mucky Mineral (F1) (except M	LRA 1)	_ Very Shallow I		
	n Sulfide (A4)			_oamy Gleyed Matrix (F2)	_	Other (Explain	in Remarks)	
	Below Dark Surf	ace (A11)		Depleted Matrix (F3)	•			
	rk Surface (A12)			Redox Dark Surface (F6)	ા	ndicators of hydro		
-	ucky Mineral (S1))		Depleted Dark Surface (F7)		wetland hydrolo		
	leyed Matrix (S4)	_	'	Redox Depressions (F8)		unless disturbed	or problema	atic.
	ayer (if present)	•						
Type: Fro	2611							v
,. <u> </u>	7						Yes	No ^
nlikely to	o be hydric	due to	plant (community and landscap		ic Soil Present?		No_X
emarks: nlikely to	o be hydric		plant o	community and landscap				
Remarks: nlikely to YDROLOG Vetland Hyd	o be hydric	s:						
Remarks: nlikely to YDROLOG Vetland Hyd	o be hydric	s:			e position.	Secondary Indic	ators (2 or m	
Primary Indicates Semarks: Primary Indicates Surface N	o be hydric GY Irology Indicator ators (minimum o	s:		ock all that apply)	e position.	Secondary Indic	ators (2 or m ed Leaves (E	ore required)
Primary Indicates Semarks: Primary Indicates Surface N	GY Irology Indicator ators (minimum o Water (A1) ter Table (A2)	s:		ck all that apply) Water-Stained Leaves (B9) (exc e	e position.	Secondary Indic Water-Stain 4A, and	ators (2 or m ed Leaves (E	ore required)
Primary Indication Surface Value High Water	GY Irology Indicator ators (minimum o Water (A1) ter Table (A2) on (A3)	s:		eck all that apply) Water-Stained Leaves (B9) (exce	e position.	Secondary Indic Water-Stain 4A, and	ators (2 or m ed Leaves (E 4B) atterns (B10)	ore required) 39) (MLRA 1, 2
YDROLOG Vetland Hyd Primary Indic Surface \ High Wat Saturatio Water Ma	GY Irology Indicator ators (minimum o Water (A1) ter Table (A2) on (A3)	s:		ck all that apply) Water-Stained Leaves (B9) (exceeding the MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	e position.	Secondary Indic Water-Stain 4A, and Drainage Pa	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table	ore required) 39) (MLRA 1, 2 (C2)
YDROLOG Vetland Hyd Crimary Indic Surface N High Wat Saturatio Water Ma Sedimen	GY Irology Indicator ators (minimum or Water (A1) ter Table (A2) on (A3) arks (B1)	s:		ck all that apply) Water-Stained Leaves (B9) (exceeding the second seco	e position.	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3
YDROLOG Vetland Hyd Surface V High Wat Saturatio Water Ma Sedimen Drift Dep	GY Irology Indicator ators (minimum o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2)	s:		wick all that apply) Water-Stained Leaves (B9) (excelerate MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	e position.	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3
YDROLOG Vetland Hyd Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3)	s:		with a spoly water-Stained Leaves (B9) (excess MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv	e position.	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3)	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3
YDROLOG YDROLOG Vetland Hyd Primary Indica Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma' Iron Dep	GY Irology Indicator ators (minimum o Water (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) iosits (B3) t or Crust (B4)	s:		with a spoly water-Stained Leaves (B9) (excess MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4)	e position. ept ring Roots (C3) Soils (C6)	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3)	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C9)
YDROLOG Vetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Depo	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	s: f one requ	ired; che	with a sport of the state of Reduced Iron (C4) Reck all that apply) Water-Stained Leaves (B9) (excess of MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	e position. ept ring Roots (C3) Soils (C6)	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) I Test (D5) Mounds (D6)	ore required) 89) (MLRA 1, 2 (C2) ial Imagery (C9)
Prince Sedimen Drift Dep Algal Mar Iron Depo Surface Sedimen Drift Dep Algal Mar Iron Depo Surface Sedimen Surface Sedimen Iron Depo Inundation	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6)	s: f one requ	ired; che	water-Stained Leaves (B9) (excess MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Second Stunted or Stressed Plants (D1)	e position. ept ring Roots (C3) Soils (C6)	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra Raised Ant	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) I Test (D5) Mounds (D6)	ore required) 89) (MLRA 1, 2 (C2) ial Imagery (C9)
POROLOGY POROLOGY POROLOGY Portland Hydrogy Surface North Management Sediment Drift Dept Algal Management Iron Dept Surface States Inundation Sparsely	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Conca	s: f one requ	ired; che	water-Stained Leaves (B9) (excess MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Second Stunted or Stressed Plants (D1)	e position. ept ring Roots (C3) Soils (C6)	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra Raised Ant	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) I Test (D5) Mounds (D6)	ore required) 89) (MLRA 1, 2 (C2) ial Imagery (C9)
POROLOGY POROLOGY Vetland Hydrimary Indication Water May Sedimen Drift Dep Algal Mar Iron Dep Surface Sedimen Iron Dep Surface Sedimen Surface Sedimen Iron Dep Surface Sedimen Surface Sedimen Surface Sedimen Iron Dep	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Concavations:	s: f one requ al Imagery ave Surfac	(B7) e (B8)	water-Stained Leaves (B9) (excess MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Section (Explain in Remarks)	e position. ept ring Roots (C3) Soils (C6)	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra Raised Ant	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) I Test (D5) Mounds (D6)	ore required) 89) (MLRA 1, 2 (C2) ial Imagery (C9)
Primary Indication Sediment Sediment Primary Indication Surface Naturation Water May Sediment Drift Dept Algal May Iron Dept Surface Sediment Iron Dept Surface Sediment Surface Sediment Water May Sediment Sediment Drift Dept Algal May Iron Dept Surface Sediment	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Concavations: er Present?	s: f one requ Il Imagery ave Surfac	(B7) e (B8)	water-Stained Leaves (B9) (excess MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Other (Explain in Remarks)	e position. ept ring Roots (C3) Soils (C6)	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra Raised Ant	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) I Test (D5) Mounds (D6)	ore required) 89) (MLRA 1, 2 (C2) ial Imagery (C9)
POROLOG POROLOG Portland Hyde Primary Indice Surface N High War Saturation Water Ma Sedimen Drift Dep Algal Mar Iron Depe Surface S Inundation Sparsely Field Observ Surface Water Table I	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Concavations: er Present? Present?	s: f one requ al Imagery ave Surfac Yes Yes	(B7) e (B8) No No	water-Stained Leaves (B9) (excomplex (B1)) Mater-Stained Leaves (B9) (excomplex (B11)) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liver (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Second (C4) Stunted or Stressed Plants (D1) Other (Explain in Remarks) The peth (inches):	e position. ept ring Roots (C3) Soils (C6) (LRR A)	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) Il Test (D5) Mounds (D6) e Hummocks	ore required) (C2) (C2) (al Imagery (C3) (LRR A) (D7)
Prince Service	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Concavations: er Present? Present?	s: f one requ al Imagery ave Surfac Yes Yes	(B7) e (B8) No No	water-Stained Leaves (B9) (excess MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Other (Explain in Remarks)	e position. ept ring Roots (C3) Soils (C6) (LRR A)	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation \ Geomorphic Shallow Aqu FAC-Neutra Raised Ant	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) Il Test (D5) Mounds (D6) e Hummocks	ore required) (C2) (C2) (al Imagery (C3) (LRR A) (D7)
YDROLOG YDROLOG YDROLOG YETIANDER IN INC. YDROLOG YETIANDER IN INC. YOUR SURFACE YO	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Concavations: er Present? Present? esent? elilary fringe)	f one requal Imagery ave Surface Yes Yes	(B7) e (B8) No No	water-Stained Leaves (B9) (excomplex (B1)) Mater-Stained Leaves (B9) (excomplex (B11)) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liver (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Second (C4) Stunted or Stressed Plants (D1) Other (Explain in Remarks) The peth (inches):	e position. ept ring Roots (C3) Soils (C6) (LRR A) Wetland Hy	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) Il Test (D5) Mounds (D6) e Hummocks	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3) (LRR A) (D7)
YDROLOG YDROLOG Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Depo Surface S Inundatio Sparsely Field Observ Surface Water Vater Table I Saturation Princludes cap	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Concavations: er Present? Present? esent? elilary fringe)	f one requal Imagery ave Surface Yes Yes	(B7) e (B8) No No	water-Stained Leaves (B9) (excess MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livente Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Section (Explain in Remarks) The Depth (inches): Depth (inches): Depth (inches):	e position. ept ring Roots (C3) Soils (C6) (LRR A) Wetland Hy	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) Il Test (D5) Mounds (D6) e Hummocks	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C3) (LRR A) (D7)
YDROLOG YDROLOG YDROLOG Wetland Hyd Primary Indic Surface Naturatio Water Ma Sedimen Drift Dep Algal Ma Iron Depr Surface S Inundatio Sparsely Field Observ Surface Water Water Table I Saturation Princludes cap Describe Reco	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Concavations: er Present? Present? ersent? ersent? ersent? ersent? ersent? ersent?	f one requal Imagery ave Surface Yes Yes Yes am gauge,	(B7) e (B8) No No No monitori	water-Stained Leaves (B9) (excess MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Second Stunted or Stressed Plants (D1) (D1) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	e position. ept ring Roots (C3) Soils (C6) (LRR A) Wetland Hy. ctions), if availa	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) Il Test (D5) Mounds (D6) e Hummocks	ore required) 39) (MLRA 1, 2 (C2) ial Imagery (C2) (LRR A) (D7)
YDROLOG YDROLOG YDROLOG Yetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water Vater Table I Saturation Princludes cap Describe Reco	GY Irology Indicator ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Concavations: er Present? Present? ersent? ersent? ersent? ersent? ersent? ersent?	f one requal Imagery ave Surface Yes Yes Yes am gauge,	(B7) e (B8) No No No monitori	water-Stained Leaves (B9) (excess MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livente Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Section (Explain in Remarks) The Depth (inches): Depth (inches): Depth (inches):	e position. ept ring Roots (C3) Soils (C6) (LRR A) Wetland Hy. ctions), if availa	Secondary Indic Water-Stain 4A, and Drainage Pa Dry-Season Saturation N Geomorphic Shallow Aqu FAC-Neutra Raised Ant Frost-Heave	ators (2 or m ed Leaves (E 4B) atterns (B10) Water Table /isible on Aer c Position (D2 uitard (D3) Il Test (D5) Mounds (D6) e Hummocks	ore required) (C2) (C2) (al Imagery (C3) (LRR A) (D7)

