

### **APPENDIX F**

# PRELIMINARY JURISDICTIONAL DELINEATION REPORT - ECOSPHERE ENVIRONMENTAL SERVICES

## Durango-La Plata County Airport

# Wetland and Waters of the U.S. Preliminary Jurisdictional Delineation Report

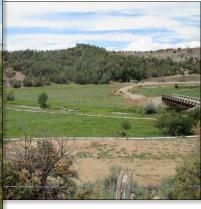
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October 2014









Durango, CO Cortez, CO Pagosa Springs, CO Santa Fe, NM Farmington, NM

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#### **ACRONYMS AND ABBREVIATIONS**

Ecosphere Environmental Services, Inc.

GIS Geographic Information System

NRCS Natural Resource Conservation Service

NWI National Wetland Inventory
OHWM Ordinary High Water Mark
USACE U. S. Army Corps of Engineers
USDA U.S. Department of Agriculture

USGS U.S. Geologic Survey

WDDF Wetland Determination Data Form WRCC Western Regional Climate Center

WUS waters of the U.S.

#### 1. Introduction

#### 1.1 Project Description

Ecosphere Environmental Services, Inc. (Ecosphere) was contracted by Jviation, Inc. to determine the presence of wetlands and other jurisdictional waters of the U.S. (WUS) located on property owned by the city of Durango, where the Durango-La Plata County Airport resides. Ecosphere delineated wetlands in the survey area and mapped wetlands and other (WUS using the National Wetland Inventory (NWI) mapping standards. All work was done to support planning efforts for the Durango - La Plata County Airport Master Plan. Future development at the airport may include relocation of the terminal or expansion of the existing terminal and expansion of other facilities, though exact locations are not currently known.

#### 1.2 Scope of Services

The scope of work for the wetland delineations includes the following:

 Review existing Geographic Information System (GIS) data, including the National Hydrologic

Dataset, NWI, and U.S. Geological Survey (USGS) soil data that identifies hydric soils

- Conduct pedestrian field surveys to delineate wetlands and WUS
- Verify and modify (as needed) the existing NWI mapping within the survey area
- Prepare a Wetland Delineation Report suitable for submittal to the U.S. Army Corps of Engineers

(USACE)

#### 1.3 Site Location

The airport is situated in the foothills of the San Juan Mountains in southwestern Colorado, approximately 14 miles southeast of the City of Durango (Figure 1, Appendix A). The airport is located in La Plata County on the Loma Linda, Colorado, 7.5-minute United States Geological Survey quadrangle. About 35 percent of the survey area is improved or paved as part of the runway and airport infrastructure. The airport is accessed via Colorado 172 and Airport Road.

The survey area is defined as the Durango – La Plata County Airport boundary comprising about 1,258 acres (Figure 2). The airport boundary is the survey area for this wetland delineation report. The mesa top is the portion of the property that includes the footprint of the airport proper, but the property boundary extends down to the Florida River to the west and to highway 172 to the north. The legal coordinates for the airport are as follows:

Sections 20, 29, 30, 31, 32 Township 34 North, Range 8 West Section 6, Township 33 North, Range 8 West Section 1, Township 33 North, Range 9 West

#### New Mexico Principal Meridian La Plata County, Colorado

#### 2. EXISTING CONDITIONS

#### 2.1 Vegetation Conditions

According to SWReGAP (Southwest Regional Gap Analysis Project), the primary vegetation community in the survey area is mapped as agriculture both on the mesa top and in the Florida River valley. Although current uses at the airport are private, commercial, and industrial, the historical land use was agriculture. Agriculture, especially ranching, continues to dominate the surrounding area. The second most prominent vegetation community mapped is Colorado Plateau piñon-juniper (*Pinus edulis-juniperus scopulorom*) woodlands, covering the slopes leading up to the mesa and the slope across the Florida River above the valley floor. Other vegetation types include Inter-Mountain Basin big sagebrush (*Artemisia tridentata*) shrublands interspersed within the piñon—juniper woodlands and Inter-Mountain Basin semi-desert shrub steppe. The airport facilities and buildings occur in an area mapped as Inter-Mountain Basin greasewood flats, yet none of that habitat remains.

Eight Colorado-listed and La Plata County-listed noxious<sup>1</sup> and enforceable weed species were observed throughout the survey area. Enforceable Colorado List B species observed in the survey area include: bull thistle (*Cirsium vulgare*), Canada thistle (*Cirsium arvense*), houndstongue (*Cynoglossum officinale*), musk thistle (*Carduus nutans*), oxeye daisy (*Chrysanthemum leucanthemum*), Russian knapweed (*Acroptilon repens*), salt cedar (*Tamarix sp.*), and scotch thistle (*Onopordum acanthium*).

A list of plants observed during field work in the survey area is provided in Appendix B.

#### 2.2 Soils

The surface geology of the project area includes the Nacimiento Formation, Gravels and Alluviums (Pinedale and Bull Lake Age), and San Jose Formation. About 5 to 10 percent cryptobiotic soils were observed in the piñon-juniper woodlands. Slopes within the survey area range from 0 to 20 degrees. A northwestern aspect occurs on the west side of the mesa and a southeastern aspect occurs on the eastern side of the mesa.

Based on the Soil Survey of La Plata County, Colorado, there are seven soil-mapping units present in the survey area as shown in Table 1 (NRCS<sup>2</sup> 2014). Three soil types—Falfa clay loam, Tefton loam, and Arboles clay—are partially hydric. Wetlands were observed predominantly in the Falfa clay loam soil type.

<sup>&</sup>lt;sup>1</sup> Noxious weeds are non-native plants that disrupt native vegetation and ecosystems.

<sup>&</sup>lt;sup>2</sup> NRCS = Natural Resource Conservation Service

Table 1. USDA Soil Types in the Project Area

Soil Type	Description and Slope	Erosion Hazard
Falfa clay loam	Well drained, prime farmland if irrigated, not hydric, 1 to 3 percent slopes	Slight
Falfa clay loam	Well drained, partially hydric, 3 to 8 percent slopes	Moderate
Tefton loam	Somewhat poorly drained, partially hydric, prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season	Slight
Ustic Torriorthents- Ustollic	Well drained, not hydric, 12 to 60 percent slopes	Severe
Arboles clay	Well drained, partially hydric, 3 to 12 percent slopes	Moderate
Zyme-Rock outcrop complex	Well drained, not hydric, 12 to 65 percent slopes	Severe
Bodot clay	Well drained, not hydric, 3 to 10 percent slopes	Moderate

Source: NRCS, US Department of Agriculture (USDA) 2014

#### 2.3 Hydrology

The airport is located on a plateau above the Florida River with an elevation range of 6,450 to 6,690 feet above mean sea level. The south-flowing Florida River, a tributary of the Animas River, is located about three-tenths of a mile west of the runway facility and is the predominant water feature within the airport vicinity. Salt Creek, an intermittent tributary of the Florida River, is located approximately on-half mile east of the airport. The Animas River is located approximately 6.5 miles west of the airport.

The project area is located in an arid landscape; annual precipitation at the airport is 12.6 inches per year (WRCC³ 2014). The survey area includes lands that support agriculture and animal husbandry, particularly in the Florida River valley, and includes fallow agricultural lands in the northeastern corner. One active irrigation ditch located in the northeastern survey area conveys irrigation water across the airport property to support agricultural practices downstream. Pastures irrigated by center pivot and flood irrigation are located directly west and north of the northeastern survey area. These lands are up gradient and drain onto the fallow agricultural lands of the survey area. Many abandoned sub-lateral irrigation ditches in the northeastern survey area capture irrigation return flows from neighboring pastures and

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<sup>&</sup>lt;sup>3</sup> WRCC = Western Regional Climate Center

distribute water throughout. Irrigation in the region returns water to local streams and plays a significant role in supporting wetland hydrology in the survey area.

Irrigation return flows and surface drainage flow west into the Florida River and east into Salt Creek, depending on the side of the mesa. Salt Creek is tributary to the Florida River; the confluence is approximately one mile downstream of the proposed survey area. The Florida River is a perennial stream located within the San Juan Watershed (HUC 14080104).

#### 3. METHODOLOGY

Wetlands in the project area were mapped on August 26, 27, and September 4 and 25, 2014, using the methodologies defined below.

#### 3.1 Wetlands and Waters of the U.S.

Due to the large survey area and significant influence to the landscape from irrigation practices, and because available NWI mapping of the area was erroneous, two delineation methodologies were applied to delineate potentially jurisdictional wetlands and WUS in the airport planning area. The initial screening method consisted of review of 6-inch resolution color infrared aerial imagery from 2012 applying NWI Classification standards (Cowardin, et. al. 1979). In addition to mapping the boundaries of existing (accurate) NWI polygons, this approach served to calibrate and re-delineate apparent wetland areas according to NWI Classification standards. Approximately 57 acres of potentially jurisdictional wetlands were delineated and mapped in the survey area. The NWI classification is used by the U.S. Fish & Wildlife Services to inventory wetlands and deepwater habitats of the United States and may be used as a guide to inform development planning within the survey area. This wetland mapping approach is in conformance with Part IV, Section D, Subsection 3 of the Wetlands Delineation Manual (USACE 1987) for routine preliminary jurisdictional determinations of wetland complexes greater than 5 acres in size.

Once this initial delineation and mapping was completed, approximately 20 acres of the potentially jurisdictional 57 acres of wetlands were delineated using the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0) (USACE 2008a) and the Wetlands Delineation Manual. The delineation of this 20 acre subset using the referenced manuals was intended to validate the delineation boundaries mapped according to the NWI classification method. This amount of acreage represents a significant proportion of the total potential jurisdictional wetlands in the study area and is an appropriate validation methodology as defined by Part IV, Section D, Subsection 3 of the Wetlands Delineation Manual. Under the delineation procedures in these manuals, an area must exhibit characteristic wetland hydrology, hydric soils, and hydrophytic vegetation to be considered a wetland. Any area that appeared to display these characteristics was investigated using an approved USACE Arid West Wetland Determination Form. The delineation of these approximately 20 acres of wetlands were flagged in the field using pin flags and flagging tape to facilitate USACE field verification, and serves to validate wetland areas mapped by Ecosphere according to the NWI classification standards. The flag

locations and all mapped wetland boundaries may be relocated using a sub-meter Trimble GeoXT® global positioning system unit.

Results of the wetland survey (including wetland boundaries, flag points, photo points, and soil pits) are shown on detailed maps in Appendix A, Figures 3-9. Any plant species observed and hydric plant status may be found on the forms included in Appendix B. Completed determination forms are included in Appendix C; representative photographs are included in Appendix D.

Ordinary High Water Mark (OHWM) evaluations were prepared in accordance with the methodology identified in the USACE Field Guide to the Identification of OHWM (USACE 2008b). The National Hydrography Dataset, a general surface water database that contains features such as lakes, ponds, streams, rivers, canals, dams and stream gauges, was referenced prior to conducting the project fieldwork (USGS 2008).

This report provides the Minimum Standards for Acceptance of Preliminary Wetlands Delineations (USACE 2001). It should be noted that the methods applied to delineate study area wetlands and WUS represents a very conservative estimate of jurisdictional areas present in the planning area.

#### 3.1.1 Hydrophytic Vegetation

The USACE Manual defines hydrophytic vegetation as "the community of macrophytes that occurs in areas where inundation or soil saturation is either permanent or of sufficient frequency and duration to exert a controlling influence on the plant species present" (USACE 2008a). Hydrophytic vegetation decisions are based primarily on the wetland indicator status, as defined by the USACE National Hydric Plant List (Lichvar 2013). Wetland indicator status ratings include obligate (OBL), facultative wetland (FACW), facultative (FAC), facultative upland (FACU), upland (UPL), no indicator (NI), and not listed (NL). Scientific nomenclature of all plant species follows that of the PLANTS database (USDA 2012).

The locations of sampling points were selected to capture the primary vegetation communities of the wetland and adjacent upland areas. Points were sometimes located near each other to highlight the transition from wetland to upland. At each sample plot, trees and shrubs within a 25-foot radius and graminoids and forbs within a 5-foot radius were identified and recorded on the wetland determination form. The Dominance Test is the basic hydrophytic vegetation indicator that was applied to every point sampled. The Dominance Test identifies the most abundant species in the community and uses a repeatable and objective procedure for selecting dominant plant species. The Prevalence Index was calculated if the Dominance Test failed. The Prevalence Index takes into consideration the percent cover of all plants identified at the sampling point.

#### 3.1.2 Hydric Soils

The National Technical Committee for Hydric Soils defines a hydric soil as "a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part" (USACE 1987). Most hydric soils exhibit characteristic

morphologies that result from repeated periods of saturation or inundation for more than a few days. Saturation or inundation combined with microbial activity in the soil causes the depletion of oxygen. These processes are evident in the field and can include high organic contents, gley formations, development of redoximorphic features, and other hydric indicators as outlined in the Arid West Supplement (USACE 2008a).

Soil samples were obtained at each data point by digging a pit to a depth of sufficient depth to determine hydric characteristics. Soil samples were then examined for soil texture and hydric soil indicators. Soil colors were evaluated using a Munsell® soil color chart (Gretag/Macbeth 2000).

#### 3.1.3 Wetland Hydrology

Hydrophytic vegetation and hydric soil indicators typically represent a site's medium- to long-term history. Wetland hydrology indicators provide evidence that the "site has a continuing wetland hydrologic regime and that hydric soils and hydrophytic vegetation are not relics of a past hydrologic regime" (USACE 2008a). Hydrology indicators are the most inconsistent of wetland indicators, especially in the arid west where extended dry seasons are common and precipitation within a year has extreme temporal and spatial variability.

Assessment of the hydrologic criterion was based on primary and secondary indicators, as described in the Arid West Supplement (USACE 2008a). Primary indicators include observation of surface water or saturation, as well as evidence of recent inundation (e.g., oxidized rhizospheres along living roots) or current or recent soil saturation (e.g., hydrogen sulfide odor, oxidized rhizospheres). Secondary indicators also include some indicators of recent inundation or saturation (e.g., drainage patterns, saturation visible on aerial imagery).

#### 4. RESULTS

#### 4.1 Wetlands and Other Waters of the U.S. in the Survey Area

Six wetland verification areas were delineated within the study area totaling over 20 acres. These wetland areas are described in detail in Sections 4.1.1 thru 4.1.5 below. Table 2 contains a summary of all the wetlands delineated according to the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0) (USACE 2008a) and the Wetlands Delineation Manual (USACE 1987) within the survey area.

Table 2. Delineated Verification Wetlands within the Survey Area

Name	NWI Classification <sup>1</sup>	Latitude <sup>2</sup>	Longitude <sup>2</sup>	Area (Acre)	Method Used
Wetland	PEM1C	37.16	-107.7424	2.61	Field

Name	NWI Classification <sup>1</sup>	Latitude <sup>2</sup>	Longitude <sup>2</sup>	Area (Acre)	Method Used
Wetland	PEM1F	37.1668	-107.7443	0.57	Field
Wetland I	PEM1C	37.1655	-107.7377	16.42	Field
Wetland	PEM1F	37.1618	-107.7493	0.06	Field
Wetland L	PEM1F	37.1618	-107.7487	0.004	Field
Wetland	PEM1F	37.1579	-107.7532	0.45	Field
			Total	20.1	

<sup>&</sup>lt;sup>1</sup> PEMC1C = Palustrine emergent, seasonal, seasonally flooded; PEM1F = palustrine emergent, persistent, semi-permanently flooded (Cowardin, et al. 1979)

Other wetlands within the study area were identified using the NWI classification method described above. An additional 36.9 acres were delineated and mapped in the study area as potentially jurisdictional wetlands using NWI classification standards. In total, approximately 57 acres of potentially jurisdictional wetlands were delineated and mapped in the study area.

#### 4.1.1 Fallow Pasture, Northeast Corner

Roughly 17 acres of wetlands were delineated north of County Road 309a (Wetlands G and I) (Figure 3). Another 26.9 acres were classified as wetlands based on color infrared imagery, NWI classification standards (collectively, these are labeled H1 through H16). Wetlands in this pasture persist in part due to irrigation return flows from adjacent land use. Irrigation runoff from neighboring pastures introduce a seasonal supply of water to the fallow pasture. A network of ditches and laterals convey this water throughout and disperse water into mapped wetland areas (Photo 9). A total of 1.8 miles of ditches and laterals were measured from the color IR imagery in the northeast corner alone. This network of ditches and laterals flow into and out of three ponds (Photo 8). For some perspective, a review of historic aerial imagery shows surrounding land uses employed flood irrigation since 1993. A center pivot was added in an adjoining, tributary field by 2005, likely reducing irrigation return flows onto the property since that time. However, flood irrigation is still employed in the adjacent, tributary pasture.

Dominant hydrophytic vegetation in the fields included redtop (*Agrostis gigantea*), inland sedge (*Carex interior*), cattails (*Typha latifolia*), arctic rush (*Juncus arcticus*), barnyard grass (*Echinochloa crus-galli*) and creeping meadow foxtail (*Alopecurous arundinaceus*) (WDDF 1h-3h) (Photo 10). Hydric soils in the field were predominantly red parent material with a low chroma and evidence of reducing conditions.

<sup>&</sup>lt;sup>2</sup> North American Datum 83, decimal degrees

### **4.1.2** Wetlands within the Secured, Fenced Interior of the Durango - La Plata County Airport

Wetlands found within the secured, fenced interior of the Durango - La Plata County Airport were commonly observed below the mesa rim within drainages (Photo 11; Figure 7, 8 & 9). Wetland hydrology generally included saturated soil. All but one of the areas lacked surface flow, but instead included persistent hydrophytic vegetation such as cattails, arctic rush and redtop. One seep was observed below a sandstone outcrop, also in a natural drainage (Figure 6). Downstream of the seep, a wetland is formed on a narrow bench below the mesa rim within the piñon-juniper woodland (Photo 13). Once the gradient increases in the drainage, a narrow, wetland fringe buffers the stream. A jurisdictional ephemeral wash forms the headwater of this minor drainage.

#### 4.1.3 Wetlands near Administrative Buildings and Main Terminal Parking

Wetlands J and M are man-made palustrine emergent wetlands designed to manage stormwater runoff from developed airport facilities (Photos 1 and 2; Figures 4 and 7). A concrete spillway and excavated basin collects and detains stormwater for treatment. Larger precipitation events will fill and eventually spill over the concrete structure into a man-made earthen channel to the Florida valley floor below. Hydrophytic vegetation was predominantly cattails. A narrow band of coyote willows (*Salix exigua*) was observed growing along the northwest shoreline. There are three storm inlets to Wetland M and two storm inlets into Wetland J. Hydric soil includes red parent material (WDDF 1m).

#### 4.1.4 The Florida River, Valley Floor and Tributary Waters

The Florida River is a managed, perennial stream tributary to the Animas River. Surrounding floodplains, as a result, infrequently flood, unless as the result of a lower elevation, localized precipitation event. Lemon Reservoir is located roughly 20 miles upstream. Lemon reservoir is managed by the U.S. Bureau of Reclamation as a Colorado River Storage Project. The outflow from the reservoir on September 27, 2014, was 10 cubic feet per second. The Florida Water Conservancy District manages irrigation water deliveries from the reservoir. Irrigation return flows increase streamflow in the Florida River along its course and until its confluence with the Animas River.

Within the survey area, cattle have access to most all the river corridor, perhaps limiting establishment of woody riparian species, such as coyote willow. A few palustrine scrub shrub communities were identified, however. These were small, scattered communities of coyote willow and/or hawthorne (*Cratageus* spp).

Over 11.8 acres of palustrine emergent wetlands were mapped as wetlands west of the airport based on the color infrared imagery (Figures 4, 6, 7 & 8). Most wetlands have origin from the mesa top, as irrigation return flows and active ditches convey water from the mesa to the valley floor. Irrigation water is actively managed in ditches and laterals throughout this portion of the survey area. Approximately 1.1 miles of ditches were mapped west of the airport as part of this survey. Some ponds may be found throughout the valley floor, typically excavated areas fed by ditch laterals. Land uses on the valley floor include active agricultural (hay), animal husbandry (cows) and natural gas development.

Some palustrine emergent wetlands may be found adjacent to the Florida River. These are supported by a high groundwater table and often are found in abandoned oxbows or low river terraces (Photo 2). Pastures close to the river also receive supplemental irrigation return flows from flood irrigation of upper pastures.

#### 4.1.5 Tributary Drainage to Salt Creek

The unnamed tributary to Salt Creek east of the airport (Wetland F) collects a significant portion of irrigation return flows from the fallow pasture in the northeast corner of the survey area. One airport stormwater drain outlet contributes to the stream flow (Photo 3). The drainage in most sections support a defined and active (vegetated) channel approximately 2 feet wide by 6 inches deep, depending on location. The upper portion of the drainage is low-gradient (Photos 6 and 7). The gradient does increase the further south it travels. The drainage supports a palustrine emergent wetland community along its course. Approximately 2.61 acres were delineated as part of this mapping effort (Figures 3 & 5). Another 0.44 acre was classified as wetland using the NWI classification standard (Figure 9). Dominant hydrophytic vegetation near the active channel included cattails with intermittent and sparing communities of northwest territory sedge (*Carex utriculata*). Hydrophytic vegetation near the wetland boundary was typically dominated by bluejoint (*Calamagrostis canadensis*) and Canada thistle (*Cirsium arvense*). Hydric soil near the wetland boundary included a depleted matrix with low chroma and a soil matrix containing redoxymorphic features (WDDF 1F through 5f). Portions of the drainage support coyote willow, typically when the stream gradient increases and the flood-prone area decreases.

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Durango La Plata County Airport - Wetland and Waters of the U.S. Delineation Report
Appendix A: Wetland Delineation Maps and Figures

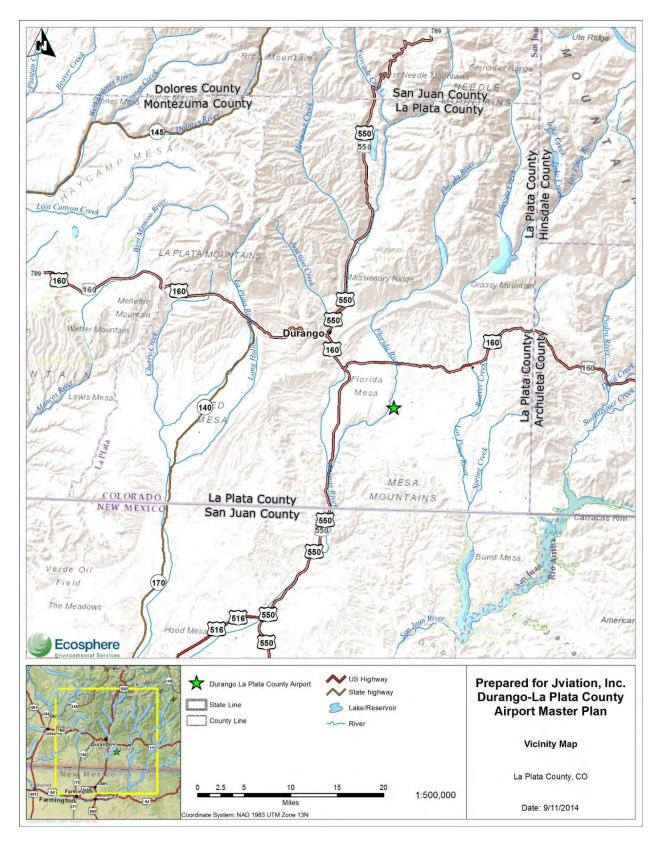
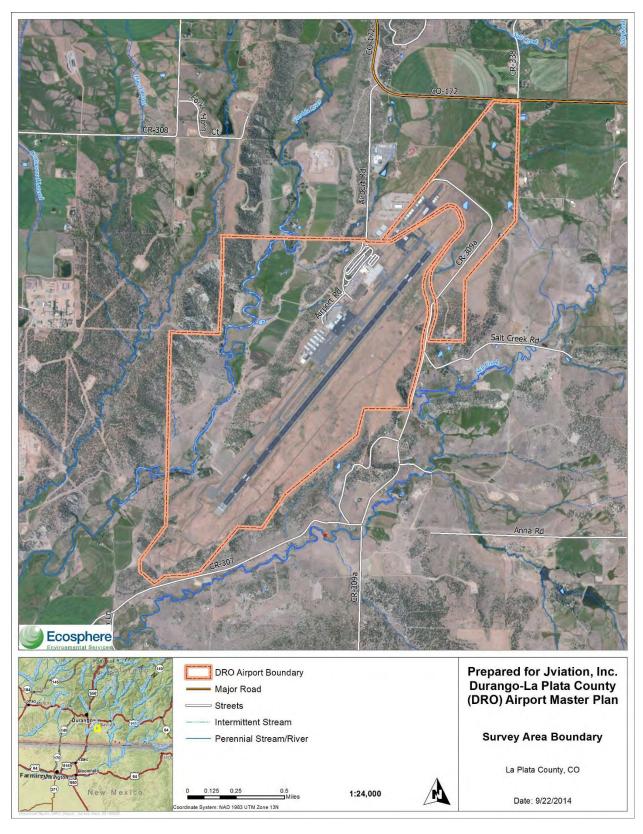