Project/Site: Jayne's Parcel	(City/County: El Paso		Sampling Date: 2/1/	22	
Applicant/Owner:	_			Sampling Point:WT-A30-WT		
Investigator(s): S. Clark	;	Section, Township, Ra	_{nge:} S28 and 33, T12S			
Landform (hillslope, terrace, etc.): swale			=		%): 7	
Subregion (LRR): E						
Soil Map Unit Name: Pring coarse sandy loam, 3-8%			NWI classific			
Are climatic / hydrologic conditions on the site typical for	-					
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? Are "	Normal Circumstances" p	oresent? Yes X	No	
Are Vegetation, Soil, or Hydrology	naturally prol	blematic? (If ne	eded, explain any answe	rs in Remarks.)		
SUMMARY OF FINDINGS - Attach site ma	ap showing	sampling point le	ocations, transects	, important featu	ıres, etc.	
Hydrophytic Vegetation Present? Yes X						
Hydric Soil Present? Yes X		Is the Sampled within a Wetlar		No		
Wetland Hydrology Present? Yes X	No	within a wettar	iu? fes <u>~ </u>	NO		
Remarks:						
VEGETATION – Use scientific names of pl	ants.					
Tree Stratum (Plot size: NA)		Dominant Indicator	Dominance Test work	sheet:		
1			Number of Dominant S That Are OBL, FACW,		(A)	
2. 3.			Total Number of Domin Species Across All Stra		(B)	
4		= Total Cover	Percent of Dominant S	pecies	` ,	
Sapling/Shrub Stratum (Plot size: NA		Total Cover	That Are OBL, FACW,	011A0.	(A/B)	
1			Prevalence Index wor			
2			Total % Cover of:		<u>'':</u>	
3			1	$x = \frac{120}{1}$		
4			1	$x = \frac{120}{2}$		
5				x = 3 = 6		
5 '		= Total Cover		x = 5 $x = 5$		
Herb Stratum (Plot size: 5' 1. Juncus arcticus	60	× EAC\A		(A) 281	(B)	
2. Rumex crispus	$\frac{60}{2}$	× FAC₩ FAC		(//)	(b)	
3. Achillea millefolium	$-\frac{2}{10}$	FACU	Prevalence Index			
4 Pascopyrum smithii	$-\frac{10}{10}$	FACU	Hydrophytic Vegetation			
5. Elymus trachycaulus		FAC	x 1 - Rapid Test for I		n	
6 Agrostis cf. gigantea	 20		x 2 - Dominance Tes			
VI			x 3 - Prevalence Inde			
7 8				Adaptations ¹ (Provide s or on a separate she		
9			5 - Wetland Non-V	·	<i>'</i>	
10				phytic Vegetation ¹ (Ex	(plain)	
11.			¹ Indicators of hydric soi			
	407	= Total Cover	be present, unless distu	urbed or problematic.		
Woody Vine Stratum (Plot size: NA) 1			Hydrophytic			
2.			Vegetation	s_X No	_	
1		= Total Cover				

Sampling Point: WT-A30-WT1

	cription: (Descr		otn neede				or confirm	tne abser	nce of indica	tors.)	
Depth (inches)	Matr Color (moist		Colo	Redox (moist)	Features %	Type ¹	Loc ²	Texture)	Remark	S
0-1	10YR 2/1	100							with a sand s		
			-								
									<u> </u>		
-			-								
1									2		
	oncentration, D= Indicators: (Ap						ed Sand Gra			=Pore Lining	
-		piicable to ai				a.,				-	unc sons .
Histoso	pipedon (A2)			dy Redox (S oped Matrix (•				2 cm Muck (A Red Parent M		
	istic (A3)			my Mucky M) (except	MLRA 1)			Dark Surface	(TF12)
	en Sulfide (A4)			my Gleyed N			,			n in Remarks)	
	d Below Dark Su	rface (A11)		leted Matrix		-			, F ****		
Thick D	ark Surface (A12)		lox Dark Sur					•	ophytic veget	
-	Mucky Mineral (S			leted Dark S		7)			•	ogy must be p	
-	Gleyed Matrix (S4		Rec	ox Depressi	ons (F8)			ur	nless disturbe	d or problema	atic.
Restrictive	Layer (if presen	t):									
. , , ,										Y	
Depth (in	cnes): <u>~</u>							Hydric S	Soil Present?	Yes <u>^`</u>	No
HYDROLC	OGY	ors:									
_	cators (minimum		ed; check	all that apply)			Se	econdary Indi	cators (2 or m	ore required)
-	Water (A1)	,		Water-Stair		es (B9) (e	xcept		•	•	39) (MLRA 1, 2 ,
	ater Table (A2)				, 2, 4A, a		·		- 4A, and		, , , , , ,
Saturati	, ,			Salt Crust (,				atterns (B10)	
Water N	/larks (B1)			Aquatic Inv	ertebrate	s (B13)			_ Dry-Seaso	n Water Table	e (C2)
Sedime	nt Deposits (B2)			Hydrogen S					Saturation	Visible on Aeı	rial Imagery (C9)
Drift De				Oxidized R	hizosphei	res along	Living Root	ts (C3) <u>x</u>	_ Geomorphi	c Position (D2	2)
	at or Crust (B4)			Presence of					_ Shallow Aq		
Iron De				Recent Iron			, ,		_ FAC-Neutra		
	Soil Cracks (B6)			Stunted or		,	1) (LRR A)			Mounds (D6)	
	ion Visible on Ae			Other (Exp	ain in Re	marks)		_	_ Frost-Heav	e Hummocks	(D7)
	y Vegetated Con	cave Surface	(B8)								
Field Obser		V	Na v	Danti- /	h = = \;						
	ter Present?			_ Depth (inc							
Water Table				_ Depth (inc				and the total	la mu Door	X	NI -
Saturation F (includes ca	resent? pillary fringe)	Yes	NO <u>x</u>	_ Depth (inc	nes):		Wetla	ana Hydro	logy Present	? Yes X	No
Describe Re	corded Data (str	eam gauge, m	onitoring	well, aerial p	hotos, pre	evious ins	pections), it	if available:	:		
Remarks:											