Figure 1. Vicinity Map of Durango-La Plata County Airport



**Figure 2. Survey Area Boundary** 

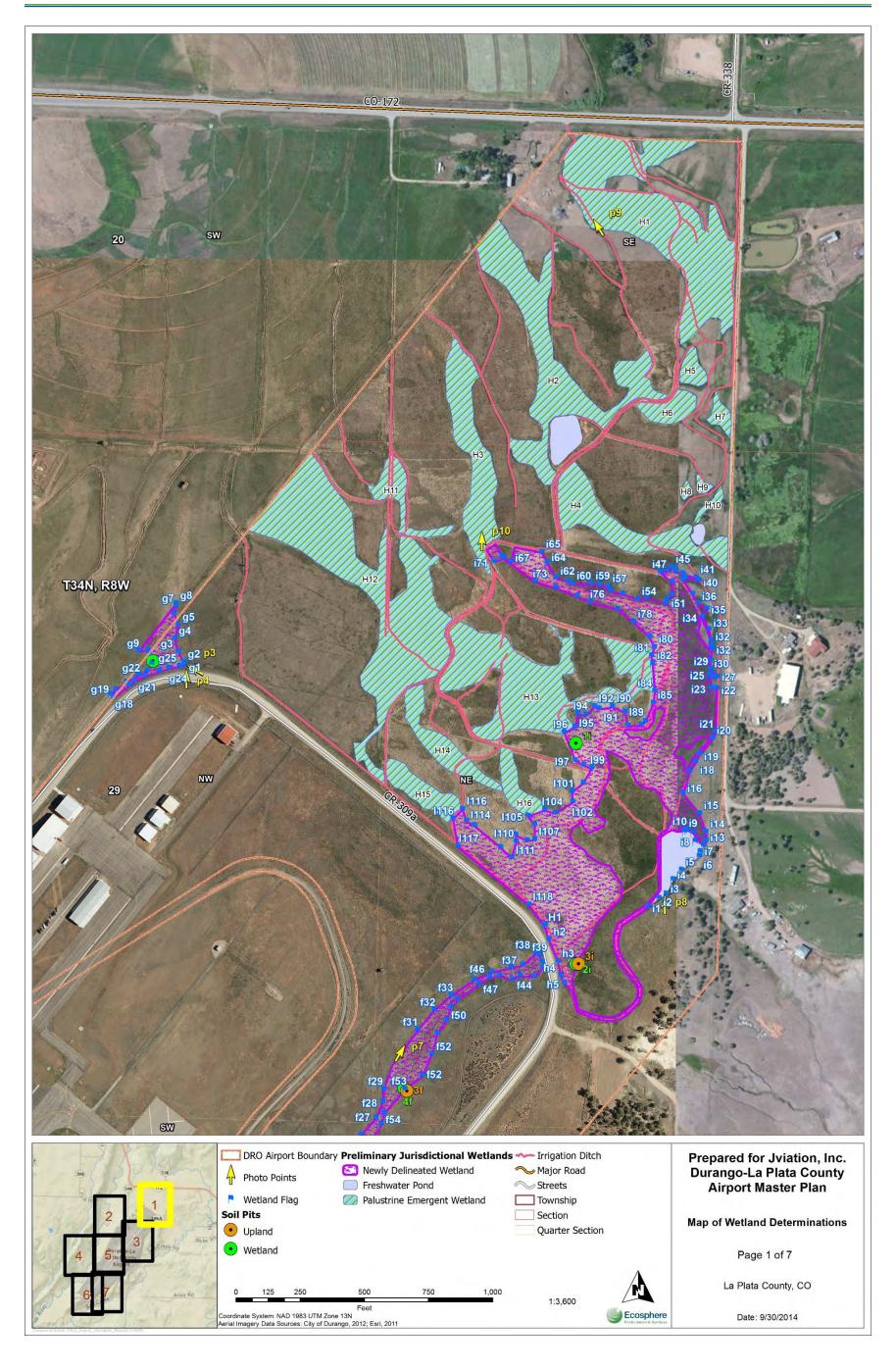


Figure 3. Wetland Determinations Map Book, page 1 of 7

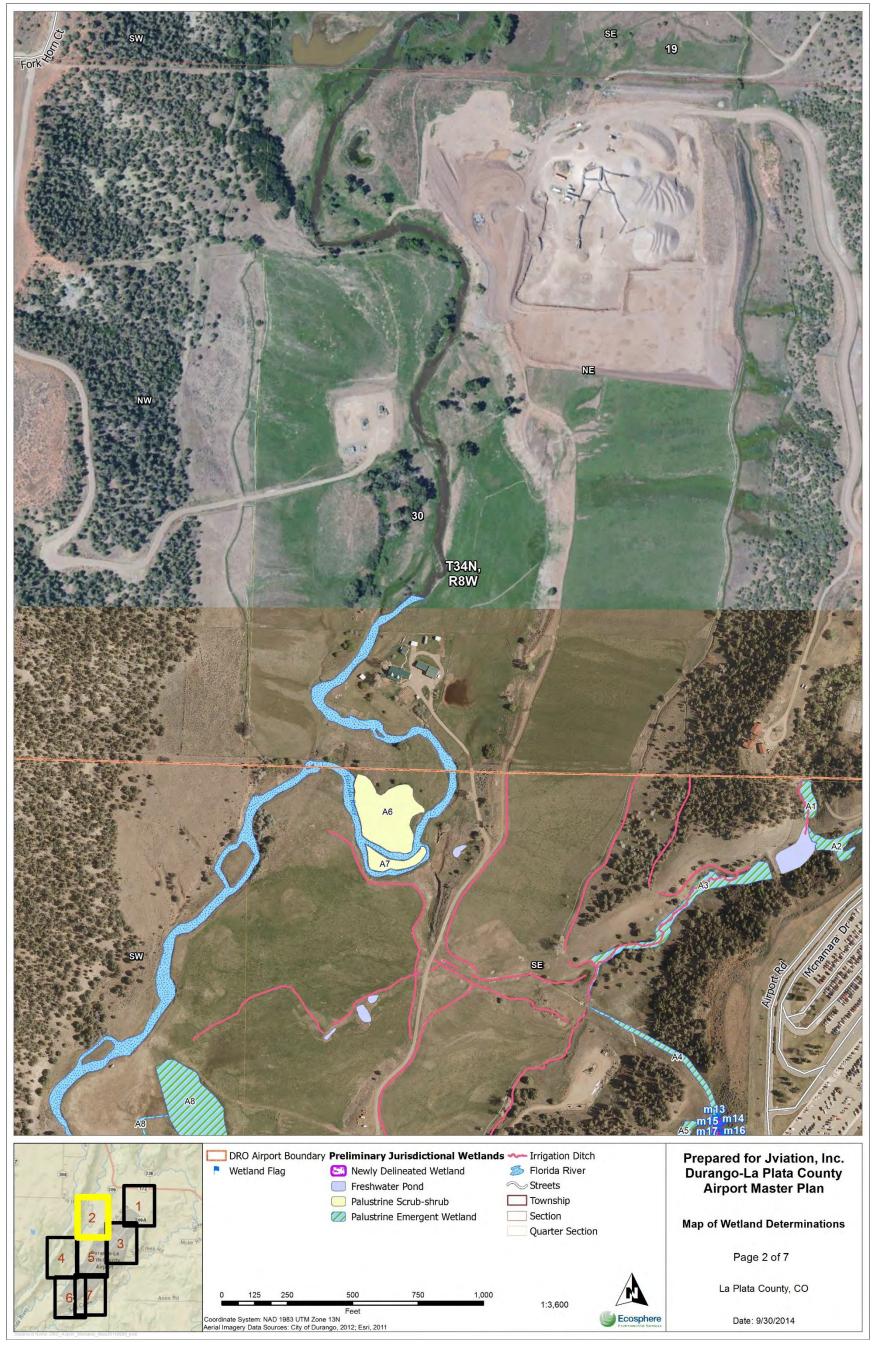


Figure 4. Wetland Determinations Map Book, page 2 of 7

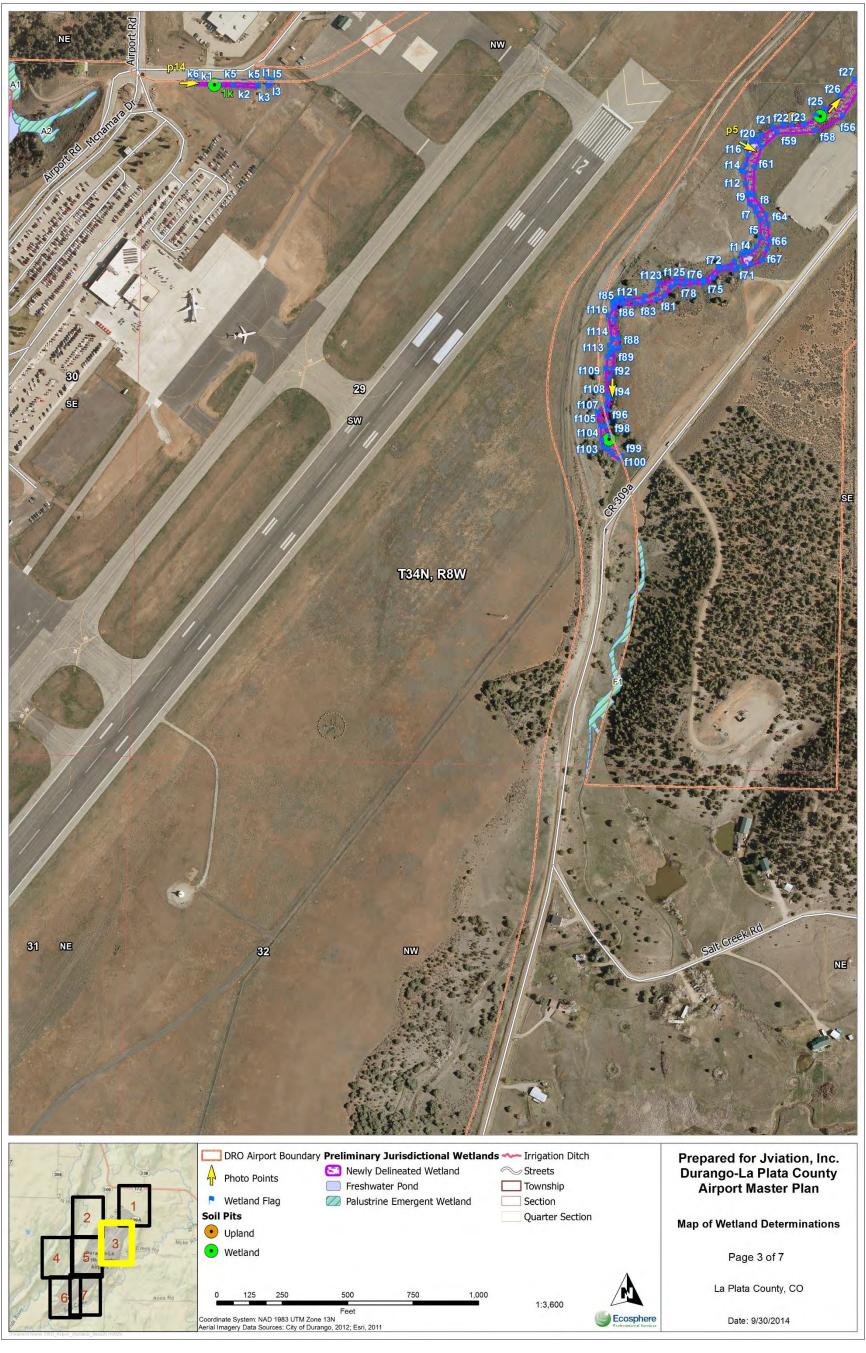


Figure 5. Wetland Determinations Map Book, page 3 of 7

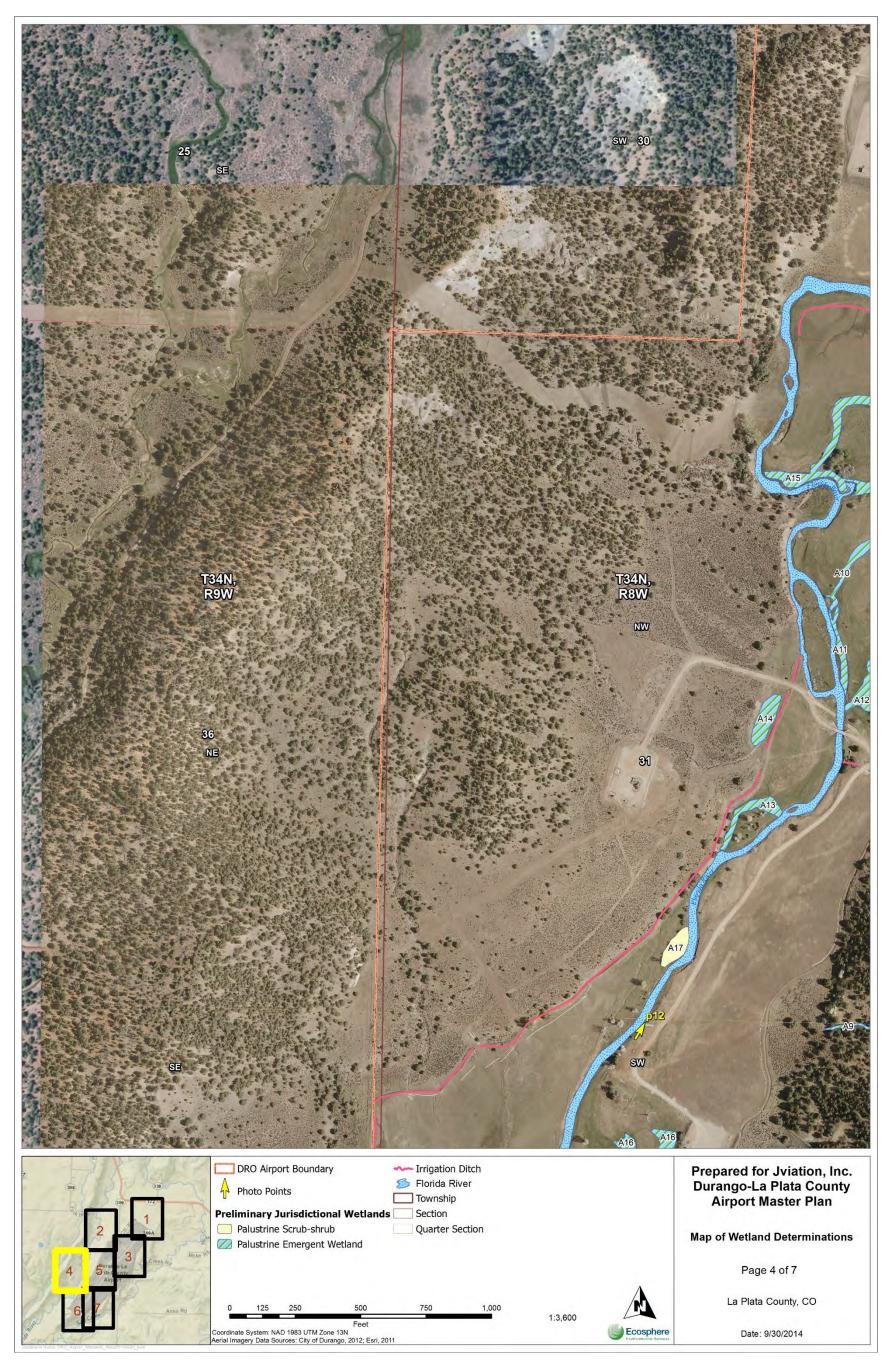


Figure 6. Wetland Determinations Map Book, page 4 of 7



Figure 7. Wetland Determinations Map Book, page 5 of 7

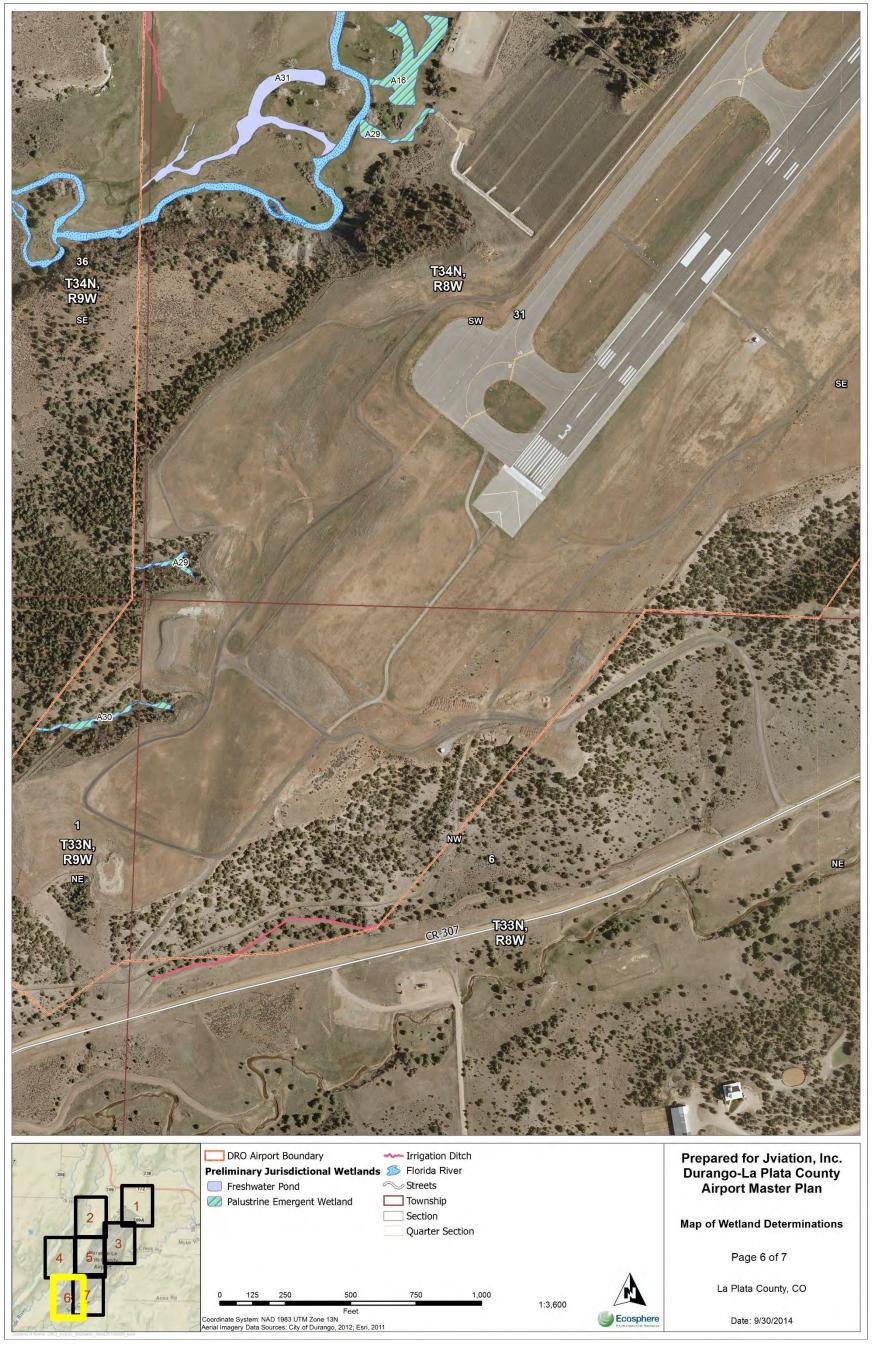


Figure 8. Wetland Determinations Map Book, page 6 of 7



Figure 9. Wetland Determinations Map Book, page 7 of 7

Durango La Plata County Airport - Wetland and Waters of the U.S. Delineation R	eport
Appendix B: Plant Speci	ies Observed

Scientific Name	Common Name	Family	Wetland Indicator Status <sup>1</sup>
	TREES		
Juniperus osteosperma	Utah juniper	Cupressaceae	NI
Pinus edulis	twoneedle pinyon	Pinaceae	NI
Populus fremontii	Fremont cottonwood	Salicaceae	FAC
Populus angustifolia	Narrowleaf cottonwood	Salicaceae	FACW
Ulmus pumila	Siberian elm	Ulmaceae	UPL
	SHRUBS		
Juniperus communis	common juniper	Cupressaceae	FACU
Ribes aureum	golden currant	Grossulariaceae	FAC
Rosa woodsii	Wood's rose	Rosaceae	FACU
Salix amygdaloides	peach-tree willow	Salicaceae	FACW
Salix exigua	narrowleaf willow	Salicaceae	FACW
	FORBS		
Agrostis gigantea	redtop	Poaceae	FACW
Asclepias speciosa	Showy milkweed	Asclepiadaceae	FAC
Cirsium arvense	Canada thistle	Asteraceae	FACU
Carduus nutans	Nodding plumeless thistle	Asteraceae	FACU
Convolvulus arvensis	bindweed	Convolvulaceae	NI
Cynoglossum officinale	Houndstongue	Boraginaceae	FACU
Epilobium ciliatum	Fringed willowherb	Onagraceae	FACW
Helianthus annuus	sunflower	Asteraceae	FACU
Hordeum jubatum	Foxtail barley	Poaceae	FAC
Lepidium spp.	pepperweed	Brassicaceae	UPL
Melilotus officinalis	sweet clover	Fabaceae	FACU
Plantago lanceolata	plantain	Plantaginaceae	FAC
Plantago major	common plantain	Plantaginaceae	FAC
Polygonum amphibium	Water smartweed	Polygonaceae	OBL
Rumex crispus	curly dock	Polygonaceae	FAC
Sagittaria cuneata	Arumleaf arrowhead	Alismataceae	OBL
Symphiotrichum lanceolatum	White panicle aster	Poaceae	OBL
Typha latifolia	broadleaf cattail	Typhaceae	OBL
Verbascum thapsus	great mullein	Scrophulariaceae	FACU

Scientific Name	Common Name	Family	Wetland Indicator Status <sup>1</sup>
Viola nephrophylla	northern bog violet	Violaceae	FACW
Xanthium strumarium	rough cocklebur	Asteraceae	FAC
	GRAMINOI	DS	
Alopecurus arundinaceus	Creeping meadow foxtail	Poaceae	FAC
Agrostis gigantea	Redtop	Poaceae	FACW
Bromus inermis	smooth brome	Poaceae	FACU
Calamagrostis canadensis	Bluejoint	Poaceae	FACW
Carex bebbii	Bebb's sedge	Cyperaceae	OBL
Carex interior	Inland sedge	Cyperaceae	OBL
Carex utriculata	Northwest territory sedge	Cyperaceae	OBL
Echinochloa crus-galli	Barnyard grass	Poaceae	FACW
Eleocharis palustris	common spikerush	Cyperaceae	OBL
Equisetum hyemale	scouringrush horsetail	Equisetaceae	FACW
Glyceria striata	Fowl mannagrass	Poaceae	OBL
Hordeum jubatum	foxtail barley	Poaceae	FAC
Juncus arcticus	Arctic rush	Juncaceae	FACW
Phleum pratense	timothy	Poaceae	FACU
Poa palustris	Fowl bluegrass	Poaceae	FAC
Poa pratensis	Kentucky bluegrass	Poaceae	FAC
Puccinellia nuttalliana	Nuttall's alkaligrass	Poaceae	FACW
Scirpus americanus	American threesquare	Cyperaceae	OBL
Scirpus tabernaemontani	softstem bulrush	Cyperaceae	OBL

<sup>1:</sup> OBL=obligate, FACW=facultative wetland, FAC=facultative, FACU=facultative upland, UPL-upland, NI= no indicator, NL=not listed

Durango La Plata County Airport	- Wetland and Waters of the U.S. Delineation Report
	Appendix C: Wetland Delineation Forms

	City/County: La Plata	Sampling Date: <u>08/27/2014</u>	
Applicant/Owner: La Plata County/City	of Durango State	:: CO Sampling Point: 1f	
nvestigator(s): Ryan Unterreiner	Section, Township, Range: Sec. 2	9, T34N, R82	
andform (hillslope, terrace, etc.): Drai	nageway Local relief (concave,	convex, none): concave Slope (%): 2	
Subregion (LRR): Interior Deserts (LRR)	D) Lat: 1.00000000 Long: 1	1.00000000 Datum: WGS84	
Soil Map Unit Name: Falfa Clay Loam, 3	3-8% NWI classification:		
Are climatic/hydrologic conditions on t	he site typical for this time of year	Yes (if no, explain in Remarks.)	
Are Vegetation X, Soil, or Hydrolog	gy significantly disturbed?	Are "Normal Circumstances" present? Yes	
Are Vegetation , Soil , or Hydrolog	gy naturally problematic?	(if needed, explain any answers in Remarks.)	
CUMMANDY OF FINIDINGS Attack	site map showing sampling poi	nt locations, transects, important features, etc.	
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes No		
Hydrophytic Vegetation Present?	Yes	Is the Sampled Area within a Wetland? No	
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? <u>No</u>	Yes No		

% Cover	Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species	
				<u>1</u> (A)
			Total Number of Dominant Species Across All Strata:	<u>2</u> (B)
			Percent of Dominant Species	4000
40	Yes	FACW	That Are OBL, FACW, or FAC:	<u>50</u> (A/B)
	-		Prevalence Index worksheet	
			OBL species <u>0</u> x1 =	-
<u>5</u> <u>20</u>	<u>No</u> Yes	FACU FACU	FAC species <u>0</u> x3 = FACU species <u>25</u> x4 =	0 100
			Dominance Test is >50%  X Prevalence Index is ≤ 3.0 <sup>1</sup> Morphological Adaptations (I)  supporting data in Remarks or on a Problematic Hydrophytic Vege  Indicators of hydric soil and wetla	Provide a separate sheet) station <sup>1</sup> (Explain) nd hydrology
				.5.
	<u>40</u> <u>5</u> <u>20</u>	40 Yes  5 No 20 Yes	40 Yes FACW  5 No FACU 20 Yes FACU	That Are OBL, FACW, or FAC:  Total Number of Dominant Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:  Prevalence Index worksheet  Total % Cover of: OBL species O x1 = FACW species O x3 = FACU species O x3 = FACU species O x5 = Column Totals: OBL species O

Wetlands data compiled using Electronic Data Solutions' Everglade''' wetland delineation software.

SOIL Sampling Point 1f Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) Color (moist) Depth Type1 Loc Texture Remarks (inches) 0-10 10YR 3/4 100 0 Loam 10-16 10YR 3/4 80 10YR 5/8 20 C M Loam Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Cocation: PL=Pore Lining, M=Matrix Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils3: Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) \_\_\_ Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) \_\_\_ 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) \_\_\_ Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) \_\_\_ Thick Dark Surface (A12) Redox Depressions (F8) Indicators of hydrophytic vegetation and \_\_\_ Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present, unless \_\_ Sandy Gleyed Matrix (S4) disturbed or problematic. Restrictive Layer (if present): Type: Hydric Soil Present? No Depth (inches): 0 Remarks: Falfa clay loam is partially hydric. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (two or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) Biotic Crust (B12) High Water Table (A2) Sediment Deposits (B2) (Riverine) Aquatic invertebrates (B13) Drift Deposits (B3) (Riverine) Saturation (A3) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Surface Soil Cracks (B6) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (87) Shallow Aquitard (D3) Other (Explain in Remarks) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Depth (inches): No Water Table Present? Depth (inches): No Saturation Present? Depth (inches): No (includes capillary fringe) Wetland Hydrology Present? No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: None Remarks; There is some surface runoff from the airport into this fan-like feature. Periodic flooding possible given geomorphic position (depressional).

Wetlands data compiled using Electronic Data Solutions' Everglade" wetland delineation software.

Project/Site: La Plata County Airport	City/County: La Plata	Sampling Date: <u>08/27/2014</u>
Applicant/Owner: La Plata County/City	of Durango State:	CO Sampling Point: 1g
Investigator(s): Ryan Unterreiner	Section, Township, Range: Sec.29,	T34N, R8W
Landform (hillslope, terrace, etc.): Depre	ssion Local relief (concave, co	onvex, none): concave Slope (%): 1
Subregion (LRR): Interior Deserts (LRR D	Lat: 1.00000000 Long: 1.0	00000000 Datum: WGS84
Soil Map Unit Name: Falfa clay loam, 3-8	NWI classification: PEM	
Are climatic/hydrologic conditions on th	e site typical for this time of year? _	Yes (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" present? Yes
Are Vegetation, Soil, or Hydrology	naturally problematic?	(if needed, explain any answers in Remarks.)
	an out the way a series of	ACTION AND TO SOLVE AND COMPANY AND COMPAN
		locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes	
Wetland Hydrology Present? Yes	Yes	
Wettana Hydrology Present: 102		Is the Sampled Area within a Wetland? Yes
Remarks: This is a depressional wetland	that collects and channels water in	nto a roadside ditch adjacent to CR 309a. Heavily influenced by irrigation return
flows.		

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 0 ) 1.	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:	<u>4</u> (A)
2. 3. 4. Total Cover = <u>0</u>				Total Number of Dominant Species Across All Strata:	<u>4</u> (B)
Sapling/Shrub Stratum (Plot size: 0 ) 1.				Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
2. 3. 4. 5. Total Cover = 0				Prevalence Index worksheet           Total % Cover of:         Multip           OBL species         20         x1 =           FACW species         20         x2 =	20
Herb Stratum (Plot size: 0 )  1. Hordeum jubatum  2. Rumex crispus  3. Poa pratensis  4. Alopecurus aegualis  5. Agrostis gigantea  6.  7.  8.  Total Cover = 100	20 10 30 20 20	Yes No Yes Yes Yes	FAC FAC FAC OBL FACW	FACW species 20 x 2 = FAC species 60 x 3 = FACU species 0 x 4 = UPL species 0 x 5 = Column Totals: 100 (A)  Prevalence Index = B/A = 2.40	40 180 0 0 2 240 (B)
Woody Vine Stratum (Plot size: 0 )  1. 2: Total Cover ≈ 0  % Bare Ground in Herb Stratum: 0 % Cover of Biotic Crust: 0				Hydrophytic Vegetation Indicators:  X Dominance Test is >50%  X Prevalence Index is ≤ 3.0°  X Morphological Adaptations¹ (Produced in Remarks or on a separate shorth problematic Hydrophytic Vegetation in the problematic Hydrophytic Vegetation in the present, unless disturbed or indicators of hydric soil and wetlan must be present, unless disturbed or indicators.	ovide supporting eet) ation <sup>1</sup> (Explain) d hydrology
Remarks: Cattails predominant in the middle of the we	4			Hydrophytic Vegetation Present? Y	'es

Wetlands data compiled using Electronic Data Solutions' Everglade<sup>11</sup> wetland delineation software.

-	Mati			Redox Fe	_	7 7 7	r -	12/10/10	
Depth	Color (moist)	%	Color (moist)	96	Type <sup>1</sup>	Loc3	Texture	Remarks	
(inches) 0-14	7.5YR 4/3	70	5YR 4/6	30	<u>c</u>	M	Clay Loam		
				-	2				
Type: C=	Concentration, D	Depletion,	RM=Reduced	Matrix, CS	=Covered o	or Coated	Sand Grains. 2L	ocation: PL=Pore Lining, M=Matrix	
Hydric So	il Indicators: (App	licable to a	II LRRs, unless	otherwise	noted.)			Indicators for Problematic Hydric Soils <sup>3</sup>	3:
Histo	sol (A1)			Sandy	Redox (S5)	1		1 cm Muck (A9) (LRR C)	
Histic	Epipedon (A2)			Strippe	d Matrix (S	66)		2 cm Muck (A10) (LRR B)	
	Histic (A3)			Loamy	Mucky Mit	neral (F1)		Reduced Vertic (F18)	
	ogen Sulfide (A4)				Gleyed Ma			X Red Parent Material (TF2)	
100	fied Layers (A5) (LI	RR C)			d Matrix (	and the same of		Other (Explain in Remarks)	
_	Muck (A9) (LRR D)				Dark Surfac				
7.10	eted Below Dark Su		1		d Dark Su				
	Dark Surface (A12				Depression			Indicators of hydrophytic vegetation a	nd
	Mucky Mineral (S	*	1.5		Pools (F9)	- 11		wetland hydrology must be present, un	
	Gleved Matrix (S		i i	_ value	2012 (1.2)			disturbed or problematic.	1600
	e Layer (if present	4						distarbed of problematics	
· ····································	e laver in present	1):							
Type:	e cayer (ii present	ŋ:							
Remarks:	inches): <u>0</u>	-8% is partia	ally hydric. Red	parent ma	aterial pred	dominant	in northeastern	Hydric Soil Present? <u>Yes</u> study area (fallow agricultural field). Redoxy	/mor
Depth (i Remarks: features e	inches): <u>0</u> Falfa clay loam, 3- evident up to soil s	-8% is partia	ally hydric. Red	parent ma	aterial pred	dominant	in northeastern		/mor
Depth (i Remarks: Features e	inches): <u>0</u> Falfa clay loam, 3- avident up to soil s D <b>GY</b>	8% is partia	illy hydric. Red	parent ma	aterial pred	dominant	in northeastern		/morj
Depth (i Remarks: Features of YDROLO Wetland I	inches): <u>0</u> Falfa clay loam, 3- evident up to soil s	-8% is partia ourface.	ALC ACC		, , , ,	dominant	in northeastern		
Depth (i Remarks: features e YDROLO Wetland I Primary Ir	inches): <u>0</u> Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicate	-8% is partia ourface.	quired; check a		lv)	dominant	in northeastern	study area (fallow agricultural field). Rédoxy	
Depth (i Remarks: features e YDROLO Wetland I Primary Ir X Surfac	inches): <u>0</u> Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicato	-8% is partia ourface.	quired; check a	ll that app	ly) 311)	dominant	in northeastern	study area (fallow agricultural field). Redoxy	
Depth (i Remarks: features e YDROLO Wetland I Primary Ir X Surfac High \	Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicator de Water (A1)	-8% is partia ourface.	quired; check a	II that app alt Crust (E otic Crust	ly) 311)		in northeastern	study area (fallow agricultural field). Redoxy  Secondary Indicators (two or more require  Water Marks (B1) (Riverine)	
Oppth (i Remarks: features e YDROLO Wetland I Primary Ir X Surfac High \ X Satura	inches): <u>0</u> Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicate Indicators (minimur Water (A1) Water Table (A2)	8% is partially urface.	quired; check a	II that app alt Crust (E otic Crust quatic Inve	lly) 311) (B12)	(B13)	in northeastern	Secondary Indicators (two or more require  Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)	
VDROLO Wetland I YDROLO Wetland I YSurfac High \ X Satura Water	Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicate dicators (minimur e Water (A1) Nater Table (A2)	8% is partially urface.	quired; check a	II that app alt Crust (E otic Crust quatic Invo	ly) 311) (B12) ertebrates ulfide Odo	(B13) r (C1)	in northeastern	Secondary Indicators (two or more require  Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)	
YDROLO Wetland I YS Surfac High \ X Satura Water Sedim	Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicate dicators (minimur e Water (A1) Nater Table (A2) stion (A3) r Marks (B1) (Nonr	8% is partially urface.  ors: m of one reliverine) (Nonriverine)	quired; check a	II that app of Crust (B otic Crust quatic Inve ydrogen S xidized Rh	ly) 311) (B12) ertebrates ulfide Odo	(B13) r (C1) s along Li		Secondary Indicators (two or more require  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)	
YDROLO  YDROLO  YDROLO  Wetland  Primary Ir  X Surfac  High \ X Satura  Water  Sedim  Drift E	Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicate ndicators (minimur we Water (A1) Water Table (A2) stion (A3) r Marks (B1) (Nonr nent Deposits (B2)	8% is partially urface.  ors: m of one reliverine) (Nonriverine)	quired; check aS	II that app alt Crust (B otic Crust quatic Inve ydrogen S xidized Rh esence of	ily) (B11) (B12) ertebrates ulfide Odo izospheres	(B13) r (C1) s along Lit ron (C4)	ring Roots (C3)	Secondary Indicators (two or more require  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  X Drainage Patterns (B10)  Dry-Season Water Table (C2)	rd)
YDROLO  YDROLO  YDROLO  Wetland I  Primary Ir  X Surfac  High I  X Satura  Water  Sedim  Drift I  Surfac	Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicate indicators (minimum ine Water (A1) Water Table (A2) ition (A3) ir Marks (B1) (Nonrient Deposits (B2) Deposits (B3) (Non	8% is partially urface.  Dors: In of one fer  (Nonriverine) (Nonriverine)	quired; check aSAHHPR	II that app alt Crust (E otic Crust quatic Invo ydrogen S xidized Rh esence of ecent Iron	lly) (B12) ertebrates ulfide Odo izospheres Reduced I	(B13) r (C1) s along Li ron (C4) in Tilled	ring Roots (C3)	Secondary Indicators (two or more require  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  X Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)	rd)
YDROLO  YDROLO  YDROLO  Wetland I  Primary Ir  X Surfac  High I  X Satura  Water  Sedim  Drift I  Surfac  Inund	Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicate dicators (minimur e Water (A1) Water Table (A2) etion (A3) r Marks (B1) (Nonr ent Deposits (B2) Deposits (B3) (Nonce Soil Cracks (B6)	8% is partially urface.  Dors: In of one reviverine) (Nonriverine) crial imager	quired; check a	II that app alt Crust (E otic Crust quatic Invo ydrogen S xidized Rh resence of ecent Iron hin Muck	lly) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction	(B13) r (C1) s along Li ron (C4) in Tilled	ring Roots (C3)	Secondary Indicators (two or more require  Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) X Saturation Visible on Aerial Imagery (C	rd)
YDROLO  YDROLO  Wetland  Primary Ir  X Surfac  High \ X Satura  Water  Sedim  Drift E  Surfac  Inund	Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicate dicators (minimum we Water (A1) Water Table (A2) stion (A3) r Marks (B1) (Nonr ient Deposits (B2) Deposits (B3) (Non De Soil Cracks (B6) ation Visible on Ae	8% is partially urface.  Dors: In of one reviverine) (Nonriverine) crial imager	quired; check a	II that app alt Crust (E otic Crust quatic Invo ydrogen S xidized Rh resence of ecent Iron hin Muck	lly) (B12) artebrates ulfide Odo izospheres Reduced I Reduction Surface (C	(B13) r (C1) s along Li ron (C4) in Tilled	ring Roots (C3)	Secondary Indicators (two or more require  Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C2) Shallow Aquitard (D3)	rd)
YDROLO Wetland I YS Surfac High \ X Satura Sedim Drift L Surfac Inund. Water	Falfa clay loam, 3- evident up to soil s  PGY Hydrology Indicate dicators (minimur we Water (A1) Water Table (A2) tition (A3) or Marks (B1) (Nonr tent Deposits (B2) Deposits (B3) (Non te Soil Cracks (B6) ation Visible on Ae r-Stained Leaves (Be ervations: Vater Present?	8% is partially urface.  ors: n of one re- (Nonriverine) (Nonriverine) crial imager (39)	quired; check aSBAH le)OPR y (B7)TO	Il that app obtic Crust (E otic Crust quatic Inve ydrogen S xidized Rh resence of ecent Iron hin Muck ther (Expla	lly) (B12) artebrates ulfide Odo izospheres Reduced I Reduction Surface (C	(B13) r (C1) s along Li ron (C4) in Tilled	ring Roots (C3)	Secondary Indicators (two or more require  Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C2) Shallow Aquitard (D3)	rd)
YDROLO Wetland I X Surfac High V X Satura Water Surfac Journal Water Surfac Water Water Water Surfac Water Water Water	Falfa clay loam, 3- evident up to soil s  OGY Hydrology Indicate Indicators (minimur Water (A1) Water Table (A2) Intion (A3) F Marks (B1) (Nonr Jenet Deposits (B3) Deposits (B3) (Non extra (B5) Altion Visible on Ae r-Stained Leaves (B ervations: Vater Present? Die Present?	8% is particulate.  ors: n of one reconstruction (Nonriverine) crial imager (19) Yes No	quired; check aS B A H O P R y (B7) T O Depth (inches; Depth (inches)	Il that app alt Crust (E otic Crust quatic Invey drogen Si xidized Rh esence of esent Iron hin Muck ther (Expla	lly) (B12) artebrates ulfide Odo izospheres Reduced I Reduction Surface (C	(B13) r (C1) s along Li ron (C4) in Tilled	ring Roots (C3)	Secondary Indicators (two or more require  Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C2) Shallow Aquitard (D3)	rd)
YDROLO Wetland I Primary Ir X Surfac High V X Satura Water Sedim Drift E Surfac Inund.	Falfa clay loam, 3- evident up to soil s  DGY Hydrology Indicator Indicators (minimur Water (A1) Water Table (A2) Ition (A3) Ir Marks (B1) (Non- Item (B6) (No	8% is particulate.  ors: n of one reconstruction (Nonriverine) crial imager (19) Yes No	quired; check aSBAH le)OPR y (B7)TO	Il that app alt Crust (E otic Crust quatic Invey drogen Si xidized Rh esence of esent Iron hin Muck ther (Expla	lly) (B12) artebrates ulfide Odo izospheres Reduced I Reduction Surface (C	(B13) r (C1) s along Li ron (C4) in Tilled	ring Roots (C3) Soils (C6)	Secondary Indicators (two or more require  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  X Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  X Saturation Visible on Aerial Imagery (C  Shallow Aquitard (D3)  FAC-Neutral Test (D5)	rd)
YDROLO  YDROLO  YDROLO  YPHIMARY IT  X Surfac  High V  X Satura  Sedim  Drift E  Surfac  Inund  Water  Field Obsessurface W  Water Tal  Saturation  Includes	Falfa clay loam, 3- evident up to soil s  DGY Hydrology Indicate hdicators (minimur he Water (A1) Water Table (A2) htton (A3) or Marks (B1) (Nonr hent Deposits (B3) (Non- hent Deposits (B3) (Non- hent Deposits (B6) ation Visible on Ae r-Stained Leaves (Be ervations: Vater Present? or Present? or Present? capillary fringe)	8% is partial urface.  ors: m of one rel (Nonriverine) (Nonriverine) erial imager (19)  Yes No Yes	quired; check a S S B A H H P (B7) Depth (inches) Depth (inches)	Il that app alt Crust (E otic Crust quatic Inve ydrogen Si xidized Rh esence of ecent Iron hin Muck ther (Expla	ily) (B12) ertebrates ulfide Odo izospheres Reduced i Reduction Surface (C' ain in Rem.	(B13) r (C1) s along Li ron (C4) in Tilled 7) arks)	ving Roots (C3) Soils (C6) Wetland Hy	Secondary Indicators (two or more require  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  X Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  X Saturation Visible on Aerial Imagery (Caster of the Caster of	rd)
YDROLO  YDROLO  YDROLO  YPHIMARY IT  X Surfac  High V  X Satura  Sedim  Drift E  Surfac  Inund  Water  Field Obsessurface W  Water Tal  Saturation  Includes	Falfa clay loam, 3- evident up to soil s  DGY Hydrology Indicator Indicators (minimur Water (A1) Water Table (A2) Ition (A3) Ir Marks (B1) (Non- Item (B6) (No	8% is partial urface.  ors: m of one rel (Nonriverine) (Nonriverine) erial imager (19)  Yes No Yes	quired; check a S S B A H H P (B7) Depth (inches) Depth (inches)	Il that app alt Crust (E otic Crust quatic Inve ydrogen Si xidized Rh esence of ecent Iron hin Muck ther (Expla	ily) (B12) ertebrates ulfide Odo izospheres Reduced i Reduction Surface (C' ain in Rem.	(B13) r (C1) s along Li ron (C4) in Tilled 7) arks)	ving Roots (C3) Soils (C6) Wetland Hy	Secondary Indicators (two or more require  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  X Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  X Saturation Visible on Aerial Imagery (Caster of the Caster of	rd)
YDROLO Wetland Primary Ir X Surfac High \ X Satura Sedim Drift L Surfac Inund Inund Surfac Inund Inund Surfac Inund Inund Surfac Inund Inu	Falfa clay loam, 3- evident up to soil s  Pogy Hydrology Indicate Indicators (minimur	8% is particulated.  Sors: In of one fermination of the fiverine of the fiveri	quired; check a S. B A A Hel P Q O P R y (B7) — T O Depth (inches) Depth (inches) Depth (inches)	Il that app alt Crust (E otic Crust quatic Inve ydrogen Si xidized Rh esence of ecent Iron hin Muck ther (Expla 5 5 9	ly) (B12) (B	(B13) r (C1) s along Lit ron (C4) in Tilled 7) arks)	Wetland Hypections), if avail	Secondary Indicators (two or more require  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  X Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)  FAC-Neutral Test (D5)	ed)
YDROLO Wetland YDROLO Y	Falfa clay loam, 3- evident up to soil s  DGY Hydrology Indicate Indicators (minimur Water (A1) Water Table (A2) Intion (A3) In Marks (B1) (Nonr International Comment Deposits (B2) Deposits (B3) (Non Dep	s% is particular and one reconstruction (Nonriverine) (Nonriverine) Yes No Yes earn gauge	quired; check a S.S. B.B. A.H. Ine)	Il that app alt Crust (E otic Crust quatic Inve ydrogen Si xidized Rh esence of ecent Iron hin Muck ther (Expla 6 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ly) (B12) (B	(B13) r (C1) s along Lit ron (C4) in Tilled 7) arks)	Wetland Hypections), if avail	Secondary Indicators (two or more require  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  X Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  X Saturation Visible on Aerial Imagery (Caster of the Caster of	ed)
YDROLO Wetland YDROLO Y	Falfa clay loam, 3- evident up to soil s  Pogy Hydrology Indicate Indicators (minimur	s% is particular and one reconstruction (Nonriverine) (Nonriverine) Yes No Yes earn gauge	quired; check a S.S. B.B. A.H. Ine)	Il that app alt Crust (E otic Crust quatic Inve ydrogen Si xidized Rh esence of ecent Iron hin Muck ther (Expla 6 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ly) (B12) (B	(B13) r (C1) s along Lit ron (C4) in Tilled 7) arks)	Wetland Hypections), if avail	Secondary Indicators (two or more require  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  X Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)  FAC-Neutral Test (D5)	ed)

Wetlands data compiled using Electronic Data Solutions' Everglade\* wetland delineation software.

roject/Site: La Plata County Airport	City/County: La Plata	Sampling Date: 09/25/2014	
pplicant/Owner: La Plata County/City of D	urango State: CC	Sampling Point: 11	
nvestigator(s): Ryan Unterreiner Se	ction, Township, Range: Sec. 29, T3	34N, R8W	
andform (hillslope, terrace, etc.): Drainage	way Local relief (concave, con	ivex, none): concave Slope (%): 1	
ubregion (LRR): Interior Deserts (LRR D)	Lat: 12.0000000 Long: 12.	00000000 Datum: WGS84	
oil Map Unit Name: Falfa clay loam, 3-8%	NWI classification: PEM	THE STATE OF THE S	
are climatic/hydrologic conditions on the sit	e typical for this time of year? Ye	es (if no, explain in Remarks.)	
re Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" present? Yes	
are Vegetation , Soil , or Hydrology	naturally problematic?	(if needed, explain any answers in Remarks.)	
Hydrophytic Vegetation Present? Ye Hydric Soil Present? Ye	<u>\$</u>	ocations, transects, important features, etc.	
Wetland Hydrology Present? Yes		single-control of the service of the	
		Is the Sampled Area within a Wetland? Yes	
Section 2015 Francisco			
Remarks:			

VEGETATION - Use scientific names of plants.

	1			
			That Are OBL, FACW, or FAC:  Total Number of Dominant  Species Across All Strata:	<u>2</u> (A) <u>2</u> (B)
- 1		-	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
			OBL species 28 x1 =	28
60 10 15 3 3	Yes No No Yes No	FAC OBL OBL OBL FACW	FACW species 3 x 2 = FAC species 60 x 3 = FACU species 0 x 4 = UPL species 0 x 5 = Column Totals: 91 (A)  Prevalence Index = B/A = 2.35	<u>5</u> <u>180</u> <u>9</u> <u>9</u> <u>214</u> (B)
			X Dominance Test is >50% X Prevalence Index is ≤ 3.0 <sup>1</sup> X Morphological Adaptations <sup>1</sup> (Prodata in Remarks or on a separate shipport Problematic Hydrophytic Vegetal Undicators of hydric soil and wetland	ovide supporting eet) ation <sup>I</sup> (Explain) d hydrology
			The state of the s	
			10 No OBL 15 No OBL 3 Yes OBL 3 No FACW	Percent of Dominant Species   That Are OBL, FACW, or FAC;     Prevalence Index worksheet     Total % Cover of:   Multip OBL species   28   x 1 = FACW species   3   x 2 = FACW species   3   x 2 = FACW species   3   x 2 = FACW species   50   x 3 = FACW species   50   x 4 = OBL   OB

Wetlands data compiled using Electronic Data Solutions' Everglade" wetland delineation software,