Project/Site: Jayne's Parcel	(City/Cou	_{inty:} El Paso		_ Sampling Date: 2	2/1/22	
Applicant/Owner:			-		Sampling Point: WT-A33-UF		
Investigator(s): S. Clark	;	Section,	Township, Ra	nge: S28 and 33, T12	S, R65W		
				convex, none): concave		pe (%): <u>5</u>	
Subregion (LRR): E	Lat: <u>38</u> °5	58'22.79	9"N	Long: - 104°40'24.10)"W Datu	m: WGS84	
Soil Map Unit Name: Pring coarse sandy loam, 3-8%				NWI classif			
Are climatic / hydrologic conditions on the site typical for							
Are Vegetation, Soil, or Hydrology	•			Normal Circumstances"	ŕ	No	
Are Vegetation, Soil, or Hydrology				eded, explain any answ			
SUMMARY OF FINDINGS – Attach site ma						atures, etc.	
Hydrophytic Vegetation Present? Yes	No X						
Hydric Soil Present? Yes	No <u>X</u>		the Sampled		Y		
Wetland Hydrology Present? Yes	No <u>X</u>	W	vithin a Wetlar	nd? Yes	No ^X	=	
Remarks:		•					
VEGETATION – Use scientific names of p	lants.						
NA			ant Indicator	Dominance Test wor	ksheet:		
Tree Stratum (Plot size: NA) 1.			s? Status	Number of Dominant S That Are OBL, FACW		(A)	
2				Total Number of Domi	inant		
3				Species Across All Str	2	(B)	
4				Percent of Dominant S That Are OBL, FACW		(A/B)	
Sapling/Shrub Stratum (Plot size: NA)				Prevalence Index wo	orksheet:		
1				Total % Cover of:	Multipl	y by:	
2				OBL species 0	x 1 = 0		
3					x 2 = 0		
4				FAC species 10	x 3 = <u>30</u>		
5		= Total	Cover	FACU species 60	x 4 = 240		
Herb Stratum (Plot size: 5'	-	_= 10tai	Cover	UPL species 32	x 5 = <u>160</u>		
1. Centaurea diffusa	20	X	UPL	Column Totals: 102	(A) <u>430</u>	(B)	
2. Pascopyrum smithii	20	Х	FACU	Prevalence Inde	$a_{\rm N} = B/\Delta = 4.22$		
3. Sporobolus heterolepis	20	Х	FACU	Hydrophytic Vegetat			
4. Achillea millefolium	10		FACU	1 - Rapid Test for		ation	
5. Cirsium arvense	10		<u>FAC</u>	2 - Dominance Te			
6. Schizachyrium scoparium	5		<u>UPL</u>	3 - Prevalence Inc			
7. Bouteloua gracilis	5		UPL	4 - Morphological		ide supportina	
8. Artemisia frigida	2		UPL	data in Remar	ks or on a separate	sheet)	
_{9.} Elymus elymoides	10		FACU	5 - Wetland Non-	√ascular Plants¹		
10				Problematic Hydro	ophytic Vegetation ¹	(Explain)	
11				¹ Indicators of hydric so be present, unless dis			
Woody Vine Stratum (Plot size: NA	102	= Total	Cover	be present, unless dis	turbed or problema	uc.	
1 2.				Hydrophytic Vegetation			
2		- Total			es No _ ^x	<u> </u>	
% Bare Ground in Herb Stratum 0	-	= Total	Covei				
Remarks:							
Based on the time of year, species id	entification	ns we	re made b	ased on remnar	nt foliage and	l position	
on the landecane							

Sampling Point: WT-A33-UP1

Profile Desc	ription: (Describ	oe to the de	pth nee			tor or confirm	the absence of indic	ators.)	
Depth	Matrix				Features	-1 1 - 2	Tantona	Damada	
(inches) 0-9	Color (moist)	<u>%</u> 100		olor (moist)	% Typ	e ¹ Loc ²	<u>Texture</u>	Remarks	
0-9	101112/1						Fine sandy loam		
	-								
									
¹ Type: C=Co	oncentration, D=D	epletion. RN	1=Redu	ced Matrix. CS:	Covered or Co	oated Sand Gr	rains. ² Location: F	L=Pore Lining, M	=Matrix.
	ndicators: (App							oblematic Hydri	
Histosol	(A1)		S	Sandy Redox (S	5)		2 cm Muck (A10)	
Histic Ep	pipedon (A2)			Stripped Matrix (•			Material (TF2)	
Black Hi	stic (A3)		L	oamy Mucky M	ineral (F1) (exc	cept MLRA 1)	Very Shallov	/ Dark Surface (Ti	F12)
	n Sulfide (A4)			oamy Gleyed M			Other (Expla	in in Remarks)	
	Below Dark Surf	ace (A11)		Depleted Matrix			3		
	ark Surface (A12)			Redox Dark Surf	` '		·	Irophytic vegetatio	
-	lucky Mineral (S1) ileyed Matrix (S4)			Depleted Dark S Redox Depression				logy must be presed or problematic	
	_ayer (if present)		'	redux Depressi) is (i o)		uniess distant	ed of problematic	•
Type: Fro		•							
Depth (inc							Hydric Soil Presen	? Yes	No X
Remarks:							Tryunc don't resent	163	
	o be hydric	due to n	lant d	community	and lands	scane nos	sition		
Ornincory to	o bo riyano	aao to p	ianic	Johnmanney	aria iaria	σοαρό ρου	idori.		
HYDROLO	GY								
Wetland Hyd	drology Indicator	rs:							
_	ators (minimum o		ed; che	ck all that apply)		Secondary Inc	licators (2 or more	required)
-	Water (A1)				ed Leaves (B9	except		ined Leaves (B9)	
·	ter Table (A2)		-		, 2, 4A, and 4E		4A, an		(
Saturatio				Salt Crust (-,	•	Patterns (B10)	
·	arks (B1)			Aquatic Inv		3)	-	on Water Table (C	(2)
	it Deposits (B2)		-	Hydrogen S				Visible on Aerial	•
	osits (B3)		-				ots (C3) Geomorp		3 , ,
	t or Crust (B4)		_	Presence o	•	-	Shallow A	, ,	
	osits (B5)		_	Recent Iron	Reduction in	Filled Soils (C6			
Surface	Soil Cracks (B6)		_	Stunted or	Stressed Plants	s (D1) (LRR A)		t Mounds (D6) (L	RR A)
Inundation	on Visible on Aeria	al Imagery (I	37)	Other (Expl	ain in Remarks	s)	Frost-Hea	ve Hummocks (D	7)
Sparsely	Vegetated Conca	ave Surface	(B8)						
Field Observ	vations:								
Surface Water	er Present?	Yes	No_	x Depth (incl	nes):				
Water Table	Present?			x Depth (incl		I			
Saturation Pr	resent?			x Depth (incl			and Hydrology Prese	nt? Yes	No X
(includes cap	oillary fringe)								
Describe Red	corded Data (strea	am gauge, n	nonitorir	ng well, aerial pl	notos, previous	s inspections),	if available:		
Remarks:					. 1				
Unlikely to	o have wetla	and hydi	olog	y due to la	ndscape p	osition.			

Project/Site: Jayne's Parcel			City/County	_{y:} El Paso		Sampling	Sampling Date: 2/1/22		
Applicant/Owner:					State: CO Sampling Point: WT-A33-V				
Investigator(s): S. Clark		_							
Landform (hillslope, terrace, etc.): swal						Slope (%): 0			
Subregion (LRR): E					Long: - 104°40'24.59				
Soil Map Unit Name: Pring coarse sa									
Are climatic / hydrologic conditions on t									
Are Vegetation, Soil, or	• •	•				•	es X	No	
Are Vegetation, Soil, or									
SUMMARY OF FINDINGS - A	-							res, etc.	
Hydrophytic Vegetation Present?						•			
Hydric Soil Present?	Yes X	_ No		he Sampled		No			
Wetland Hydrology Present?	Yes X	No	Witi	nin a Wetlar	10? Yes <u>^</u>	No _			
VEGETATION – Use scientific	names of p	lants.							
NIA.				t Indicator	Dominance Test wor	ksheet:			
Tree Stratum (Plot size: NA 1		% Cover			Number of Dominant That Are OBL, FACW		1	_ (A)	
2					Total Number of Dom Species Across All St		1	(B)	
4			= Total Co		Percent of Dominant S That Are OBL, FACW		100	(A/B)	
Sapling/Shrub Stratum (Plot size: N/					Prevalence Index wo	rksheet:			
1					Total % Cover of:		Multiply by:		
2						x 1			
3 4					FACW species 90				
5					· .	x 3			
J			= Total Co	over	FACU species 2				
Herb Stratum (Plot size: 5')	<u> </u>	_ rotar ov			x 5			
1. Juncus arcticus		90	X	FAC₩	Column Totals: 102	(A)	218	(B)	
2. Verbascum thapsus		2		FACU	Prevalence Inde	$ex = B/A = \frac{A}{2}$	2.14		
3. Cirsium arvense		10		FAC	Hydrophytic Vegetat	ion Indicato	rs:		
4					x 1 - Rapid Test for	Hydrophytic	Vegetation		
5					x 2 - Dominance Te	est is >50%			
6				- ——	x 3 - Prevalence In	dex is ≤3.0 ¹			
7 8					4 - Morphological data in Remar	Adaptations ks or on a se	1 (Provide separate shee	upporting et)	
9				-	5 - Wetland Non-	Vascular Pla	nts ¹		
10					Problematic Hydr	ophytic Vege	etation¹ (Exp	lain)	
11.					¹ Indicators of hydric s be present, unless dis			y must	
Woody Vine Stratum (Plot size: NA)		= Total Co	ver	So prosont, amout die	50 51 pro			
1.					Hydrophytic				
2					Vegetation Present? Y	es X	No		
% Bare Ground in Herb Stratum 0			= Total Co	ver					
Remarks:									

Sampling Point: WT-A33-WT1

SOIL Sampling

Profile Desc	ription: (Descril	be to the de	pth ne	eded to d	ocum	ent the	indicator	or confi	irm the al	osence	of indicate	ors.)		
Depth	Matrix					Feature	es1	12		4		D		
(inches) 0-4	Color (moist) 10YR 2/1	<u>%</u> 100		color (moist)	%	Type ¹	Loc ²	lex	<u>cture</u>		Remark	(S	
0-4	1016 2/1	100						_	Sandy	Loam				
							_	_						
	-							_						
						-	_	_	_					
							_							
							_	_						
1						0	04			21 -	DI	Dana Linia		
	ncentration, D=D							ed Sand				Pore Lining		
_		ilicable to a					ieu.)					-	Julic 30i	15 .
Histosol	` '			Sandy Red	•				_		n Muck (A1			
	nipedon (A2)			Stripped M Loamy Mu			·1\	-4 MI DA	4)			terial (TF2)		
Black Hi	n Sulfide (A4)			Loamy Gle	-	•	, ,) WILKA	1) _			ark Surface in Remarks		
	l Below Dark Surf	face (Δ11)		Depleted N	-	•	۷)		_	Our	ei (Expiaii)	III Nemaiks)	
	rk Surface (A12)	ace (ATT)		Redox Dar)		3	Indicato	ors of hydro	phytic vege	tation an	d
	lucky Mineral (S1)		Depleted D		,	,				-	gy must be i		-
-	leyed Matrix (S4)			Redox Dep							-	or problem		
-	ayer (if present)													
Type: Fro														
Depth (inc									Hydi	ric Soil	Present?	Yes X	No	
Remarks:				•					11,74					
	may be simi	lar to Di	D_1 s	and mad	at th	Δ F6	hydric	eail in	dicato	r				
11113 3011 1	nay be sim	iai to Di	1 0) (II I	010	riyano	3011 111	aicatoi					
HYDROLO	GY													
	drology Indicator	re:												
_	ators (minimum o		adı abı	ank all that	annly)	`				Cooor	adom (India	storo (O or n		iirod\
-		orie requir	ea, che				(DO) (ators (2 or n		
·	Water (A1)						/es (B9) (except		v		ed Leaves (B9) (MLF	₹A 1, 2,
_	ter Table (A2)						and 4B)				4A, and	•		
Saturation	, ,			Salt C							_	tterns (B10)		
	arks (B1)			Aquat							-	Water Table		
Sedimer	it Deposits (B2)			Hydro	gen S	ulfide O	dor (C1)			s	aturation V	isible on Ae	rial Imag	ery (C9)
Drift Dep	osits (B3)			Oxidiz	zed Rł	nizosphe	eres along	g Living R	Roots (C3)	<u>x</u> G	Seomorphic	Position (D	2)	
Algal Ma	t or Crust (B4)			Prese	nce o	f Reduce	ed Iron (C	24)		s	hallow Aqu	itard (D3)		
Iron Dep	osits (B5)			Recei	nt Iron	Reduct	ion in Tille	ed Soils ((C6)	<u>×</u> F	AC-Neutra	Test (D5)		
Surface	Soil Cracks (B6)			Stunte	ed or S	Stressed	d Plants (I	01) (LRR	R A)	R	aised Ant I	Nounds (D6) (LRR A	١)
Inundation	on Visible on Aeri	al Imagery (B7)	Other	(Expl	ain in Re	emarks)			F	rost-Heave	Hummocks	s (D7)	
Sparsely	Vegetated Conc	ave Surface	(B8)											
Field Observ	vations:													
Surface Wate	er Present?	Yes	No	x Dept	h (incl	hes):								
Water Table		Yes						l l						
Saturation Pr		Yes							otland Hv	drolog	v Procent?	Yes X	No	·
(includes cap		163	110_	x Dept	II (IIICI	163)		— '' '	etiana my	uiolog	y Fresent:	163		
	corded Data (stream	am gauge, r	nonitor	ing well, a	rial pl	notos, p	revious in	spections	s), if availa	able:				
Remarks:														

Project/Site: Jayne's Parcel	c	City/County: E	l Paso		_ Sampling D	ate: 2/1/22	
Applicant/Owner:				State: CO	_ Sampling P	oint: WT-A	\39-UF
Investigator(s): S. Clark	s	Section, Towr	iship, Ra	nge: <u>S28 and 33, T12</u>			
				convex, none): concave		Slope (%):	10
Subregion (LRR): E	Lat: <u>38</u> °5	8'28.88"N		Long: - 104°40'13.0	1"W	Datum: WG	S84
Soil Map Unit Name: Pring coarse sandy loam,				NWI classif			
Are climatic / hydrologic conditions on the site typic							
Are Vegetation, Soil, or Hydrology	significantly d	disturbed?	Are "	"Normal Circumstances"	present? Ye	s_X N	0
Are Vegetation, Soil, or Hydrology				eeded, explain any answ			
SUMMARY OF FINDINGS – Attach sit							s, etc.
Hydrophytic Vegetation Present? Yes	No <u>X</u>						
	No <u>x</u>		Sampled		No ^X		
	No <u>x</u>	within	a Wetlar	ia? res	NO <u>^</u>		
Remarks:							
VEGETATION – Use scientific names				1			
Tree Stratum (Plot size: NA)	% Cover	Dominant Ir Species?	Status_	Number of Dominant S That Are OBL, FACW	Species		(A)
2				Total Number of Domi Species Across All Sti	inant		(B)
4				Percent of Dominant S That Are OBL, FACW	Species		(A/B)
Sapling/Shrub Stratum (Plot size: NA)			Prevalence Index wo			(,,,,
1				Total % Cover of:	N	lultiply by:	
2				OBL species 5	x 1 =	5	
3				FACW species 0	x 2 =	0	_
4					x 3 =		_
5		= Total Cove		FACU species 15	x 4 =	60	_
Herb Stratum (Plot size: 5'		- Total Cove	1		x 5 =		_
_{1.} Typha sp.	5	<u>C</u>	BL	Column Totals: 60	(A)	265	(B)
2. Verbascum thapsus	15		ACU_	Prevalence Inde	x = B/A = 4.4	12	
3. Centaurea diffusa	40	<u>x</u> <u>U</u>	PL	Hydrophytic Vegetat			
4				1 - Rapid Test for	Hydrophytic \	/egetation	
5				2 - Dominance Te	est is >50%		
6				3 - Prevalence Inc	dex is ≤3.0 ¹		
7 8				4 - Morphological data in Remar	Adaptations ¹ ks or on a sep	(Provide sup arate sheet)	porting
9.				5 - Wetland Non-	√ascular Plant	s ¹	
10				Problematic Hydr	ophytic Vegeta	ation¹ (Expla	in)
11.				¹ Indicators of hydric so be present, unless dis			nust
Woody Vine Stratum (Plot size: NA)	= Total Cover	•		· ·		
1				Hydrophytic			
2				Vegetation		. v	
W.D	=	= Total Cover		Present? Y	es N	10 _^	
% Bare Ground in Herb Stratum 20 Remarks:				<u> </u>			
Based on the time of year, specie	s identification	ıs were n	nade b	ased on remnar	nt foliage	and posi	ition
on the landscape		5. 5 11					