inches) <u>0-12</u>	Color (moist)	% Co	or (moist)	% Type1	Loc2	Texture		Remarks
0-12		- 48. 11.60	2	4				
- 1	7.5YR 4/2	80 7	.5YR 6/8	2 0	M	Clay Loam		
						1		
Type: C=	Concentration, D:	=Depletion, RM:	Reduced Matrix	, CS=Covered	or Coated	Sand Grains. <sup>2</sup> L	ocation: PL:	Pore Lining, M=Matrix
lydric Soi	il Indicators: (App	olicable to all LR	Rs. unless other	wise noted.)	15 7 5	ALC: A A REST. M.	Indicate	ors for Problematic Hydric Soils <sup>3</sup> :
	sol (A1)			ndy Redox (S5)	Y		_	m Muck (A9) (LRR C)
	Epipedon (A2)							m Muck (A10) (LRR B)
			-	pped Matrix (	Arthur March			
	Histic (A3)			imy Mucky Mi				duced Vertic (F18)
	gen Sulfide (A4)	02.0m		my Gleyed Ma			-	Parent Material (TF2)
	ied Layers (A5) (U			pleted Matrix			Oti	ner (Explain in Remarks)
	Muck (A9) (LRR D)			dox Dark Surfa				
2000	ted Below Dark Su	The state of the s	_	pleted Dark Su			-37	ALCOHOLD TO THE STATE OF THE ST
	Dark Surface (A12			dox Depression			1000	tors of hydrophytic vegetation and
Sandy	Mucky Mineral (S	S1)	Ve	mal Pools (F9)			wetlan	d hydrology must be present, unless
Sandy	Gleyed Matrix (S	4)					disturb	ed or problematic.
	e Layer (if present	t):						
Type:	nches): 0						Unalita	Soil Present? Yes
	Falfa clay loam, 3-						Hyunc	Soli Fresenti Tes
PDROLO	GY							
Vetland F	lydrology Indicate			C. a.s.			2.3 600.0	
Vetland F rimary In	lydrology Indicate dicators (minimur						1	Indicators (two or more required)
Vetland F rimary In Surfac	lydrology Indicate dicators (minimum e Water (A1)		Salt Cru	st (B11)			Wate	r Marks (B1) (Riverine)
Vetland H rimary In Surface High W	Hydrology Indicate dicators (minimur e Water (A1) Vater Table (A2)		Salt Cru Biotic C	st (B11) rust (B12)			Wate Sedin	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine)
Vetland Frimary In Surface High W X Saturat	Hydrology Indicate dicators (minimus e Water (A1) Vater Table (A2) tion (A3)	m of one require	Salt Cru Biotic C Aquatic	st (B11) rust (B12) invertebrates			Wate Sedin Drift	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine)
Vetland F rimary In Surface High W X Saturat Water	Hydrology Indicate dicators (minimus e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nons	m of one require	Salt CruBiotic CAquaticHydrog	st (B11) rust (B12) invertebrates en Sulfide Odo	r (C1)		Wate Sedin Drift Drain	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10)
Vetland H rimary In Surface High W X_Saturat Water Sedime	Hydrology Indicate dicators (minimus e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nons ent Deposits (B2)	m of one require riverine) (Nonriverine)	Salt CruBiotic CAquaticHydrogX_Oxidizer	st (B11) rust (B12) Invertebrates en Sulfide Odo I Rhizospheres	r (C1) along Liv	ing Roots (C3)	Wate Sedin Drift Drain Dry-S	r Marks (B1) (R <b>iverine</b> ) nent Deposits (B2) (R <b>iverine</b> ) Deposits (B3) ( <b>Riverine</b> ) age Patterns (B10) eason Water Table (C2)
Vetland H rimary In Surface High W X Saturat Water Sedime Drift D	hydrology Indicate dicators (minimus e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nons ent Deposits (B2) reposits (B3) (Nons	m of one require riverine) (Nonriverine) uriverine)	Salt CruBiotic CAquaticHydrogX OxidizerPresence	st (B11) rust (B12) invertebrates en Sulfide Odo I Rhizospheres e of Reduced	r (C1) along Liv Iron (C4)		Wate Sedin Drift Drain Dry-S Crayf	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) Ish Burrows (C8)
Vetland Hrimary InSurfaceHigh W X_SaturatWaterSedimeDrift DSurface	Hydrology Indicate dicators (minimus e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (None ent Deposits (B2) Peposits (B3) (None e Soil Cracks (B6)	m of one require riverine) (Nonriverine) uriverine)	Salt CruBiotic CAquaticHydrog _X_OxidizecPresencRecent	st (B11) rust (B12) Invertebrates en Sulfide Odo d Rhizospheres e of Reduced Iron Reduction	r (C1) along Liv Iron (C4) in Tilled		Wate Sedin Drift Drain Dry-S Crayfi Satur	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9)
Vetland Hrimary InSurfaceHigh W X_SaturatWaterSedimeDrift DSurface	hydrology Indicate dicators (minimus e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nons ent Deposits (B2) reposits (B3) (Nons	m of one require riverine) (Nonriverine) uriverine)	Salt CruBiotic CAquaticHydrog _X_OxidizecPresencRecent	st (B11) rust (B12) invertebrates en Sulfide Odo I Rhizospheres e of Reduced	r (C1) along Liv Iron (C4) in Tilled		Wate Sedin Drift Drain Dry-S Crayf Satur	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Vetland Hrimary In Surface High W X Saturat Water Sedime Drift D Surface Inunda	Hydrology Indicate dicators (minimus e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (None ent Deposits (B2) Peposits (B3) (None e Soil Cracks (B6)	m of one require riverine) (Nonriverine) uriverine)	Salt Cru Biotic C Aquatic Hydrog X Oxidizer Presend Recent	st (B11) rust (B12) Invertebrates en Sulfide Odo d Rhizospheres e of Reduced Iron Reduction	r (C1) along Liv Iron (C4) in Tilled ( 7)		Wate Sedin Drift Drain Dry-S Crayf Satur	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9)
Vetland H Irimary In Surface High W X Saturat Water Sedime Drift D Surface Inundae Water Water	Hydrology Indicated dicators (minimum of Water (A1) Vater Table (A2) Ition (A3) Marks (B1) (None of Deposits (B2) Peposits (B3) (None of Cracks (B6) Attion Visible on Ae-Stained Leaves (Experiences:	m of one require riverine) (Nonriverine) uriverine) erial Imagery (8)	Salt Cru Biotic C Aquatic Hydrog X Oxidized Presend Recent Thin M Other (	st (B11) rust (B12) Invertebrates en Sulfide Odo d Rhizospheres e of Reduced Iron Reduction uck Surface (C	r (C1) along Liv Iron (C4) in Tilled ( 7)		Wate Sedin Drift Drain Dry-S Crayf Satur	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Vetland H Irimary In Surface High W X Saturat Water Sedime Drift D Surface Inunda Water ield Obse	ydrology Indicated dicators (minimum e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (None ent Deposits (B2) deposits (B3) (None Soil Cracks (B6) etion Visible on Ae-Stained Leaves (Extractions: ater Present?	m of one require riverine) (Nonriverine) ariverine) erial imagery (6: 89)	Salt Cru Biotic C Aquatic Hydrog X Oxidized Presend Recent Thin M Other (i	st (B11) rust (B12) Invertebrates en Sulfide Odo d Rhizospheres e of Reduced Iron Reduction uck Surface (C	r (C1) along Liv Iron (C4) in Tilled ( 7)		Wate Sedin Drift Drain Dry-S Crayf Satur	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Vetland Frimary In Surface High W X Saturat Water Sedime Drift D Surface Inunda Water Ield Obse	ydrology Indicated dicators (minimus e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (None ent Deposits (B2) deposits (B3) (None Soil Cracks (B6) etion Visible on Ae-Stained Leaves (Expresent?	riverine) (Nonriverine) uriverine) erial Imagery (8:89) No Dep	Salt Cru Biotic C Aquatic Hydrog X Oxidizer Presenc Recent Thin M Other (i	st (B11) rust (B12) Invertebrates en Sulfide Odo d Rhizospheres e of Reduced Iron Reduction uck Surface (C	r (C1) along Liv Iron (C4) in Tilled ( 7)		Wate Sedin Drift Drain Dry-S Crayf Satur	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Vetland Frimary In Surface High W X Saturat Water Sedime Drift D Surface Inunda Water ield Obse urface W. Vater Tab	ydrology Indicated dicators (minimum e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (None ent Deposits (B2) eposits (B3) (None Soil Cracks (B6) etion Visible on Ae-Stained Leaves (Bervations: ater Present?	riverine) (Nonriverine) uriverine) erial Imagery (8:89) No Dep	Salt Cru Biotic C Aquatic Hydrog X Oxidized Presend Recent Thin M Other (i	st (B11) rust (B12) Invertebrates en Sulfide Odo d Rhizospheres e of Reduced Iron Reduction uck Surface (C	r (C1) along Liv Iron (C4) in Tilled ( 7)	Soils (C6)	Wate Sedin Drift Drain Dry-S Crayf Satur Shalle	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Vetland Frimary In Surface High W X Saturat Water Sedime Drift D Surface Inunda Water Tield Obse urface W. Vater Tab aturation includes of	ydrology Indicated dicators (minimus e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (None ent Deposits (B2) deposits (B3) (None Soil Cracks (B6) etion Visible on Ae-Stained Leaves (Expresent?	riverine) (Nonriverine) uriverine) erial Imagery (8: 89) No Dep No Dep Yes Dep	Salt Cru Biotic C Aquatic Hydrog X Oxidizer Presenc Recent Thin M Other (inches): th (inches):	st (B11) rust (B12) Invertebrates en Sulfide Odo Rhizospheres e of Reduced Iron Reduction uck Surface (C	or (C1) along Liv liron (C4) in Tilled 7) arks)	Soils (C6)  Wetland Hyd	Wate Sedin Drift Drain Dry-S Crayf Satur Shalk FAC-f	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Vetland Frimary In Surface High W X Saturat Water Sedime Drift D Surface Inunda Water Tield Obse urface W. Vater Tab aturation includes of	ydrology Indicated dicators (minimus e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (None ent Deposits (B2) eposits (B3) (None Soil Cracks (B6) etion Visible on Ae-Stained Leaves (Expresent? ele Present? expellary fringe)	riverine) (Nonriverine) uriverine) erial Imagery (8: 89) No Dep No Dep Yes Dep	Salt Cru Biotic C Aquatic Hydrog X Oxidizer Presenc Recent Thin M Other (inches): th (inches):	st (B11) rust (B12) Invertebrates en Sulfide Odo Rhizospheres e of Reduced Iron Reduction uck Surface (C	or (C1) along Liv liron (C4) an in Tilled brins	Soils (C6)  Wetland Hyd	Wate Sedin Drift Drain Dry-S Crayf Satur Shalk FAC-f	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Vetland Frimary In Surface High W X Saturat Water Sedime Drift D Surface inunda Water ield Obse urface W Vater Tab aturation includes c Describe R	ydrology Indicated dicators (minimus e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (None ent Deposits (B2) eposits (B3) (None Soil Cracks (B6) etion Visible on Ae-Stained Leaves (Expresent? ele Present? expellary fringe)	riverine) (Nonriverine) ariverine) erial imagery (6: 89)  No Dep No Dep Yes Dep	Salt CruBiotic CAquaticHydrogX_OxidizerRecentThin MOther (i th (inches): th (inches): th (inches): 10 mitoring well, ae	st (B11) rust (B12) Invertebrates en Sulfide Odo Rhizospheres e of Reduced Iron Reductior uck Surface (C Explain in Rem	or (C1) along Liv liron (C4) an in Tilled brins	Soils (C6)  Wetland Hyd	Wate Sedin Drift Drain Dry-S Crayf Satur Shalk FAC-f	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
Vetland Frimary In Surface High W X Saturat Water Sedime Drift D Surface inunda Water ield Obse urface W Vater Tab aturation includes c Describe R	ydrology Indicated dicators (minimum e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (None ent Deposits (B2) deposits (B3) (None Soil Cracks (B6) etion Visible on Ae-Stained Leaves (Extrations: ater Present? de Present? Present? expillary fringe) decorded Data (street	riverine) (Nonriverine) ariverine) erial imagery (6: 89)  No Dep No Dep Yes Dep	Salt CruBiotic CAquaticHydrogX_OxidizerRecentThin MOther (i th (inches): th (inches): th (inches): 10 mitoring well, ae	st (B11) rust (B12) Invertebrates en Sulfide Odo Rhizospheres e of Reduced Iron Reductior uck Surface (C Explain in Rem	or (C1) along Liv liron (C4) an in Tilled brins	Soils (C6)  Wetland Hyd	Wate Sedin Drift Drain Dry-S Crayf Satur Shalk FAC-f	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)

 $We tlands\ data\ compiled\ using\ Electronic\ Data\ Solutions'\ Everglade^{m}\ we tland\ delineation\ software.$ 

Applicant/Owner: La Plata County/City of Durango State: CO Sampling Point: 1k  Investigator(s): Ryan Unterreiner Section, Township, Range: Sec. 29, T34N, R8W  Landform (hillslope, terrace, etc.): Channel Local relief (concave, convex, none): concave Slope (%): 2  Subregion (LRR): Interior Deserts (LRR D) Lat: 11.00000000 Long: 11.00000000 Datum: WGS84  Soil Map Unit Name: Falfa clay loam, 3-8% NWI classification: R2SB7x  Are climatic/hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.)  Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes  Are Vegetation, Soil, or Hydrology naturally problematic? (if needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes  Hydric Soil Present? Yes  Wetland Hydrology Present? Yes  Is the Sampled Area within a Wetland? Yes  Remarks: Uniform, linear excavated channel adjacent to CR 309a conveying irrigation return flows to the Florida River valley floor.	Project/Site: La Plata County Airport	City/County: La Plata	Sampling Date: <u>09/25/2014</u>	
Landform (hillslope, terrace, etc.): Channel Subregion (LRR): Interior Deserts (LRR D) Lat: 11,0000000 Long: 11,0000000 Datum: WGS84  NWI classification: R2SB7x  Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)  Are Vegetation, Soil, or Hydrology significantly disturbed?	Applicant/Owner: La Plata County/City	y of Durango State: Co	Sampling Point: 1k	
Subregion (LRR): Interior Deserts (LRR D)  Lat: 11.0000000 Long: 11.0000000 Datum: WGS84  NWI classification: R2SB7x  Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)  Are Vegetation, Soil, or Hydrology significantly disturbed?	nvestigator(s): Rvan Unterreiner	Section, Township, Range: Sec.29, T.	34N, R8W	
Soil Map Unit Name: Falfa clay loam, 3-8% NWI classification: R2SB7x  Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)  Are Vegetation, Soil, or Hydrology significantly disturbed?	Landform (hillslope, terrace, etc.): Cha-	nnel Local relief (concave, cor	nvex, none): concave Slope (%): 2	
Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)  Are Vegetation, Soil, or Hydrology significantly disturbed?	Subregion (LRR): Interior Deserts (LRR	D) Lat: 11.00000000 Long: 11.	.00000000 Datum: WGS84	
Are Vegetation, Soil, or Hydrology significantly disturbed?	Soil Map Unit Name: Falfa clay loam, 3	-8% NWI classification: R2SB7x		
Are Vegetation, Soil, or Hydrology naturally problematic? (if needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present?	Are climatic/hydrologic conditions on t	the site typical for this time of year? <u>Y</u>	es (if no, explain in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes  Is the Sampled Area within a Wetland? Yes	Are Vegetation, Soil, or Hydrolo	gy significantly disturbed?	Are "Normal Circumstances" present? Yes	
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes  Is the Sampled Area within a Wetland? Yes	Are Vegetation, Soil, or Hydrolo	gy naturally problematic?	(if needed, explain any answers in Remarks.)	
Remarks: Uniform, linear excavated channel adjacent to CR 309a conveying irrigation return flows to the Florida River valley floor.				
・ 日本の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の	Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes	Yes Yes	Is the Sampled Area within a Wetland? Yes	
	Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes	Yes Yes	Is the Sampled Area within a Wetland? Yes	
	Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes	Yes Yes	Is the Sampled Area within a Wetland? Yes	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 0 )  1. Populus angustifolia  2.  3.  4.  Total Cover = 5	Absolute % Cover 5	Dominant Species? Yes	Indicator Status <u>FACW</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species	4(A) 4 (B)
<u>Sapling/Shrub Stratum</u> (Plot size: <u>0</u> )  1. <u>Salix exigua</u> 2.  3.  4,  5.  Total Cover = <u>10</u>	<u>10</u>	Yes	<u>FACW</u>	That Are OBL, FACW, or FAC:  Prevalence Index worksheet	The state of the s
Herb Stratum (Plot size: 0 )  1. Typha latifolia  2. Juncus balticus  3. symphiotrychum lanceolatum  4. Asclepias incarnata  5.  6.  7.  8.  Total Cover = 95	70 10 5 10	Yes No No Yes	OBL FACW OBL OBL	FAC species 0 x3 = FACU species 0 x4 = UPL species 0 x5 = Column Totals: 110 (A)  Prevalence Index = B/A = 1.23	= <u>0</u> = <u>0</u>
Woody Vine Stratum (Plot size: 0 )  1. 2. Total Cover ≈ 0  % Bare Ground in Herb Stratum: 0  % Cover of Biotic Crust: 0				Hydrophytic Vegetation Indicator X Dominance Test is >50% X. Prevalence Index is ≤ 3.0° X. Morphological Adaptations¹ (if data in Remarks or on a separate separate Hydrophytic Vegetindicators of hydric soil and wetlamust be present, unless disturbed	Provide supporting sheet) etation <sup>1</sup> (Explain) and hydrology
Remarks: Abrupt transition to upland with steep, 2:1:				Hydrophytic Vegetation Present?	Yes

Wetlands data compiled using Electronic Data Solutions' Everglade\*\* wetland delineation software.

Depth	Matrix			Features				Car .
nches)	Color (moist)	% Colo	r (moist)	Type	Loc	Texture		Remarks
Type: C	=Concentration, D=De	epletion, RM=I	Reduced Matrix,	CS=Covered (	or Coated	Sand Grains L	ocation; PL=	Pore Lining, M=Matrix
lydric Sc	oil Indicators: (Applica	able to all LRR	s, unless otherw	ise noted.)			Indicato	ors for Problematic Hydric Soils <sup>3</sup> :
Histi Black Hydro Strati 1 cm Deple Thick	osol (A1) c Epipedon (A2) : Histic (A3) ogen Sulfide (A4) ified Layers (A5) (LRR D) eted Below Dark Surfa : Dark Surface (A12) y Mucky Mineral (S1) y Gleyed Matrix (S4)	ace (A11)	Strip Loan Loan Depl Redo Depl Redo	ly Redox (S5) ped Matrix (S ny Mucky Mii ny Gleyed Ma eted Matrix ( x Dark Surfac eted Dark Su x Depression al Pools (F9)	66) heral (F1) htrix (F2) F3) de (F6) hface (F7)		2 ci Rec Rec X Oth	m Muck (A9) (LRR C) m Muck (A10) (LRR B) fuced Vertic (F18) d Parent Material (TF2) er (Explain in Remarks)  tors of hydrophytic vegetation and d hydrology must be present, unless ed or problematic.
Restriction Type:	ve Layer (if present):							
Depth (	inches): <u>0</u> : No soil pit, riverine v	wetland. Hydri	c soil assumed, o	r developing.			Hydric	Soil Present? <u>Yes</u>
Depth (Remarks:	No soil pit, riverine w		c soil assumed, o	r developing.			Hydric	Soil Present? <u>Yes</u>
Depth ( Remarks:  YDROLO  Vetland  Vrimary for	: No soil pit, riverine w  OGY  Hydrology Indicators: ndicators (minimum o		l; check all that a	pply)			Secondary	Indicators (two or more required)
YDROLO Vetland Yrimary II X Surfac Wate Sedim Drift I Surfac Inund	DGY Hydrology Indicators: Indicators (minimum of the Water (A1) Water Table (A2) Indicators (B1) (Nonrive of the Water (B3)) In Marks (B1) (Nonrive of the Water (B3)) Deposits (B3) (Nonrive of the Water (B4)) Deposits (B4) (B6) Deposits (B6) Deposits (B6) Deposits (B6)	: of one required erine) onriverine) erine)	d; check all that a Saft Crust Biotic Cru Aquatic li Hydroger Oxidized Presence Recent In Thin Mu	pply) (811) st (812) overtebrates Sulfide Odo	(B13) r (C1) s along Liv ron (C4) in Tilled	ing Roots (C3) Soils (C6)	Secondary Water Sedim Drift I X Draina Dry-Se Crayfi Satura	
DROLO etland imary fi Surfac High Satura Wate Sedim Inund Wate eld Obs	DGY Hydrology Indicators: ndicators (minimum of the Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive thent Deposits (B2) (No Deposits (B3) (Nonrive to Soil Cracks (B6) lation Visible on Aeria r-Stained Leaves (B9) ervations: Vater Present?  Note No soil Cracks (B6)	erine) conriverine) derine) derine) derine) derine) derine) derine) derine)	d; check all that a Saft Crust Biotic Cru Aquatic li Hydroger Oxidized Presence Recent In Thin Mu	pply) (811) st (812) nvertebrates sulfide Odo Rhizospheres of Reduced i on Reduction	(B13) r (C1) s along Liv ron (C4) in Tilled		Secondary Water Sedim Drift I X Draina Dry-Se Crayfi Satura	Indicators (two or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) nge Patterns (B10) neason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) nw Aquitard (D3)
YDROLO Vetland	DGY Hydrology Indicators: ndicators (minimum of the Water (A1) Water Table (A2) ation (A3) r Marks (B1) (Nonrive thent Deposits (B2) (No Deposits (B3) (Nonrive to Soil Cracks (B6) lation Visible on Aeria r-Stained Leaves (B9) ervations: Vater Present?  Note No soil Cracks (B6)	erine) consiverine) erine) al Imagery (B7) (es Depti	d; check all that a Saft Crust Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Thin Mu Other (Ex	pply) (B11) st (B12) evertebrates Sulfide Odo Rhizospheres of Reduced on Reduction ck Surface (C	(B13) r (C1) ; along Liv ron (C4) in Tilled 7) arks)	Soils (C6)  Wetland Hy	Secondary Wate: Sedim Drift L X Draina Dry-Se Crayfi Sature Shallo FAC-N	Indicators (two or more required) Marks (B1) (Riverine) Ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Marks (B10) Mar

Arid West Region

Wetlands data compiled using Electronic Data Solutions' Everglade" wetland delineation software.

Project/Site: La Plata County Airport	City/County: La Plata	Sampling E	Date: 09/25/2014
Applicant/Owner: La Plata County/City of Dur	ango State: C	<u>o</u> s	Sampling Point: 1m
Investigator(s): Ryan Unterreiner Section	on, Township, Range: <u>Sec.30, 1</u>	34N, R8W	
Landform (hillslope, terrace, etc.): Depression	Local relief (concave, co	nvex, none): concave	Slope (%): 1
Subregion (LRR): Interior Deserts (LRR D)	Lat: 10.00000000 Long: 10	.00000000 Datum: W	G\$84
Soil Map Unit Name: Falfa clay loam, 3-8%	NWI classification: PEM		
Are climatic/hydrologic conditions on the site	typical for this time of year? _	es (if no, expl	ain in Remarks.)
Are Vegetation, Soil, or Hydrology si	gnificantly disturbed?	Are "Normal Circums	stances" present? Yes
Are Vegetation, Soil, or Hydrology no	aturally problematic?	(if needed, explain a	ny answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes
Hydric Soil Present? Yes
Wetland Hydrology Present? Yes

Is the Sampled Area within a Wetland? Yes

Remarks: This is a man-made, stormwater detention basin with a controlled outlet. Area recieves stormwater runoff from airport facilities, including parking areas, runways, commercial and private aviation facilities. Abrupt transition to upland with steep sideslopes.

VEGETATION - Use scientific names of plants.

<u>Tree Stratum</u> (Plot size: <u>0</u> )  1.  2.  3,  4.  Total Cover = <u>0</u>	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata:	2(A) 2 (B)
Sapling/Shrub Stratum (Plot size: 0 )  1. Salix exigua	10	Yes	FACW	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
2. 3. 4. 5. Total Cover = <u>10</u>				Prevalence Index worksheet           Total % Cover of:         Multip           OBL species         80         x1 =           FACW species         30         x2 =	ly by: 80 60
Herb Stratum (Plot size: 0 )  1. Typha latifolia  2. Agrostis gigantea  3. Glyceria striata  4. Juncus balticus  5.  6.  7.  8.  Total Cover = 100	70 15 10 5	Yes No No No	OBL FACW OBL FACW	FAC species <u>0</u> x3 = FACU species <u>0</u> x4 = UPL species <u>0</u> x5 = Column Totals: <u>110</u> (A)  Prevalence Index = B/A = <u>1.27</u>	0 0 0 0 140 (B)
Woody Vine Stratum (Plot size: 0 )  1. 2. Total Cover = 0  % Bare Ground in Herb Stratum: 0  % Cover of Biotic Crust: 0				Hydrophytic Vegetation Indicators:  X Dominance Test is >50%  X Prevalence Index is ≤ 3.0¹  X Morphological Adaptations¹ (Product in Remarks or on a separate she Problematic Hydrophytic Vegetation)  Indicators of hydric soil and wetland must be present, unless disturbed or	eet) ation <sup>1</sup> (Explain) d hydrology
Remarks: Abrupt transition to upland species, including				Hydrophytic Vegetation Present? Y	es

Wetlands data compiled using Electronic Data Solutions' Everglade<sup>10</sup> wetland delineation software.

	cription: (Describe Mat	rix		Redox Fe	T				
Depth	Color (moist)	%	Color (moist)	%	Type1	Loc2	Texture	F	emarks
inches) 12	7.5YR4/3	80	5YR4/6	20		M	Clay Loam		
46	7.511.4/3	50	311490	20	€.	<u>.w</u>	CIAV EGAIN		
					1				
Type: C	Concentration, D	=Depletion,	RM=Reduced	Matrix, CS	-Covered o	r Coated	Sand Grains1	ocation: PL=Po	re Lining, M=Matrix
lydric So	il Indicators: (App	licable to al	ll LRRs, unless	otherwise	noted.)			Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histo	isol (A1)			Sandy	Redox (S5)			1 cm	Muck (A9) (LRR C)
Histie	Epipedon (A2)			Strippe	d Matrix (S	(6)		2 cm	Muck (A10) (LRRB)
Black	Histic (A3)			X Loamy	Mucky Min	eral (F1)		Reduc	ced Vertic (F18)
	gen Sulfide (A4)				Gleyed Ma	Harris Agency		1 TO THE R. P. LEWIS CO., LANSING, MICH.	arent Material (TF2)
	fied Layers (A5) (LI	RR C)			d Matrix (			1 1 1 1 1 1 1	(Explain in Remarks)
_	Muck (A9) (LRR D)	2.4			Dark Surfac	100			A TOTAL STREET
	ted Below Dark Su				d Dark Su				
100	Dark Surface (A12			- V	Depression	7-2-1		Indicator	s of hydrophytic vegetation and
	Mucky Mineral (S	3.0	1		Pools (F9)				ydrology must be present, unless
	Gleyed Matrix (S			asiligi	3912 (13)			100000000000000000000000000000000000000	or problematic.
	e Laver (if present		-						to season seems
Type:	and an expension	0.42							
and the second second	inches): 0							the state of the s	
								Hydric So	il Present? <u>Yes</u>
Remarks:	GY							Hydric So	il Present? <u>Yes</u>
Remarks: YDROLO Wetland	o <b>GY</b> Hydrology Indicate		al Grand, Abanel		(A)				
YDROLO Vetland	OGY Hydrology Indicate Indicators (minimum							Secondary In	dicators (two or more required)
YDROLO Wetland	OGY Hydrology Indicate dicators (minimus e Water (A1)		s	alt Crust (E	11)			Secondary In	dicators (two or more required) Marks (B1) (Riverine)
YDROLO  Wetland    Primary Ir  X Surfac  High \( \)	OGY Hydrology Indicate dicators (minimus e Water (A1) Water Table (A2)		s	alt Crust (E liotic Crust	(B12)	(cra)		Secondary inWater N	dicators (two or more required) Parks (B1) (Riverine) It Deposits (B2) (Riverine)
YDROLO Wetland I X Surfac High \ X Satura	Hydrology Indicate dicators (minimus e Water (A1) Water Table (A2) tion (A3)	m of one rec	s	alt Crust (E liotic Crust Iquatic Inve	(B12) ertebrates			Secondary in Water N Sedimer Drift De	dicators (two or more required) farks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine)
YDROLO Wetland I X Surfac High \ X Satura Water	PGY Hydrology Indicate Indicators (minimur e Water (A1) Water Table (A2) Ition (A3) Ir Marks (B1) (None	m of one rec	S	alt Crust (E liotic Crust Iquatic Inve Iydrogen S	(B12) ertebrates ulfide Odo	(C1)	And Posite (CO)	Secondary In  Water N  Sedimer  Drift De	dicators (two or more required) Marks (B1) (Riverine) It Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10)
YDROLO Wetland I X Surfac High I X Satura Water	Hydrology Indicate Indicators (minimur e Water (A1) Water Table (A2) Ition (A3) Ir Marks (B1) (Nonr Ient Deposits (B2)	m of one rec riverine) (Nonriverin	S E A P	alt Crust (E liotic Crust Iquatic Inve Iydrogen S Oxidized Rh	(11) (B12) ertebrates ulfide Odo izospheres	r (C1) along Liv	ving Roots (C3)	Secondary in  Water M Sedimer Drift De Drainage	dicators (two or more required) flarks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2)
YDROLO Wetland Primary Ir X Surfac High \ X Satura Water Sedim Orift E	Hydrology Indicate dicators (minimus e Water (A1) Water Table (A2) tion (A3) r Marks (B1) (Nons ent Deposits (B2) Deposits (B3) (Non	m of one rec riverine) (Nonriverin	S B P	alt Crust (E liotic Crust (quatic Inve (ydrogen S Oxidized Rh (resence of	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I	r (C1) along Liv ron (C4)		Secondary In  Water N  Sedimer  Drift De  Drainage  Dry-Seae  Crayfish	dicators (two or more required) Marks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8)
YDROLO Wetland I Yoffac High V X Satura Watei Sedim Orift I Surfac	Hydrology Indicate dicators (minimum e Water (A1) Water Table (A2) tion (A3) r Marks (B1) (None ent Deposits (B2) Deposits (B3) (None se Soil Cracks (B6)	m of one rec riverine) (Nonriverin riverine)	S A F F	alt Crust (E liotic Crust quatic Invo (ydrogen S Oxidized Rh Presence of Jecent Iron	(B12) ertebrates ulfide Odo izospheres Reduced I Reduction	r (C1) along Liv ron (C4) in Tilled		Secondary In  Water N  Sedimer  Drift De  Drainage  Dry-Seas  Crayfish  Saturati	dicators (two or more required) Marks (B1) (Riverine) It Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9)
YDROLO Wetland I Y Surfac High V X Satura Water Sedim Drift I Surfac	Hydrology Indicate dicators (minimus e Water (A1) Water Table (A2) tion (A3) r Marks (B1) (None lent Deposits (B2) Deposits (B3) (None Soil Cracks (B6) ation Visible on As	m of one rec riverine) (Nonriverin iriverine)	S  P  P  P  P	alt Crust (E diotic Crust quatic Invo (ydrogen S Oxidized Rh (resence of decent Iron Thin Muck	(B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7)		Secondary In  Water N  Sedimer  Drift De  Drainage  Dry-Seas  Crayfish  Saturatie  Shallow	dicators (two or more required) Marks (B1) (Riverine) It Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) Aquitard (D3)
YDROLO Wetland X Surfac High \ X Satura Water Sedim Drift L Surfac	Hydrology Indicate indicators (minimum e Water (A1) Water Table (A2) ition (A3) if Marks (B1) (None ent Deposits (B2) Deposits (B3) (None Soil Cracks (B6) ation Visible on Aer-Stained Leaves (B	m of one rec riverine) (Nonriverin iriverine)	S  P  P  P  P	alt Crust (E liotic Crust quatic Invo (ydrogen S Oxidized Rh Presence of Jecent Iron	(B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7)		Secondary In  Water N  Sedimer  Drift De  Drainage  Dry-Seas  Crayfish  Saturatie  Shallow	dicators (two or more required) Marks (B1) (Riverine) It Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9)
YDROLO Wetland I Yorfac High \ X Satura Water Sedim Orift I Surfac Inund Water	Hydrology Indicate dicators (minimus e Water (A1) Water Table (A2) tion (A3) r Marks (B1) (None lent Deposits (B2) Deposits (B3) (None Soil Cracks (B6) ation Visible on Ae r-Stained Leaves (Be ervations:	m of one rec riverine) (Nonriverin riverine) erial Imagery 39)	S  P  C  S  S  S	alt Crust (E liotic Crust Aquatic Invi- (ydrogen S Oxidized Rh Presence of Jecent Iron Thin Muck Other (Expla	(B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7)		Secondary In  Water N  Sedimer  Drift De  Drainage  Dry-Seas  Crayfish  Saturatie  Shallow	dicators (two or more required) Marks (B1) (Riverine) It Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) Aquitard (D3)
YDROLO Netland I Primary Ir X Surfac High V X Satura Sedim Drift I Surfac Inund Water	Hydrology Indicated indicators (minimum in Water (A1)) Water Table (A2) Ition (A3) If Marks (B1) (None in Deposits (B3) (None in Cacks (B6) in	m of one rec riverine) (Nonriverin riverine) erial imagery 39)	y (B7)C	alt Crust (E liotic Crust Aquatic Invo (ydrogen S Oxidized Rh Presence of Jecent Iron Thin Muck Other (Explant):	(B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7)		Secondary In  Water N  Sedimer  Drift De  Drainage  Dry-Seas  Crayfish  Saturatie  Shallow	dicators (two or more required) Marks (B1) (Riverine) It Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) Aquitard (D3)
YDROLO Netland i Primary Ir X Surfac High V X Satura Sedim Drift I Surfac Inund Water Field Obse	Hydrology Indicate dicators (minimus e Water (A1) Water Table (A2) tion (A3) r Marks (B1) (None lent Deposits (B2) Deposits (B3) (None Soil Cracks (B6) ation Visible on Ae r-Stained Leaves (Be ervations:	riverine) (Nonriverine) uriverine) erial Imagery (89) Yes No	S  P  C  S  S  S	alt Crust (E siotic Crust quatic Inve (ydrogen S Oxidized Rh Presence of lecent Iron Thin Muck Other (Explant): 1	(B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7)		Secondary In  Water N  Sedimer  Drift De  Drainage  Dry-Seas  Crayfish  Saturatie  Shallow	dicators (two or more required) Marks (B1) (Riverine) It Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) Aquitard (D3)
YDROLO Netland I Primary Ir X Surfac High V X Satura Water Sedim Water Talk	Hydrology Indicate adicators (minimus e Water (A1) Water Table (A2) Ition (A3) Marks (B1) (Nontent Deposits (B3) (Nonce Soil Cracks (B6) ation Visible on Aer-Stained Leaves (Eervations: Vater Present? In Present? In Present? In Present?	riverine) (Nonriverine) erial Imagery yes No Yes	y (B7)  Depth (inches	alt Crust (E siotic Crust Quatic Invo (ydrogen S )xidized Rh (resence of Secent Iron (thin Muck )ther (Explain ): 1 ):	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Ci	r (C1) along Liv ron (C4) in Tilled 7) arks)	Soils (C6) Wetland Hy	Secondary In  Water N Sedimer Drift De Drainage Dry-Sea: Crayfish Saturati Shallow FAC-Net	dicators (two or more required) Parks (B1) (Riverine) Int Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) Aquitard (D3) tral Test (D5)
YDROLO Netland I Primary Ir X Surfac High V X Satura Water Sedim Water Talk	Hydrology Indicate dicators (minimum e Water (A1) Water Table (A2) tion (A3) Marks (B1) (Nontient Deposits (B3) (Nontient Deposits (B6) ation Visible on Aer-Stained Leaves (Bervations: Water Present?	riverine) (Nonriverine) erial Imagery yes No Yes	y (B7)  Depth (inches	alt Crust (E siotic Crust Quatic Invo (ydrogen S )xidized Rh (resence of Secent Iron (thin Muck )ther (Explain ): 1 ):	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Ci	r (C1) along Liv ron (C4) in Tilled 7) arks)	Soils (C6) Wetland Hy	Secondary In  Water N Sedimer Drift De Drainage Dry-Sea: Crayfish Saturati Shallow FAC-Net	dicators (two or more required) Parks (B1) (Riverine) Int Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) Aquitard (D3) tral Test (D5)
YDROLO Wetland I Primary Ir X Surfac High V X Satura Sedim Orift I Surfac Inund Water Field Obsitions Surface W Nater Tal Saturation includes	Hydrology Indicate adicators (minimus e Water (A1) Water Table (A2) Ition (A3) Marks (B1) (Nontent Deposits (B3) (Nonce Soil Cracks (B6) ation Visible on Aer-Stained Leaves (Eervations: Vater Present? In Present? In Present? In Present?	riverine) (Nonriverine) erial Imagery yes No Yes	y (B7)  Depth (inches	alt Crust (E siotic Crust Quatic Invo (ydrogen S )xidized Rh (resence of Secent Iron (thin Muck )ther (Explain) ): 1 ): 0	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Ci	r (C1) along Liv ron (C4) in Tilled 7) arks)	Soils (C6) Wetland Hy	Secondary In  Water N Sedimer Drift De Drainage Dry-Sea: Crayfish Saturati Shallow FAC-Net	dicators (two or more required) Parks (B1) (Riverine) Int Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) Aquitard (D3) tral Test (D5)
YDROLO Wetland I Yimary Ir X Surfac High V X Satura Water Sedim Drift I Surfac Inund Water Field Obs Surface W Water Tal Saturation includes Describe I	Hydrology Indicate adicators (minimus e Water (A1) Water Table (A2) Ition (A3) Marks (B1) (Nontent Deposits (B3) (Nonce Soil Cracks (B6) ation Visible on Aer-Stained Leaves (Eervations: Vater Present? In Present? In Present? In Present?	riverine) (Nonriverine) erial Imagery 39)  Yes No Yes ream gauge,	y (B7)  Depth (inches	alt Crust (E siotic Crust Quatic Invo (ydrogen S )xidized Rh (resence of Secent Iron (thin Muck )ther (Explain) ): 1 ): 0	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Ci	r (C1) along Liv ron (C4) in Tilled 7) arks)	Soils (C6) Wetland Hy	Secondary In  Water N Sedimer Drift De Drainage Dry-Sea: Crayfish Saturati Shallow FAC-Net	dicators (two or more required) Parks (B1) (Riverine) Int Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) Aquitard (D3) tral Test (D5)
YDROLO Wetland I Yimary Ir X Surfac High V X Satura Water Sedim Drift I Surfac Inund Water Field Obs Surface W Water Tal Saturation includes Describe I	Hydrology Indicate dicators (minimum e Water (A1) Water Table (A2) tion (A3) r Marks (B1) (Noncent Deposits (B3) (Nonce Soil Cracks (B6) ation Visible on Aer-Stained Leaves (Eervations: //ater Present? on Present? capillary fringe) Recorded Data (street, and the street of the stree	riverine) (Nonriverine) erial Imagery 39)  Yes No Yes ream gauge,	y (B7)  Depth (inches	alt Crust (E siotic Crust Quatic Invo (ydrogen S )xidized Rh (resence of Secent Iron (thin Muck )ther (Explain) ): 1 ): 0	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Ci	r (C1) along Liv ron (C4) in Tilled 7) arks)	Soils (C6) Wetland Hy	Secondary In  Water N Sedimer Drift De Drainage Dry-Sea: Crayfish Saturati Shallow FAC-Net	dicators (two or more required) Parks (B1) (Riverine) Int Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) Aquitard (D3) tral Test (D5)
YDROLO Wetland I Primary Ir X Surfac High V X Satura Water Sedim Drift I Surfac Inund Water Field Obs Surface W Water Tal Saturation includes Describe I	Hydrology Indicate dicators (minimum e Water (A1) Water Table (A2) tion (A3) r Marks (B1) (Noncent Deposits (B3) (Nonce Soil Cracks (B6) ation Visible on Aer-Stained Leaves (Eervations: //ater Present? on Present? capillary fringe) Recorded Data (street, and the street of the stree	riverine) (Nonriverine) erial Imagery 39)  Yes No Yes ream gauge,	y (B7)  Depth (inches	alt Crust (E siotic Crust Quatic Invo (ydrogen S )xidized Rh (resence of Secent Iron (thin Muck )ther (Explain) ): 1 ): 0	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Ci	r (C1) along Liv ron (C4) in Tilled 7) arks)	Soils (C6) Wetland Hy	Secondary In  Water N Sedimer Drift De Drainage Dry-Sea: Crayfish Saturati Shallow FAC-Net	dicators (two or more required) Parks (B1) (Riverine) Int Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) Aquitard (D3) tral Test (D5)
YDROLO Wetland I Primary Ir X Surfac High V X Satura Water Sedim Drift I Surfac Inund Water Field Obs Surface W Water Tal Saturation includes Describe I	Hydrology Indicate dicators (minimum e Water (A1) Water Table (A2) tion (A3) If Marks (B1) (None tent Deposits (B3) (None Soil Cracks (B6) ation Visible on Aer-Stained Leaves (Eervations: //ater Present? of Present? capillary fringe) Recorded Data (street	riverine) (Nonriverine) erial Imagery 39)  Yes No Yes ream gauge,	y (B7)  Depth (inches	alt Crust (E siotic Crust Quatic Invo (ydrogen S )xidized Rh (resence of Secent Iron (thin Muck )ther (Explain) ): 1 ): 0	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Ci	r (C1) along Liv ron (C4) in Tilled 7) arks)	Soils (C6) Wetland Hy	Secondary In  Water N Sedimer Drift De Drainage Dry-Sea: Crayfish Saturati Shallow FAC-Net	dicators (two or more required) Parks (B1) (Riverine) Int Deposits (B2) (Riverine) posits (B3) (Riverine) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) Aquitard (D3) tral Test (D5)