Sampling Point: WT-A39-UP1

Profile Des	cription: (Describ	e to the dept	h needed to docur	nent the i	ndicator	or confirm	the absenc	ce of indicators.)
Depth	Matrix	0/		x Feature		. 2	- .	Б
(inches) 0-3	Color (moist) 10YR 3/1	- <u>%</u> 100	Color (moist)	<u> </u>	Type ¹	Loc ²	Texture Sandy loam	Remarks
3-7	10 YR 4/2	100					Sand	
								_
-								
			Reduced Matrix, CS			d Sand Gr		ocation: PL=Pore Lining, M=Matrix.
_			RRs, unless other		ea.)			tors for Problematic Hydric Soils ³ :
Histoso	` '	-	Sandy Redox (•				cm Muck (A10)
	pipedon (A2)	-	Stripped Matrix		4. /			ed Parent Material (TF2)
	istic (A3)	-	Loamy Mucky N	,	,	MLRA 1)	·	ery Shallow Dark Surface (TF12)
_ ,	en Sulfide (A4) d Below Dark Surfa		Loamy Gleyed	•	2)		0	ther (Explain in Remarks)
. — .	ark Surface (A12)	ice (ATT)	Depleted Matrix Redox Dark Su				3Indica	ators of hydrophytic vegetation and
	Mucky Mineral (S1)	-	Depleted Dark					tland hydrology must be present,
-	Gleyed Matrix (S4)	-	Redox Depress		.,			ess disturbed or problematic.
	Layer (if present):			- (-)				
Type: Fr	ozen							
Depth (ir	iches): 7						Hydric So	oil Present? Yes No X
Remarks:	<u> </u>						1 -	
HYDROLO)GY							
Wetland Hy	drology Indicators	s:						
_			; check all that appl	y)			Sec	condary Indicators (2 or more required)
	Water (A1)		Water-Sta	•	es (B9) (e	xcept		Water-Stained Leaves (B9) (MLRA 1, 2,
	ater Table (A2)			1, 2, 4A, a			_	4A, and 4B)
Saturat			Salt Crust		,			Drainage Patterns (B10)
l ——	/larks (B1)		Aquatic In	` '	s (B13)			Dry-Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		` '		·	Saturation Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized F		. ,	Living Roo		Geomorphic Position (D2)
	at or Crust (B4)		Presence		_	_		Shallow Aquitard (D3)
	posits (B5)		Recent Iro					FAC-Neutral Test (D5)
	Soil Cracks (B6)		Stunted or					Raised Ant Mounds (D6) (LRR A)
	ion Visible on Aeria	l Imagery (B7				, ,	•	Frost-Heave Hummocks (D7)
·	y Vegetated Conca		· — · ·		,			` ,
Field Obse	<u> </u>	,	·					
Surface Wa	ter Present?	Yes N	lo x Depth (in	ches):				
Water Table			lo <u>x</u> Depth (in			l l		
Saturation F			lo x Depth (in			I	and Hydrolo	ogy Present? Yes No X
(includes ca	pillary fringe)							
Describe Re	ecorded Data (strea	m gauge, moi	nitoring well, aerial	photos, pr	evious ins	pections),	ıt available:	
Remarks:	to have wetle	nd bydra	logy due to l	andoss	no no n	ition		
Unlikely	to nave wella	ına riyaro	logy due to la	anusca	he hos	iliOH.		
1								

Project/Site: Jayne's Parcel		City/County: El Pas	O Sampling Date: 2/1/22
Applicant/Owner:		-	State: CO Sampling Point: WT-A39-U
Investigator(s): S. Clark		Section, Township, I	Range: S28 and 33, T12S, R65W
			e, convex, none): concave Slope (%): 5
			Long: - 104°40'15.65"W Datum: WGS84
			NWI classification: None
Are climatic / hydrologic conditions on the site typical for			
	-		e "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology			needed, explain any answers in Remarks.)
			t locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No X		
	No X	Is the Sampl within a Wet	
Wetland Hydrology Present? Yes Remarks:	No <u>X</u>	within a vvet	ialid: TeSNO
VEGETATION – Use scientific names of p		Dominant Indicato	r Dominance Test worksheet:
Tree Stratum (Plot size: NA) 1.		Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2			Total Number of Dominant Species Across All Strata: 1 (B)
4		= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)
1			Prevalence Index worksheet:
2.			Total % Cover of: Multiply by:
3			OBL species $\frac{0}{0}$ $x = \frac{0}{0}$ FACW species $\frac{0}{0}$ $x = \frac{0}{0}$
4			FACW species 0 $x 2 = 0$ FAC species 0 $x 3 = 0$
5			FAC species 20
5'		= Total Cover	UPL species 88 x 5 = 440
Herb Stratum (Plot size: 5' 1 Opuntia sp.	8	UPL	Column Totals: 108 (A) 520 (B)
2 Pascopyrum smithii		FACU	_
3 Bouteloua gracilis	80	x UPL	 Prevalence Index = B/A = 4.81 Hydrophytic Vegetation Indicators:
4			1 - Rapid Test for Hydrophytic Vegetation
5			2 - Dominance Test is >50%
6			3 - Prevalence Index is ≤3.0¹
7			4 - Morphological Adaptations ¹ (Provide supporting
8			data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹
9			Problematic Hydrophytic Vegetation (Explain)
10 11			Indicators of hydric soil and wetland hydrology must
	100	= Total Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA) 1			Hydrophytic
2.			HydrophyticVegetation
<u>-</u> .		= Total Cover	Present? Yes No _X
% Bare Ground in Herb Stratum 0		10tal 00vel	

Sampling Point: WT-A39-UP2

Profile Desc	ription: (Describe	to the depth	needed to docu	ment the i	ndicator	or confirm	n the absence of indicators.)
Depth	Matrix		Redo	x Features	3		
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture Remarks
0-6	10YR 2/1	100					Fine sandy loam
-	-						
1							2
	oncentration, D=Deplicators: (Applic					d Sand Gr	rains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
_					a.)		
Histosol	` '	_	Sandy Redox (Stripped Matrix				2 cm Muck (A10) Red Parent Material (TF2)
	oipedon (A2) stic (A3)	_	_ Suipped Math) (except	MI DA 1)	
	en Sulfide (A4)	_	_ Loamy Gleyed			WILIXA I)	Other (Explain in Remarks)
	d Below Dark Surfac	e (A11)	_ Depleted Matri		,		out (Explain in Nomano)
	ark Surface (A12)		Redox Dark Su				³ Indicators of hydrophytic vegetation and
Sandy N	lucky Mineral (S1)	_	Depleted Dark	Surface (F	7)		wetland hydrology must be present,
Sandy G	Gleyed Matrix (S4)	_	_ Redox Depres	sions (F8)			unless disturbed or problematic.
	Layer (if present):						
Type: Fro			<u> </u>				
Depth (in	ches): <u>6</u>						Hydric Soil Present? Yes No X
Remarks:							
Unlikely t	o be hydric d	ue to plar	nt communit	y and la	andsca	ipe pos	sition.
LIVERGLO	OV						
HYDROLO							
	drology Indicators						
Primary India	cators (minimum of o	one required;		•			Secondary Indicators (2 or more required)
	Water (A1)		· · · · · · · · · · · · · · · · · · ·	ined Leave	, , ,	xcept	Water-Stained Leaves (B9) (MLRA 1, 2,
_	iter Table (A2)			1, 2, 4A, a	nd 4B)		4A, and 4B)
Saturati	on (A3)		Salt Crust	. ,			Drainage Patterns (B10)
Water M			Aquatic Ir				Dry-Season Water Table (C2)
	nt Deposits (B2)			Sulfide Oc			Saturation Visible on Aerial Imagery (C9)
	oosits (B3)			Rhizosphei			
	at or Crust (B4)		Presence		•	•	Shallow Aquitard (D3)
-	oosits (B5)		Recent Ire				
	Soil Cracks (B6)		Stunted o			1) (LRR A)	
	on Visible on Aerial		Other (Ex	plain in Re	marks)		Frost-Heave Hummocks (D7)
	/ Vegetated Concav	e Surface (B8	5)				
Field Obser							
Surface Wat			Depth (ir				
Water Table	Present?	'es No	Depth (ir	iches):			
Saturation P		'es No	Depth (ir	iches):		Wetla	and Hydrology Present? Yes No X
(includes ca	oillary fringe) corded Data (strean	n daude moni	toring well aerial	nhotoe nr	avioue ine	nections) i	if available:
Describe Ne	corded Data (Stream	r gauge, mom	toring well, aeriai	priotos, pro	241003 1113	pections), i	ii available.
Domarica							
Remarks:	o have wetlar	nd hydrol	nav due to l	andeca	ne nos	ition	
Junicely (o navo wellal	ia riyardi	ogy due to i	uriusua	he hos		

Applicant/Owner: Investigator(s): S. Clark Landform (hillslope, terrace, etc.): depression Subregion (LRR): E Lat: 38°58'28.71"N Local relief (concave, concave, concave) Subregion (LRR): E Lat: 38°58'28.71"N Local relief (concave, concave) Local relief (concave, concave) Local relief (concave, concave) Local relief (concave) Loc	nvex, none): none Slope (%): 0 nvex, none): none Slope (%): none S
Investigator(s): S. Clark Landform (hillslope, terrace, etc.): depression Subregion (LRR): E Lat: 38°58'28.71"N Local relief (concave, concentrate) Soil Map Unit Name: Pring coarse sandy loam, 3-8% slopes Are climatic / hydrologic conditions on the site typical for this time of year? Yes X Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Noted Vegetation , Soil , or Hydrology naturally problematic? (If needs SUMMARY OF FINDINGS – Attach site map showing sampling point local Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X Wetland Hydrology Present? Yes X No State Sampled Are within a Wetland? Remarks: VEGETATION – Use scientific names of plants.	nvex, none): none Slope (%): 0 nvex, none): none Slope (%): none S
Landform (hillslope, terrace, etc.): depression	nvex, none): none Slope (%): 0 Long: -104°40'13.52"W Datum: WGS84 NWI classification: R4SBC (If no, explain in Remarks.) Demail Circumstances" present? Yes X No led, explain any answers in Remarks.) Patients, transects, important features, etc. Trea Paris Yes X No Paris No Pa
Subregion (LRR): E Lat: 38°58′28.71″N Lat: 38°58′28	NWI classification: R4SBC (If no, explain in Remarks.) primal Circumstances" present? Yes X No led, explain any answers in Remarks.) rations, transects, important features, etc. rea Yes X No N
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No Are Vegetation , Soil , or Hydrology significantly disturbed? Are "No Are Vegetation , Soil , or Hydrology naturally problematic? (If needs SUMMARY OF FINDINGS – Attach site map showing sampling point local Hydrophytic Vegetation Present? Yes X No	NWI classification: R4SBC (If no, explain in Remarks.) primal Circumstances" present? Yes X No led, explain any answers in Remarks.) rations, transects, important features, etc. rea Yes X No N
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No Are Vegetation, Soil, or Hydrology significantly disturbed? Are "No Are Vegetation, Soil, or Hydrology naturally problematic? (If needs SUMMARY OF FINDINGS – Attach site map showing sampling point local Hydrophytic Vegetation Present? Yes X No Is the Sampled Are Wetland Hydrology Present? Yes X No Is the Sampled Are Wetland Hydrology Present? Yes X No Within a Wetland? Remarks: VEGETATION – Use scientific names of plants.	(If no, explain in Remarks.) ormal Circumstances" present? Yes _X No led, explain any answers in Remarks.) rations, transects, important features, etc. rea ? Yes _X No
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "No Are Vegetation, Soil, or Hydrology naturally problematic? (If needed SUMMARY OF FINDINGS – Attach site map showing sampling point local Hydrophytic Vegetation Present? Yes X No Is the Sampled Are Wetland Hydrology Present? Yes X No Is the Sampled Are Wetland Hydrology Present? Yes X No Within a Wetland? Remarks: VEGETATION – Use scientific names of plants.	ormal Circumstances" present? Yes X No led, explain any answers in Remarks.) Pations, transects, important features, etc. Prea Yes X No No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needs SUMMARY OF FINDINGS – Attach site map showing sampling point local Hydrophytic Vegetation Present? Yes X No Is the Sampled Ar Wetland Hydrology Present? Yes X No Within a Wetland? Remarks: VEGETATION – Use scientific names of plants.	rea Yes X No
SUMMARY OF FINDINGS – Attach site map showing sampling point local Hydrophytic Vegetation Present? Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: VEGETATION – Use scientific names of plants.	rea Yes X No
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: VEGETATION – Use scientific names of plants. Absolute Dominant Indicator D	rea ? Yes <u>X</u> No
Hydric Soil Present? Wetland Hydrology Present? Remarks: VEGETATION – Use scientific names of plants. Absolute Dominant Indicator D	Yes X No
Remarks: VEGETATION – Use scientific names of plants. Absolute Dominant Indicator D	
VEGETATION – Use scientific names of plants. Absolute Dominant Indicator D	Daniero Tarturale bart
Absolute Dominant Indicator L	
Tree Stratum (Plot size: NA) % Cover Species? Status	Dominance Test worksheet: Number of Dominant Species
	That Are OBL, FACW, or FAC: 1 (A)
_	Fotal Number of Dominant Species Across All Strata: 1 (B)
= Total Cover T	Percent of Dominant Species 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 100 x 1 = 100
4	FACW species x 2 =
5	FAC species x 3 =
= Total Cover	FACU species x 4 =
	JPL species x 5 = Column Totals: 100 (A) 100 (B)
	Column Totals: <u>100</u> (A) <u>100</u> (B)
2	Prevalence Index = B/A = 1.00
	Hydrophytic Vegetation Indicators:
	x 1 - Rapid Test for Hydrophytic Vegetation
	x 2 - Dominance Test is >50%
-	x 3 - Prevalence Index is ≤3.01
7	 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	5 - Wetland Non-Vascular Plants ¹
	Problematic Hydrophytic Vegetation ¹ (Explain)
10	Indicators of hydric soil and wetland hydrology must
	pe present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: NA)	Hydrophytic
2. V	/egetation
% Bare Ground in Herb Stratum 0 = Total Cover	Present? Yes X No