Project/Site: La Plata County Airport	City/County: La Plata	Sampling Date: <u>08/27/2014</u>	
Applicant/Owner: La Plata County/City o	f Durango State:	CO Sampling Point: 26	
nvestigator(s): Rvan Unterreiner	Section, Township, Range: Sec.29,	T34N, R8W	
andform (hillslope, terrace, etc.): Draina	geway Local relief (concave, co	onvex, none): concave Slope (%): 1	
subregion (LRR): Interior Deserts (LRR D)	Lat: 2.00000000 Long: 2.0	00000000 Datum: WGS84	
ioil Map Unit Name: Falfa Clay Loam, 3-8	NWI classification: PEM		
Are climatic/hydrologic conditions on the	site typical for this time of year? _	Yes (if no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" present? Yes	
Are Vegetation, Soil, or Hydrology	naturally problematic?	(if needed, explain any answers in Remarks.)	
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes	Yes Yes	locations, transects, important features, etc.  Is the Sampled Area within a Wetland? Yes	
Remarks: Slightly unusual depressional	area with a less defined wetland bo	oundary, as compared to elsewhere along the drainage.	
Remarks: Slightly unusual depressional	area with a less defined wetland bo	oundary, as compared to elsewhere along the drainage.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 0 )  1. 2. 3. 4. Total Cover = 0	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata:	1(A) 1 (B)
Sapling/Shrub Stratum (Plot size: 0 )				Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
1. 2. 3. 4. 5. Total Cover = 0				Prevalence Index worksheet  Total % Cover of: Multi OBL species 0 x1 =	ply by:
Herb Stratum (Plot size: 0 )  1, Calamagrostis canadensis  2.  3,  4.  5.  6.  7.  8.  Total Cover = 80	<u>80</u>	Yes	FACW	FACW species 80 x 2 = FAC species 0 x 3 = FACU species 0 x 4 = UPL species 0 x 5 = Column Totals: 80 (A)  Prevalence Index = B/A = 2.00	0 0
Woody Vine Stratum (Plot size: 0 )  1. 2.  Total Cover = 0  Bare Ground in Herb Stratum: 20  **Cover of Biotic Crust: 0				Hydrophytic Vegetation Indicators  X Dominance Test is >50% X Prevalence Index is ≤ 3.0° X Morphological Adaptations³ (Pidata in Remarks or on a separate si Problematic Hydrophytic Vegetalindicators of hydric soil and wetlat must be present, unless disturbed of	rovide supporting neet) tation <sup>1</sup> (Explain) nd hydrology
Remarks: Monoculture of bluejoint just away from th	4 4			Hydrophytic Vegetation Present?	

Wetlands data compiled using Electronic Data Solutions' Everglade" wetland delineation software.

ofile Description: (Descri Ma	be to the dept trix	th needed to d	Redox Fe			minim the absent	e of indicators.)
Depth   Color (moist)		Color (moist)	%	Type <sup>1</sup>	Loc2	Texture	Remarks
(inches)			1.0	80.00			10000
0-12 10YR 5/2	<u>80</u>	5YR 4/6	20	<u>C</u>	<u>PL</u>	Silt Loam	
-Type: C=Concentration. I	)=Depletion R	!M≈Reduced N	Aatrix CS	=Covered r	or Coated	Sand Grains II	ocation: PL=Pore Lining, M=Matrix
lydric Soil Indicators: (Ap	nlicable to all	1 PPc unloce	thonuiso	noted )	2.15.7-1	T	Indicators for Problematic Hydric Soils <sup>3</sup> :
	plicable to all	LKRS, unless o			_		
Histosol (A1)		-		Redox (S5)			1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)		-		d Matrix (S	17 miles 10		2 cm Muck (A10) (LRR B)
Black Histic (A3)		-		Mucky Mir	100		Reduced Vertic (F18)
Hydrogen Sulfide (A4)	an ci	-		Gleyed Ma			Red Parent Material (TF2)
Stratified Layers (A5) (		2		d Matrix (f	200		Other (Explain in Remarks)
1 cm Muck (A9) (LRR E	No. of the Late of			Dark Surfac			
Depleted Below Dark S		-		ed Dark Sui	200		and the same of th
Thick Dark Surface (A1	(cat)	_		Depression	s (F8)		Indicators of hydrophytic vegetation and
Sandy Mucky Mineral		-	Vernal	Pools (F9)			wetland hydrology must be present, unless
Sandy Gleyed Matrix (							disturbed or problematic.
Restrictive Layer (if preser	nt):						
Type:							
Daniel (Inalization							Under Call Present 2 Van
Depth (inches): <u>0</u> Remarks: Falfa clay loam is	s partially hydr	rič.					Hydric Soil Present? Yes
Remarks: Falfa clay loam is		ric.					Hydric Soil Present? <u>Yes</u>
Remarks: Falfa clay loam is YDROLOGY Wetland Hydrology Indica	tors:		I that app	oly)			
Remarks: Falfa clay loam is YDROLOGY Wetland Hydrology Indica	tors:	uired; check al	I that app				Hydric Soil Present? Yes  Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)
Remarks: Falfa clay loam is  YDROLOGY  Wetland Hydrology Indica  Primary Indicators (minimum)	tors:	uired; check al		311)			Secondary Indicators (two or more required)
Primary Indicators (minimum Surface Water (A1)	tors:	uired; check al	lt Crust (E otic Crust	311)	(B13)		Secondary Indicators (two or more required) Water Marks (B1) (Riverine)
YDROLOGY  Wetland Hydrology Indica  Surface Water (A1)  High Water Table (A2)	tors: im of one requ	uired; check al Sa Bi Ac	lt Crust (E otic Crust quatic Inve	311) (B12)			Secondary Indicators (two or more required)  Water (Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
YDROLOGY  Wetland Hydrology Indica  Surface Water (A1)  High Water Table (A2)  X Saturation (A3)	tors: im of one requ nriverine)	uired; check al Sa Bi Ac Hy	lt Crust (E otic Crust quatic Inve drogen S	311) (B12) ertebrates ulfide Odo	(C1)	ving Roots (C3)	Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
YDROLOGY  Wetland Hydrology Indica  Primary Indicators (minimum Surface Water (A1)  High Water Table (A2)  X Saturation (A3)  Water Marks (B1) (Nor	tors: im of one requ nriverine) ) (Nonriverine	uired; check al Sa Bi Ac Hy	It Crust (E otic Crust quatic Invo ydrogen S kidized Rh	311) (B12) ertebrates ulfide Odo	r (C1) along Liv	ving Roots (C3)	Secondary Indicators (two or more required)  Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
YDROLOGY  Wetland Hydrology Indica Primary Indicators (minimo Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Nor Sediment Deposits (B2	tors: um of one requ nriverine) ) (Nonriverine nriverine)	uired; check al Sa Bi Ac Hi Oi Pr	It Crust (E otic Crust quatic Inve drogen S ddized Rh esence of	311) (B12) ertebrates ulfide Odo izospheres Reduced I	r (C1) along Liv ron (C4)		Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
YDROLOGY  Vetland Hydrology Indica  Primary Indicators (minimum)  — Surface Water (A1)  — High Water Table (A2)  X Saturation (A3)  Water Marks (B1) (Nor  — Sediment Deposits (B2)  _ Drift Deposits (B3) (No	tors: im of one requ nriverine) ) (Nonriverine nriverine)	uired; check al Sa Bi Ac Hy Oo Pr Re	It Crust (E otic Crust quatic Invo ydrogen S kidized Rh esence of cent Iron	311) (B12) ertebrates ulfide Odo izospheres	r (C1) along Liv ron (C4) in Tilled		Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
YDROLOGY  Netland Hydrology Indica Primary Indicators (minimum Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Nor Sediment Deposits (B2) Drift Deposits (B3) (No Surface Soil Cracks (B6)	tors: im of one requ nriverine) ) (Nonriverine nriverine) ) kerial Imagery	uired; check al	It Crust (E otic Crust quatic Inve ydrogen S kidized Rh esence of ecent Iron hin Muck	311) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction	r (C1) along Liv ron (C4) in Tilled 7)		Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
YDROLOGY  Wetland Hydrology Indica Primary Indicators (minimus Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Nor Sediment Deposits (B2 Drift Deposits (B3) (No Surface Soil Cracks (B6	tors: im of one requ nriverine) ) (Nonriverine nriverine) ) kerial Imagery	uired; check al	It Crust (E otic Crust quatic Inve ydrogen S kidized Rh esence of ecent Iron hin Muck	(B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7)		Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
YDROLOGY  Netland Hydrology Indica Primary Indicators (minimu) Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Nor Sediment Deposits (B2) Drift Deposits (B3) (No Surface Soil Cracks (B6 Inundation Visible on A	tors: um of one requ nriverine) ) (Nonriverine nriverine) ) kerial Imagery (B9)	uired; check al	It Crust (E otic Crust quatic Inve ydrogen S kidized Rh esence of ecent Iron hin Muck ther (Expla	(B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7)		Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
YDROLOGY  Wetland Hydrology Indica Primary Indicators (minimus Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Nor Sediment Deposits (B2) Drift Deposits (B3) (No Surface Soil Cracks (B6) Inundation Visible on A Water-Stained Leaves Field Observations:	tors: Im of one requirements Inverine) Inverine Inverine Inverine Inverine Inverial Imagery	uired; check al	It Crust (E otic Crust quatic Inverdrogen S kidized Rh esence of ecent Iron hin Muck ther (Expla	(B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7)		Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
YDROLOGY  Netland Hydrology Indica Primary Indicators (minimus) Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (No Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves (B6) Water-Stained Leaves (B6) Indicator Visible on A Water-Stained Leaves (B6)	tors: Im of one requirements Inverine) Inverine Inverine Inverine Inverine Inverial Imagery	uired; check al	It Crust (E otic Crust quatic Invo Adrogen S kidized Rh esence of scent Iron hin Muck ther (Expla	(B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7)	Soils (C6)	Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLOGY  Wetland Hydrology Indica Primary Indicators (minimum Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B6) (nundation Visible on A Water-Stained Leaves (B1) (Not Sediment Deposits (B2) (Non Surface Soil Cracks (B3) (Non Surface Soil Cracks (B4) (Non Surfac	tors: Im of one requirements (Nonriverine)	uired; check al  Sa Bi Ac H) Pr Re (B7) Ti Ot	It Crust (E otic Crust quatic Inverdrogen S kidized Rh esence of ecent Iron hin Muck ther (Expla	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7) arks)	Soils (C6)  Wetland Hy	Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLOGY  Netland Hydrology Indica Primary Indicators (minimus Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (No Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves (B6) Water Table Present? Nater Table Present? Saturation Present?	tors: Im of one requirements (Nonriverine)	uired; check al  Sa Bi Ac H) Pr Re (B7) Ti Ot	It Crust (E otic Crust quatic Inverdrogen S kidized Rh esence of ecent Iron hin Muck ther (Expla	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7) arks)	Soils (C6)  Wetland Hy	Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLOGY Netland Hydrology Indica Primary Indicators (minimum Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (No Surface Soil Cracks (B6) Inundation Visible on A Water-Stained Leaves (B1) (Not Sediment Deposits (B3))	tors: Im of one requirements (Nonriverine)	uired; check al  Sa Bi Ac H) Pr Re (B7) Ti Ot	It Crust (E otic Crust quatic Inverdrogen S kidized Rh esence of ecent Iron hin Muck ther (Expla	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (C:	r (C1) along Liv ron (C4) in Tilled 7) arks)	Soils (C6)  Wetland Hy	Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLOGY  Netland Hydrology Indica Primary Indicators (minimus Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (No Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves (B6) Water Table Present? Nater Table Present? Saturation Present?	tors: Im of one requirements (Nonriverine) (	uired; check al  Sa Bi Ac H) OD Pr Re (B7) Ti Other (inches): pepth (inches): pepth (inches): monitoring we	It Crust (E otic Crust quatic invo drogen S kidized Rh esence of ecent Iron hin Muck ther (Explanta 6	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Cr	r (C1) along Liv ron (C4) in Tilled 7) arks)	Wetland Hypections), if avail	Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLOGY Netland Hydrology Indica Primary Indicators (minimum Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Nor Sediment Deposits (B2) Drift Deposits (B3) (No Surface Soil Cracks (B6) Inundation Visible on A Water-Stained Leaves (Field Observations: Surface Water Present? Nater Table Present? Saturation Present? Includes capillary fringe) Describe Recorded Data (st	tors: Im of one requirements (Nonriverine) (	uired; check al  Sa Bi Ac H) OD Pr Re (B7) Ti Other (inches): pepth (inches): pepth (inches): monitoring we	It Crust (E otic Crust quatic invo drogen S kidized Rh esence of ecent Iron hin Muck ther (Explanta 6	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Cr	r (C1) along Liv ron (C4) in Tilled 7) arks)	Wetland Hypections), if avail	Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLOGY Netland Hydrology Indica Primary Indicators (minimum Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Nor Sediment Deposits (B2) Drift Deposits (B3) (No Surface Soil Cracks (B6) Inundation Visible on A Water-Stained Leaves (Sediment Deposits (B2) (Nortandation Visible on A Water-Stained Leaves (Sediment Present? (Nater Table Present? (Saturation Present? (Securibe Recorded Data (Security D	tors: Im of one requirements (Nonriverine) (	uired; check al  Sa Bi Ac H) OD Pr Re (B7) Ti Other (inches): pepth (inches): pepth (inches): monitoring we	It Crust (E otic Crust quatic invo drogen S kidized Rh esence of ecent Iron hin Muck ther (Explanta 6	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Cr	r (C1) along Liv ron (C4) in Tilled 7) arks)	Wetland Hypections), if avail	Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
YDROLOGY Netland Hydrology Indica Primary Indicators (minimum Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) (Nor Sediment Deposits (B2) Drift Deposits (B3) (No Surface Soil Cracks (B6) Inundation Visible on A Water-Stained Leaves (Field Observations: Surface Water Present? Nater Table Present? Saturation Present? Includes capillary fringe) Describe Recorded Data (st	tors: Im of one requirements (Nonriverine) (	uired; check al  Sa Bi Ac H) OD Pr Re (B7) Ti Other (inches): pepth (inches): pepth (inches): monitoring we	It Crust (E otic Crust quatic invo drogen S kidized Rh esence of ecent Iron hin Muck ther (Explanta 6	(B12) (B12) ertebrates ulfide Odo izospheres Reduced I Reduction Surface (Cr	r (C1) along Liv ron (C4) in Tilled 7) arks)	Wetland Hypections), if avail	Secondary Indicators (two or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

Project/Site: La Plata County Airport	City/County: La Plata	Sampling Date: 08/27/2014
Applicant/Owner: La Plata County/City of I	Durango State	e: CO Sampling Point: 3f
nvestigator(s): Ryan Unterreiner Se	ection, Township, Range: Sec.2	9, T34N, R8W
andform (hillslope, terrace, etc.): Drainage		, convex, none): concave Slope (%): 0
Subregion (LRR): Interior Deserts (LRR D)	Lat: 1.00000000 Long: ]	1.00000000 Datum: WGS84
Soil Map Unit Name: Falfa Clay Loam, 3-8%	a to the second of the second of the second of	The state of the s
Are climatic/hydrologic conditions on the s		
Are Vegetation X , Soil, or Hydrology	요즘 하루스타이 아니다 이 등에 어어들은 나라마다	Are "Normal Circumstances" present? No
Are Vegetation X , Soil , or Hydrology		(if needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site	man showing sampling no	int locations, transects, important features, etc.
	es	introductions, states say, important reactions of etc.
	lo	
Wetland Hydrology Present? No	= 1	
		Is the Sampled Area within a Wetland? No
Remarks: Vegetation is disturbed simply of	due to the presence of Canada	thistle and evidence of dead cattails. Perhaps when the upgradient pasture was
actively managed and irrigated, there was	s more irrigation runoff that cu	ased this depressional area to flood more regularly. Lack of hydric soil or
hydrology removed this area from wetlan	id consideration.	
Olympia and the design of		
VEGETATION - Use scientific names of	f plants.	
	Absolute	Dominant Indicator Dominance Test worksheet:

Tree Stratum (Plot size: 0 ) Number of Dominant Species % Cover Species? Status That Are OBL, FACW, or FAC: 0(A) 2. 3, **Total Number of Dominant** 4. Species Across All Strata: 1 (B) Total Cover = 0 Percent of Dominant Species Sapling/Shrub Stratum (Plot size: 0 ) That Are OBL, FACW, or FAC: 0 (A/B) 2. Prevalence Index worksheet 3. 4. Total % Cover of: Multiply by: 5. OBL species x1 = 0 Total Cover = 0 FACW species x2 = 0 0 Herb Stratum (Plot size: 0 ) FAC species 10 x3 = 30 1. Cirsium arvense 70 Yes FACU FACU species x4 = 280 70 2. Poa palustris 10 No FAC UPL species x5 = 0 3, Column Totals: 80 (A) 310 (B) 4. 5. Prevalence Index = B/A = 3.88 6. 7. 8. Total Cover = 80 Woody Vine Stratum (Plot size: 0 ) Hydrophytic Vegetation Indicators: Dominance Test is >50% 1. 2: Prevalence Index is ≤ 3.01 Total Cover ≈ 0 Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) % Bare Ground in Herb Stratum: 20

Remarks: Dead cattails in this low-lying, depressional area adjacent to the channel indicates this a potential relic wetland. Canada thistle may be more "facultative" than "facultative upland," depsite its listed indicator status in the Arid West Supplement. In the nearby Western Mountains Supplement, the wetland indicator status is "facultative." The growth habit along this drainage would suggest this to be true here.

Wetlands data compiled using Electronic Data Solutions' Everglade<sup>11</sup> wetland delineation software.