Sampling Point: WT-A39-WT1

Depth	Matrix			Redox				_			_		
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²		Texture	Organia	Rema	arks	
0-1	10YR 2/1	_ 100		4.10			- =		Duff layer	Organio	38		
1-8	10 YR 3/1	_ 60	7.5 YR		5	<u>C</u>	_ <u>PL</u>	Fine	e sandy clay	loam			
			10 YR 4	4/1	35	RM	М						
							-						
					-	_		—					
						_							
						_							
Гуре: С=Со	ncentration, D=D	epletion, RN	/I=Reduced	Matrix, CS	=Covere	ed or Coat	ed Sand	l Gra	ins. ² Lc	cation: PL=	Pore Lini	ng, M=I	Matrix.
lydric Soil Ir	ndicators: (App	icable to a	II LRRs, unl	ess other	wise no	ted.)				ors for Prol			
Histosol (A1)		Sand	y Redox (S	S5)				2 c	m Muck (A1	0)		
	pedon (A2)			ed Matrix						d Parent Ma			
Black His	, ,			y Mucky M			t MLRA	1)		y Shallow D			12)
	n Sulfide (A4)	(044)		y Gleyed N		2)			Oth	ner (Explain	ın Remar	KS)	
	Below Dark Surf rk Surface (A12)	ace (A11)		ted Matrix x Dark Sur		:)			3Indicat	ors of hydro	nhytic vo	noitetan	and
	ucky Mineral (S1)			ted Dark Sur	•	•				and hydrolog		-	
-	eyed Matrix (S4)			x Depressi						ss disturbed			
	ayer (if present)	.			(- /	<u>'</u>							
Type: Froz	zen												
Depth (incl	hes): 8								Hydric Soi	I Present?	Yes X		No
emarks:													
YDROLOG		e.											
YDROLOG	rology Indicator		ed: check al	that apply	<i></i>				Seco	andary Indica	ators (2 o	r more r	required)
YDROLOG Vetland Hyd Primary Indica	rology Indicator ators (minimum o				•	ves (B9) (excent			indary Indica	-		
YDROLOG Vetland Hyd Primary Indica Surface V	rology Indicator ators (minimum o Vater (A1)			Nater-Stair	ned Lea	, , ,	except			Nater-Staine	ed Leaves		
YDROLOG Vetland Hyd Inimary Indica Surface V	rology Indicator ators (minimum o Vater (A1) er Table (A2)		\	Water-Stair	ned Lea 1, 2, 4A ,	ves (B9) ((and 4B)	except		/	Water-Staine	ed Leaves	s (B9) (I	
YDROLOG Vetland Hyd Trimary Indica Surface V High Wate Saturation	rology Indicator ators (minimum o Vater (A1) er Table (A2) n (A3)		\	Water-Stair MLRA 1 Salt Crust (ned Lea 1, 2, 4A, (B11)	and 4B)	except		\	Water-Staine 4A, and Orainage Pa	ed Leaves 4B) atterns (B	s (B9) (I 10)	MLRA 1, 2
YDROLOG Vetland Hydromary Indica Surface V High Wate Saturation Water Ma	rology Indicator ators (minimum o Vater (A1) er Table (A2) n (A3)		\ \;	Water-Stair	ned Lea 1, 2, 4A, (B11) vertebrat	and 4B) es (B13)	except		'	Water-Staine	ed Leaves 4B) atterns (Ba Water Ta	s (B9) (I I0) ble (C2	MLRA 1, 2
YDROLOG Vetland Hydromary Indica Surface V High Wate Saturation Water Ma	rology Indicator ators (minimum o Vater (A1) er Table (A2) n (A3) arks (B1) t Deposits (B2)		\ \ !	Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C	and 4B) es (B13) Odor (C1)		Root	'	Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V	ed Leaves 4B) atterns (B' Water Ta	s (B9) (I I0) ble (C2 Aerial Ir	MLRA 1, 2
YDROLOG Vetland Hydi Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo	rology Indicator ators (minimum o Vater (A1) er Table (A2) n (A3) arks (B1) t Deposits (B2)			Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C	es (B13) Odor (C1) eres along	ا Living	Roots	[[[S	Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V	ed Leaves 4B) atterns (Barrens) Water Tarrens Sisible on a services	s (B9) (I 10) ble (C2 Aerial Ir (D2)	MLRA 1, 2
YDROLOG Vetland Hydi Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo	rology Indicator ators (minimum of Vater (A1) er Table (A2) in (A3) arks (B1) it Deposits (B2) posits (B3) or Crust (B4)			Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C thizosphor	es (B13) Odor (C1) eres along ed Iron (C	j Living 34)		\ [[S	Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic	ed Leaves 4B) atterns (B' Water Ta sible on a Position uitard (D3)	s (B9) (I I0) ble (C2 Aerial Ir (D2)	MLRA 1, 2
YDROLOG Vetland Hydi Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo	rology Indicator ators (minimum of Vater (A1) er Table (A2) in (A3) arks (B1) it Deposits (B2) posits (B3) or Crust (B4)			Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence c	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C thizosphor Reduct	es (B13) Odor (C1) eres along eed Iron (C	g Living l (4) ed Soils	(C6)	[[[S	Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu	ed Leaves 4B) atterns (B' Water Ta risible on a Position attard (D3)	s (B9) (I I0) ble (C2 Aerial Ir (D2)	MLRA 1, 2
YDROLOG Vetland Hydromary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation	rology Indicator ators (minimum of Vater (A1) er Table (A2) in (A3) arks (B1) t Deposits (B2) posits (B3) t or Crust (B4) posits (B5) Soil Cracks (B6) in Visible on Aeria	f one requir		Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence c Recent Iror	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C thizosphor of Reduct n Reduct Stressed	es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (I	g Living l (4) ed Soils	(C6)	s (C3) x (Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral	ed Leaves 4B) Itterns (B' Water Ta 'isible on A Position Ittard (D3) I Test (D5)	(D2) (D6) (LR	MLRA 1, 2) nagery (CS
YDROLOG Vetland Hydi Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely	rology Indicator ators (minimum o Vater (A1) er Table (A2) n (A3) arks (B1) t Deposits (B2) posits (B3) or Crust (B4) posits (B5) soil Cracks (B6) n Visible on Aeria Vegetated Conca	f one requir		Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence of Recent Iror Stunted or	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C thizosphor of Reduct n Reduct Stressed	es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (I	g Living l (4) ed Soils	(C6)	s (C3) x (Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N	ed Leaves 4B) Itterns (B' Water Ta 'isible on A Position Ittard (D3) I Test (D5) Mounds (I	(D2) (D6) (LR	MLRA 1, 2) nagery (CS
YDROLOG Vetland Hydi Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Field Observe	rology Indicator ators (minimum of Vater (A1) er Table (A2) in (A3) arks (B1) at Deposits (B2) posits (B3) are Crust (B4) posits (B5) Soil Cracks (B6) in Visible on Aeria Vegetated Conca	f one requir al Imagery (ave Surface		Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence c Recent Iror Stunted or Other (Exp	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C chizospho of Reduct Reduct Stressed	es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (I emarks)	y Living (44) ed Soils D1) (LRI	(C6)	s (C3) x (Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N	ed Leaves 4B) Itterns (B' Water Ta 'isible on A Position Ittard (D3) I Test (D5) Mounds (I	(D2) (D6) (LR	MLRA 1, 2) nagery (CS
YDROLOG Vetland Hydromary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mate Iron Depo Surface S Inundation Sparsely Field Observation	rology Indicator ators (minimum of Vater (A1) er Table (A2) in (A3) arks (B1) arks (B1) beits (B3) cor Crust (B4) beits (B5) soil Cracks (B6) in Visible on Aeria Vegetated Conca ations: r Present?	f one requir al Imagery (ave Surface		Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence of Recent Iror Stunted or Other (Exp	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C chizosphi of Reduct Reduct Stressed lain in R	es (B13) Ddor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks)	J Living (44) ed Soils D1) (LRI	(C6)	s (C3) x (Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N	ed Leaves 4B) Itterns (B' Water Ta 'isible on A Position Ittard (D3) I Test (D5) Mounds (I	(D2) (D6) (LR	MLRA 1, 2) nagery (CS
YDROLOG Vetland Hydromary Indicator Surface V High Water Saturation Water Mater Sediment Drift Deporation Iron Deporation Surface S Inundation Sparsely Field Observation	rology Indicator ators (minimum of Vater (A1) er Table (A2) in (A3) arks (B1) arks (B1) beits (B3) cor Crust (B4) beits (B5) soil Cracks (B6) in Visible on Aeria Vegetated Conca ations: r Present?	al Imagery (ave Surface Yes Yes	B7) CB8)	Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence of Recent Iror Stunted or Other (Exp	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C chizospho of Reduct Stressed Iain in R	es (B13) Ddor (C1) eres along ed Iron (C tion in Tille d Plants (I emarks)	J Living (44) ed Soils O1) (LRI	(C6) R A)	s (C3) x (Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	ed Leaves 4B) Atterns (B' Water Ta Sisible on a Position Atterns (D3) I Test (D5) Mounds (I	s (B9) (III) ble (C2) Aerial Ir (D2))) D6) (LR	MLRA 1, 2) nagery (CS
YDROLOG Wetland Hydromary Indicator Surface V High Water Mater Sparsely Field Observer Mater Mater Table Footbatter Mater M	rology Indicator ators (minimum or Vater (A1) er Table (A2) in (A3) arks (B1) it Deposits (B2) posits (B3) ar Crust (B4) posits (B5) soil Cracks (B6) in Visible on Aeria Vegetated Conca ations: r Present? Present?	al Imagery (ave Surface Yes Yes		Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence of Recent Iror Stunted or Other (Exp	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C chizospho of Reduct Stressed Iain in R	es (B13) Ddor (C1) eres along ed Iron (C tion in Tille d Plants (I emarks)	J Living (44) ed Soils O1) (LRI	(C6) R A)	s (C3) x (Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	ed Leaves 4B) Atterns (B' Water Ta Sisible on a Position Atterns (D3) I Test (D5) Mounds (I	s (B9) (III) ble (C2) Aerial Ir (D2))) D6) (LR	MLRA 1, 2) nagery (CS
YDROLOG Wetland Hyde Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Field Observe Surface Water Water Table F Saturation Preincludes capi	rology Indicator ators (minimum or Vater (A1) er Table (A2) in (A3) arks (B1) it Deposits (B2) posits (B3) ar Crust (B4) posits (B5) soil Cracks (B6) in Visible on Aeria Vegetated Conca ations: r Present? Present?	al Imagery (ave Surface Yes Yes Yes	B7) (B8) No x No x No x	Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence of Recent Iror Stunted or Other (Exp Depth (inc	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C chizosphi of Reduct Reduct Stressed lain in R	es (B13) Ddor (C1) eres along ed Iron (C tion in Tille d Plants (I emarks)	y Living (24) ed Soils D1) (LRI	(C6) R A)		Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	ed Leaves 4B) Atterns (B' Water Ta Sisible on a Position Atterns (D3) I Test (D5) Mounds (I	s (B9) (III) ble (C2) Aerial Ir (D2))) D6) (LR	MLRA 1, 2
Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Field Observ Surface Water Water Table F Saturation Pre (includes capi	rology Indicator ators (minimum or vater (A1) er Table (A2) n (A3) arks (B1) t Deposits (B2) posits (B3) or Crust (B4) posits (B5) Goil Cracks (B6) n Visible on Aeria Vegetated Conca ations: r Present? Present? esent?	al Imagery (ave Surface Yes Yes Yes	B7) (B8) No x No x No x	Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence of Recent Iror Stunted or Other (Exp Depth (inc	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C chizosphi of Reduct Reduct Stressed lain in R	es (B13) Ddor (C1) eres along ed Iron (C tion in Tille d Plants (I emarks)	y Living (24) ed Soils D1) (LRI	(C6) R A)		Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	ed Leaves 4B) Atterns (B' Water Ta Sisible on a Position Atterns (D3) I Test (D5) Mounds (I	s (B9) (III) ble (C2) Aerial Ir (D2))) D6) (LR	MLRA 1, 2
YDROLOG Wetland Hyde Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Field Observe Surface Water Water Table F Saturation Preincludes capi	rology Indicator ators (minimum or vater (A1) er Table (A2) n (A3) arks (B1) t Deposits (B2) posits (B3) or Crust (B4) posits (B5) Goil Cracks (B6) n Visible on Aeria Vegetated Conca ations: r Present? Present? esent?	al Imagery (ave Surface Yes Yes Yes	B7) (B8) No x No x No x	Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence of Recent Iror Stunted or Other (Exp Depth (inc	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C chizosphi of Reduct Reduct Stressed lain in R	es (B13) Ddor (C1) eres along ed Iron (C tion in Tille d Plants (I emarks)	y Living (24) ed Soils D1) (LRI	(C6) R A)		Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	ed Leaves 4B) Atterns (B' Water Ta Sisible on a Position Atterns (D3) I Test (D5) Mounds (I	s (B9) (III) ble (C2) Aerial Ir (D2))) D6) (LR	MLRA 1, 2
YDROLOG Vetland Hydi Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Field Observ. Surface Water Vater Table F Saturation Presincludes capi	rology Indicator ators (minimum or vater (A1) er Table (A2) n (A3) arks (B1) t Deposits (B2) posits (B3) or Crust (B4) posits (B5) Goil Cracks (B6) n Visible on Aeria Vegetated Conca ations: r Present? Present? esent?	al Imagery (ave Surface Yes Yes Yes	B7) (B8) No x No x No x	Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence of Recent Iror Stunted or Other (Exp Depth (inc	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C chizosphi of Reduct Reduct Stressed lain in R	es (B13) Ddor (C1) eres along ed Iron (C tion in Tille d Plants (I emarks)	y Living (24) ed Soils D1) (LRI	(C6) R A)		Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	ed Leaves 4B) Atterns (B' Water Ta Sisible on a Position Atterns (D3) I Test (D5) Mounds (I	s (B9) (III) ble (C2) Aerial Ir (D2))) D6) (LR cks (D7)	MLRA 1, 2
YDROLOG Vetland Hydi Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Gield Observ. Gurface Water Vater Table F Saturation Pre ncludes capi Describe Reco	rology Indicator ators (minimum or vater (A1) er Table (A2) n (A3) arks (B1) t Deposits (B2) posits (B3) or Crust (B4) posits (B5) Goil Cracks (B6) n Visible on Aeria Vegetated Conca ations: r Present? Present? esent?	al Imagery (ave Surface Yes Yes Yes	B7) (B8) No x No x No x	Water-Stain MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Dxidized R Presence of Recent Iror Stunted or Other (Exp Depth (inc	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C chizosphi of Reduct Reduct Stressed lain in R	es (B13) Ddor (C1) eres along ed Iron (C tion in Tille d Plants (I emarks)	y Living (24) ed Soils D1) (LRI	(C6) R A)		Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	ed Leaves 4B) Atterns (B' Water Ta Sisible on a Position Atterns (D3) I Test (D5) Mounds (I	s (B9) (III) ble (C2) Aerial Ir (D2))) D6) (LR cks (D7)	MLRA 1, 2

Project/Site: Jayne's Parcel			City/County	_{/:} El Paso		Sampling Date: 2	/1/22
Applicant/Owner:					State: CO	Sampling Point: \(\frac{1}{2} \)	<i>N</i> T-A39-WT2
Investigator(s): S. Clark			Section, To	wnship, Rai	nge: S28 and 33, T12S	, R65W	
Landform (hillslope, terrace, etc.): hillsl					convex, none): concave		oe (%): <u>7</u>
Subregion (LRR): E		Lat: 38°	58'18.72"N	١	Long: - 104°40'15.51"	W Datur	_{n:} WGS84
Soil Map Unit Name: Pring coarse sa	ndy loam, 3-8% s				NWI classific		
Are climatic / hydrologic conditions on t	he site typical for th						
Are Vegetation, Soil, or	Hydrology	significantly	disturbed?	Are "	Normal Circumstances" p	resent? Yes X	No
Are Vegetation, Soil, or		-			eded, explain any answe		_
SUMMARY OF FINDINGS - A							atures, etc.
Hydrophytic Vegetation Present?	Yes X N				_		
Hydric Soil Present?	Yes X N			ne Sampled nin a Wetlan		No	
Wetland Hydrology Present?	Yes X	No	With	iiii a vvetiai	iu: 165		
Remarks:							
VEGETATION – Use scientific	names of plan	nte					
VEGETATION — OSC SCIENTING	- Hames of plai		Dominant	Indicator	Dominance Test work	sheet:	
Tree Stratum (Plot size: NA)	% Cover			Number of Dominant Sp	pecies	
1					That Are OBL, FACW,		(A)
2					Total Number of Domin	ant	
3					Species Across All Stra	ta: <u>1</u>	(B)
4					Percent of Dominant Sp		
Sapling/Shrub Stratum (Plot size: NA	۹)		= Total Co	over	That Are OBL, FACW, o		(A/B)
1.		<u> </u>			Prevalence Index work		
2					Total % Cover of: OBL species 0		Dy:
3					FACW species 90		
4						x 3 = 6	
5				· ———	FACU species 18		
Herb Stratum (Plot size: 5')		_= Total Co	over	'	x 5 =	
1. Juncus arcticus	/	90	x	FAC₩	Column Totals: 110	(A) <u>258</u>	(B)
2. Bromus inermis		8		FACU	Prevalence Index	= R/Δ = 2.35	
3. Cirsium arvense		2		FAC	Hydrophytic Vegetation		
4. Pascopyrum smithii		_ 10		FACU	x 1 - Rapid Test for H		ation
5					x 2 - Dominance Tes		
6					x 3 - Prevalence Inde	ex is ≤3.0 ¹	
7					4 - Morphological A		
8						s or on a separate	sheet)
9					5 - Wetland Non-Va		(Free lain)
10				·	Problematic Hydrop Indicators of hydric soi		
11.					be present, unless distu		
Woody Vine Stratum (Plot size: NA)	110	= Total Co	ver			
1	,				Hydrophytic		
2.					Vegetation	ν	
_			= Total Co	ver	Present? Yes	s <u> </u>	
% Bare Ground in Herb Stratum 0							
Remarks: Based on the time of year	species ider	ntification	ns were	made h	ased on remnant	t foliage and	nosition
on the landscape.	, 500000 1001		.55.0		2.300 311 1311111411		

Sampling Point: WT-A39-WT2

Profile Desc Depth	cription: (Descrit Matrix		ptn need		ment the in		or conf	irm the a	bsence of indicators.)		
(inches)	Color (moist)	%	Colo	r (moist)	<u>%</u>	Type ¹	Loc ²	 Te	xture Rem	narks	
0-3	10YR 2/1	100							ndy loam		
3-8	10 YR 2/1	98	7.5 Y	R 4/6	2	C	PL	Fine san	dy clay loam		
						-			<u> </u>		_
						-					
1Type: C=C	oncentration, D=D	— ——— enletion PM	I=Poduce	ad Matrix CS	S=Covered	I or Coate	. ——— ad Sand	Grains	² Location: PL=Pore Lir	ning M=Matrix	
	Indicators: (App						eu Gariu		Indicators for Problematic		
Histosol				ndy Redox (,			2 cm Muck (A10)	,	
	oipedon (A2)			pped Matrix					Red Parent Material (TI	F2)	
Black Hi	stic (A3)		Loa	amy Mucky I	Mineral (F1) (excep	t MLRA	.1)	Very Shallow Dark Surf	ace (TF12)	
	en Sulfide (A4)			amy Gleyed	• •)			Other (Explain in Rema	ırks)	
	d Below Dark Surf	ace (A11)		pleted Matrix					31 11 1 61 1 1 1		
	ark Surface (A12) /lucky Mineral (S1)			dox Dark Su pleted Dark		7)			Indicators of hydrophytic ve wetland hydrology must		
	Gleyed Matrix (S4)			dox Depress	•	<i>'</i>)			unless disturbed or probl	•	
	Layer (if present)			иси Воргосс	, , , , , , , , , , , , , , , , , , ,				anicos distarbod or probl	- Ciriatio.	
Type: Fro											
Depth (in	ches): 8							Hyd	Iric Soil Present? Yes	X No	
Remarks:											
UVDBOLO	CV										
HYDROLO											
_	drology Indicator			-11 4141	lX				0		
-	cators (minimum o	r one require	ea; cneck		• .	(DO) (Secondary Indicators (2 o		
, ————————————————————————————————————	Water (A1)				ined Leave		except		Water-Stained Leave	s (B9) (MLRA 1, 2	2,
Align wa	ater Table (A2)				1, 2, 4A, a	ina 4B)			4A, and 4B) Drainage Patterns (B	210)	
	larks (B1)			Salt CrustAquatic In		o (D12)			Dry-Season Water T	,	
·	nt Deposits (B2)			_ Aquatic iii _ Hydrogen					Saturation Visible on		201
Drift Dep							Livina F	Roots (C3) x Geomorphic Position	• • •))
	at or Crust (B4)			_ Oxidized i		_		.50.5 (00	Shallow Aquitard (D3		
Iron Dep				Recent Iro				(C6)	x FAC-Neutral Test (D	,	
	Soil Cracks (B6)			Stunted or					Raised Ant Mounds (
	on Visible on Aeria	al Imagery (E		Other (Ex			, (,	Frost-Heave Hummo		
Sparsely	y Vegetated Conca	ave Surface	(B8)								
Field Obser	vations:										
Surface Wat	er Present?	Yes	No_x	_ Depth (in	ches):						
Water Table	Present?	Yes	No x	_ Depth (in	ches):						
Saturation P		Yes	No <u>x</u>	_ Depth (in	ches):		w	etland H	ydrology Present? Yes _	X No	
(includes cap	oillary fringe) corded Data (strea	am dalido m	onitorina	well agricl	nhotos pr	avious in	enaction	e) if avai	ahle:		
Describe Re	corded Data (Strea	am gauge, m	oriitoririg	well, aeriai	priotos, pre	evious in	spection	s), II avai	able.		
Remarks:											
Remarks.											



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.