% Cover of Biotic Crust: 0

Arid West Region

Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes

	cription: (Describe <u>Matri</u>			Redox Fea	tures		1 N NO.	
epth	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc2	Texture	Remarks
ches)	2000 000		4	The H		0	15.5	
)-14	10YR 4/3	85	7.5YR 5/8	<u>15</u>	<u>C</u>	M	Loam	
					1			
ype: C	Concentration, D=l	Depletion, F	RM=Reduced IV	fatrix, CS=C	overed o	r Coated	Sand Grains.	Location: PL=Pore Lining, M=Matrix
dric Sc	il Indicators: (Appli	icable to all	LRRs, unless o	therwise n	oted.)		41. 41.41.	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histo	sol (A1)			Sandy Re	edox (S5)			1 cm Muck (A9) (LRR C)
	Epipedon (A2)			Stripped		6)		2 cm Muck (A10) (LRR B)
	Histic (A3)		-	Loamy M		F 100 10		Reduced Vertic (F18)
	ogen Sulfide (A4)			Loamy Gl		100		Red Parent Material (TF2)
-	fied Layers (A5) (LR	R C)		Depleted				Other (Explain in Remarks)
_		n C)	_	- C. W		0.0		Other (Explain in Remarks)
	Muck (A9) (LRR D)	to so Japan	-	_ Redox Da				
2000	ted Below Dark Sur		-	_ Depleted				and the second s
	Dark Surface (A12)		-	_ Redox De		14.75		Indicators of hydrophytic vegetation ar
	Mucky Mineral (SI		-	_ Vernal Po	ools (F9)			wetland hydrology must be present, unl
	Gleyed Matrix (S4)							disturbed or problematic.
estrictiv	e Layer (if present)							
2000	e cayer (ii present)	1						
and the second second		i.						Unders Call Descent? No
	inches): <u>O</u> Falfa clay loam, 3-8		lly hydric,					Hydric Soil Present? <u>No</u>
Depth ( emarks:	inches): <u>O</u> Falfa clay loam, 3-8		lly hydric,					Hydric Soil Present? <u>No</u>
Depth (	inches): <u>O</u> Falfa clay loam, 3-8	3% is partial	lly hydric,					Hydric Soil Present? <u>No</u>
Depth ( emarks: DROLO	inches): <u>0</u> Falfa clay loam, 3-8	3% is partial		that apply	)			Hydric Soil Present? <u>No</u> Secondary Indicators (two or more required
Depth ( emarks:  DROLO  /etland /imary Ir	inches): <u>0</u> Falfa clay loam, 3-8 OGY Hydrology Indicator	3% is partial	uired; check all	that apply				
Depth ( emarks:  DROLO /etland   rimary Ir	inches): <u>0</u> Falfa clay loam, 3-8  OGY  Hydrology Indicators (minimum	3% is partial	uired; check all		1)			Secondary indicators (two or more required
Depth ( emarks:  DROLO  /etland rimary Ir  Surfac  High \( \)	Falfa clay loam, 3-8  Falfa clay loam, 3-8  OGY  Hydrology Indicators (minimum on water (A1)	3% is partial	uired; check all	lt Crust (B1	1) 312)	(813)		Secondary Indicators (two or more required  Water Marks (B1) (Riverine)
Depth ( emarks:  'DROLO /etland   rimary   Surface High   Satura	Falfa clay loam, 3-8 FALFA cla	3% is partial rs: a of one req	uired; check all Sal Bic Aq	lt Crust (B1 otic Crust (E uatic Inver	1) 312) tebrates (			Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
DROLO PROLO Portional rimary In Surfac High I Satura Water	Falfa clay loam, 3-8  Falfa clay loam, 3-8  OGY  Hydrology Indicator dicators (minimum or Water (A1)  Nater Table (A2) ation (A3)  r Marks (B1) (Nonrin	3% is partial rs: n of one req verine)	uired; check all Sal Bic Aq Hy	lt Crust (B1 otic Crust (E uatic Inver drogen Sul	1) 312) tebrates ( fide Odor	(C1)	vine Roots (C3)	Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
DROLO PROLO Portional Primary In Surface High N Satura Wates Sedim	Falfa clay loam, 3-8  Falfa clay loam, 3-8  OGY  Hydrology Indicator dicators (minimum or Water (A1)  Nater Table (A2) ation (A3)  r Marks (B1) (Nonrivent Deposits (B2) (	rs: of one req verine)	uired; check allSalBicAqHyOx	lt Crust (B1 otic Crust (E uatic Invert drogen Suli idized Rhiz	1) 312) tebrates ( fide Odor ospheres	(C1) along Liv	ling Roots (C3)	Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
DROLO /etland rimary In Surfac High I Satura Wate Sedim Drift I	Falfa clay loam, 3-8 FALFA cla	rs: of one req verine)	uired; check allSalBicAqHyOxPre	It Crust (B1 otic Crust (E uatic Invert drogen Sul idized Rhiz esence of R	1) 312) tebrates ( fide Odor ospheres educed Ir	(C1) along Liv on (C4)		Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
DROLO /etland rimary In Surfac High \ Satura Wate Sedim Drift I Surfac	Falfa clay loam, 3-8  Falfa clay loam, 3-8  OGY  Hydrology Indicator dicators (minimum or Water (A1)  Nater Table (A2) ation (A3)  r Marks (B1) (Nonrinent Deposits (B2) (Deposits (B3) (Nonrine Soil Cracks (B6)	rs: n of one req verine) Nonriverine iverine)	uired; check allSalBicAqHyOxPreRe	It Crust (B1) otic Crust (E uatic Invent drogen Sulf idized Rhizi esence of R cent Iron R	1) s12) tebrates ( fide Odor ospheres educed Ir eduction	(C1) along Liv on (C4) In Tilled		Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C
DROLO fetland imary Ir Surfac High I Satura Wate Sedim Drift I Surfac Inund	Falfa clay loam, 3-8 FALFA cla	rs: of one req verine) Nonriverine iverine)	uired; check allSalBicAqHy a)OxPreReq (B7)Th	It Crust (B1 otic Crust (E uatic Inven drogen Sul idized Rhiz esence of R cent Iron R nin Muck Su	1) 312) tebrates ( fide Odor ospheres educed Ir eduction urface (C7	(C1) along Liv on (C4) In Tilled		Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C
DROLO /etland rimary Ir Surfac High \ Satura Water Sedim Drift I Surfac Inund	Falfa clay loam, 3-8 FALFA cla	rs: of one req verine) Nonriverine iverine)	uired; check allSalBicAqHy a)OxPreReq (B7)Th	It Crust (B1) otic Crust (E uatic Invent drogen Sulf idized Rhizi esence of R cent Iron R	1) 312) tebrates ( fide Odor ospheres educed Ir eduction urface (C7	(C1) along Liv on (C4) In Tilled		Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C
/DROLO /etland /imary Ir Surfac High \ Satura Vate Sedim Drift I Surfac Inund Wate Ield Obs	Falfa clay loam, 3-8  Falfa clay loam, 3-8  OGY  Hydrology Indicator dicators (minimum or Water (A1)  Nater Table (A2) ation (A3)  If Marks (B1) (Nonrinet Deposits (B2) (Deposits (B3) (Nonroe Soil Cracks (B6) ation Visible on Aerr-Stained Leaves (B5)	rs: n of one req verine) Nonriverine iverine)	uired; check all Sal Bic Aq Hy a) Ox Pre Re (B7) Th	It Crust (B1 otic Crust (E uatic Inven drogen Sul idized Rhiz esence of R cent Iron R nin Muck Su	1) 312) tebrates ( fide Odor ospheres educed Ir eduction urface (C7	(C1) along Liv on (C4) In Tilled		Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C
PROLO /etland rimary Ir Surfac High N Satura Water Sedim Drift I Surfac inund Water ield Obs	Falfa clay loam, 3-8 FALFA cla	rs: of one req verine) Nonriverine iverine) rial Imagery )	uired; check all Sal Bio Aq Hy Ox Pre Re (87) Th	It Crust (B1 otic Crust (E uatic Inven drogen Sul idized Rhiz esence of R cent Iron R nin Muck Su	1) 312) tebrates ( fide Odor ospheres educed Ir eduction urface (C7	(C1) along Liv on (C4) In Tilled		Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C
DROLO etland imary Iri Surfac High \ Satura Water Sedim Drift I Surfac Inund Water eld Observator Tale	Falfa clay loam, 3-8 FALFA cla	rs: of one req verine) Nonriverine iverine) rial Imagery 3) No E	uired; check all  Sal  Bic  Aq  Hy  Ox  Pre  Re  (B7) Th  Oth	It Crust (B1 otic Crust (E uatic Inven drogen Sul idized Rhiz esence of R cent Iron R hin Muck Su her (Explair	1) 312) tebrates ( fide Odor ospheres educed Ir eduction urface (C7	(C1) along Liv on (C4) In Tilled		Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C
DROLC etland limary In Surfac High N Satura Water Sedim Unifit I Surfac Inund Water eld Obsurface W stater Tal	Falfa clay loam, 3-8 FALFA clay load load load load load load load load	rs: of one req verine) Nonriverine iverine) rial Imagery 3) No E	uired; check all Sal Bio Aq Hy Ox Pre Re (87) Th	It Crust (B1 otic Crust (E uatic Inven drogen Sul idized Rhiz esence of R cent Iron R hin Muck Su her (Explair	1) 312) tebrates ( fide Odor ospheres educed Ir eduction urface (C7	(C1) along Liv on (C4) In Tilled	Soils (C6)	Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (Caster of the Caster of the
DROLC etland limary Ir Surfac High N Satura Wate Sedim Drift I Surfac Inund Water eld Obsurface Valuation	Falfa clay loam, 3-8 FALFA clay load load load load load load load load	verine) Nonriverine iverine) Na E No E	uired; check allSalBicAqHyOxPreReThOti  Depth (inches): Depth (inches):	It Crust (B1 otic Crust (E uatic Inven drogen Sul idized Rhiz esence of R cent Iron R hin Muck Su her (Explair	1) 312) tebrates (fide Odor ospheres feduced Ir eduction orface (C7	(C1) along Liv ron (C4) in Tilled () irks)	Soils (C6)  Wetland H	Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)  FAC-Neutral Test (D5)
DROLC  Fetland I imary Ir  Surface High I Satura  Water  Surface Inund  Water  eld Obsurface Talaturation includes	Falfa clay loam, 3-8 FALFA clay load load load load load load load load	verine) Nonriverine iverine) Na E No E	uired; check allSalBicAqHyOxPreReThOti  Depth (inches): Depth (inches):	It Crust (B1 otic Crust (E uatic Inven drogen Sul idized Rhiz esence of R cent Iron R hin Muck Su her (Explair	1) 312) tebrates (fide Odor ospheres feduced Ir eduction orface (C7	(C1) along Liv ron (C4) in Tilled () irks)	Soils (C6)  Wetland H	Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)  FAC-Neutral Test (D5)
DROLO fetland imary Ir Surfac High \ Satura Wate Sedim Drift I Surfac Inund Water leld Obsurface W later Tal aturation neludes escribe	Faifa clay loam, 3-8 FAIfa cla	verine) Nonriverine iverine) No E No E No E No E am gauge,	uired; check all  Sal  Bic  Aq  Hy  OX  Pre  Re  (B7)  Cepth (inches):  Depth (inches):  Depth (inches):	It Crust (B1 ptic Crust (B1 uatic Invent drogen Sult idized Rhiz esence of R cent Iron R in Muck Su her (Explair	1) s12) tebrates ( fide Odor ospheres educed ir eduction urface (C7 n in Rema	(C1) along Liv ron (C4) in Tilled () irks)	Soils (C6)  Wetland H	Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)  FAC-Neutral Test (D5)
DROLO fetland imary Ir Surfac High \ Satura Wate Sedim Drift I Surfac Inund Water leld Obsurface W later Tal aturation neludes escribe	Falfa clay loam, 3-8 FALFA clay load load load load load load load load	verine) Nonriverine iverine) No E No E No E No E am gauge,	uired; check all  Sal  Bic  Aq  Hy  OX  Pre  Re  (B7)  Cepth (inches):  Depth (inches):  Depth (inches):	It Crust (B1 ptic Crust (B1 uatic Invent drogen Sult idized Rhiz esence of R cent Iron R in Muck Su her (Explair	1) s12) tebrates ( fide Odor ospheres educed ir eduction urface (C7 n in Rema	(C1) along Liv ron (C4) in Tilled () irks)	Soils (C6)  Wetland H	Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)  FAC-Neutral Test (D5)
DROLO fetland imary Ir Surface High \ Satura Water Sedim Drift I Surface Inund Water eld Obsurface W ater Tal atturation coludes escribe	Faifa clay loam, 3-8 FAIfa cla	verine) Nonriverine iverine) No E No E No E No E am gauge,	uired; check all  Sal  Bic  Aq  Hy  OX  Pre  Re  (B7)  Cepth (inches):  Depth (inches):  Depth (inches):	It Crust (B1 ptic Crust (B1 uatic Invent drogen Sult idized Rhiz esence of R cent Iron R in Muck Su her (Explair	1) s12) tebrates ( fide Odor ospheres educed ir eduction urface (C7 n in Rema	(C1) along Liv ron (C4) in Tilled () irks)	Soils (C6)  Wetland H	Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)  FAC-Neutral Test (D5)
DROLO etland imary Ir Surface High \ Satura Water Sedim Orift I Surface Inund Water eld Obsurface W ater Tal atturation coludes escribe	Faifa clay loam, 3-8 FAIfa cla	verine) Nonriverine iverine) No E No E No E No E am gauge,	uired; check all  Sal  Bic  Aq  Hy  OX  Pre  Re  (B7)  Cepth (inches):  Depth (inches):  Depth (inches):	It Crust (B1 ptic Crust (B1 uatic Invent drogen Sult idized Rhiz esence of R cent Iron R in Muck Su her (Explair	1) s12) tebrates ( fide Odor ospheres educed ir eduction urface (C7 n in Rema	(C1) along Liv ron (C4) in Tilled () irks)	Soils (C6)  Wetland H	Secondary Indicators (two or more required  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)  FAC-Neutral Test (D5)

And West Region

Wetlands data compiled using Electronic Data Solutions' Everglade<sup>21</sup> wetland delineation software.

Project/Site: La Plata County Airport	City/County: La Plata	Sampling Da	te: <u>08/27/2014</u>	
Applicant/Owner: La Plata County/City of	Durango State:	CO Sar	mpling Point: 4f	
Investigator(s): Ryan Unterreiner S	ection, Township, Range:			
Landform (hillslope, terrace, etc.): Drainag	eway Local relief (concave, o	onvex, none): concave	Slope (%): <u>1</u>	
Subregion (LRR): Interior Deserts (LRR D)	Lat: 4.00000000 Long: 4.	00000000 Datum: WGS	84	
Soil Map Unit Name: NWI classific	ation: pem			
Are climatic/hydrologic conditions on the s	ite typical for this time of year?	Yes (If no, explain	n in Remarks.)	
Are Vegetation X, Soil, or Hydrology _	significantly disturbed?	Are "Normal Circumsta	ances" present? Yes	
Are Vegetation X , Soil, or Hydrology	naturally problematic?	(if needed, explain any	answers in Remarks.)	
	map showing sampling poin es es		mportant features, etc.	
Remarks:				

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 0 ) 1. 2.	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:	<u>Q</u> (A)
3, 4. Total Cover = <u>0</u>				Total Number of Dominant Species Across All Strata:	<u>1</u> (B)
Sapling/Shrub Stratum (Plot size: 0 ) 1.				Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>o</u> (A/B)
2. 3. 4. 5. Total Cover = <u>0</u>				OBL species 0 x1 =	-
Herb Stratum (Plot size: 0 )  1. Cirsium arvense  2.  3.  4.  5.  6.  7.  8.  Total Cover = 90	90	Yes	FACU	FACW species 0 x 2 = FAC species 0 x 3 = FACU species 90 x 4 = UPL species 0 x 5 = Column Totals: 90 (A)  Prevalence Index = B/A = 4.00	<u>0</u> 360
Woody Vine Stratum (Plot size: 0 )  1. 2.  Total Cover ≈ 0  % Bare Ground in Herb Stratum: 10 % Cover of Biotic Crust: 0				Hydrophytic Vegetation Indicators  Dominance Test is > 50% Prevalence Index is ≤ 3.0 <sup>1</sup> X Morphological Adaptations <sup>1</sup> (Pridata in Remarks or on a separate si Problematic Hydrophytic Vegetandicators of hydric soil and wetlar must be present, unless disturbed of the second sec	rovide supporting neet) tation <sup>1</sup> (Explain) nd hydrology
Remarks: Dead cattails in this low-lying, depressional				Hydrophytic Vegetation Present?	

Remarks: Dead cattails in this low-lying, depressional area adjacent to the channel indicates this a potential relic wetland. Canada thistle may be more "facultative" than "facultative upland," depsite its listed indicator status in the Arid West Supplement. In the nearby Western Mountains Supplement, the wetland indicator status is "facultative." The growth habit along this drainage would suggest this to be true here. Therefore, vegetation is assumed to be hydric for this reason.

Wetlands data compiled using Electronic Data Solutions' Everglade<sup>11</sup> wetland delineation software.

inches) 0-12 10YR 4/2 80 7.5YR 5/8 20 C M	Texture Remarks
	Loam
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated S	and Grains. *Location: PL=Pore Lining, M=Matrix
lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C) X Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	- 2020, 310, 02, 03, 04, 04, 04, 04, 04, 04, 04, 04, 04, 04
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	
Thick Dark Surface (A12)Redox Depressions (F8)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Vernal Pools (F9)	wetland hydrology must be present, unless
Sandy Gleyed Matrix (S4)	disturbed or problematic.
Restrictive Layer (if present):	
Type: Depth (inches): 0	Hydric Soil Present? Yes
Remarks:	Hydric Sdiffresenti Tes
YDROLOGY Wetland Hydrology Indicators:	
rimary Indicators (minimum of one required; check all that apply)	Secondary Indicators (two or more required)
	Water Marks (B1) (Riverine)
Surface Water (A1)Salt Crust (B11)	
Surface Water (A1)	Sediment Deposits (B2) (Riverine)
	Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
High Water Table (A2) Biotic Crust (B12)	
	Drift Deposits (B3) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	Drift Deposits (B3) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)  Biotic Crust (B12) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc	Drift Deposits (B3) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) X Saturation Visible on Aerial Imagery (C9)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)  Biotic Crust (B12) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1)  X Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc	Drift Deposits (83) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) X Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)  Biotic Crust (B12) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc	Drift Deposits (B3) (Riverine)  X Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  X Saturation Visible on Aerial Imagery (C9)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Biotic Crust (B12) Aquatic invertebrates (B13)  Mydrogen Sulfide Odor (C1)  X. Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)	Drift Deposits (B3) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) X Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Well April 1	Drift Deposits (83) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) X Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Water Water Present? No Depth (Inches): Vater Table Present? No Depth (inches):	Drift Deposits (83) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) X Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Ield Observations: Urface Water Present? Vater Table Present? No Depth (inches): Vater Table Present	Drift Deposits (83) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Cield Observations: Surface Water Present? No Depth (inches): Saturation Present? No Depth (inches):	Drift Deposits (B3) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Water Table Present? No Depth (inches): Saturation Pr	Drift Deposits (83) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present?  No Depth (inches):  Water Table Present?  Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)  X Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)  Field Observations: Surface Water Present? No Depth (inches):	Drift Deposits (83) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Water Table Present? No Depth (inches): Saturation Pr	Drift Deposits (83) (Riverine) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Ield Observations: Urface Water Present? Vater Table Present? No Depth (inches): Surface Soil Cracks (B6) Depth (inches): Surface Water Present? No Depth (inches): Surface Water Present? No Depth (inches): Surface Water Present? Surface Water Present Present? Surface Water Present Present? Surface Water Present Presen	Drift Deposits (83) (Riverine)  X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) X Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes

And West Region

Wetlands data compiled using Electronic Data Solutions' Everglade<sup>20</sup> wetland delineation software.

Project/Site: La Plata County Airport	City/County: La Plata	Sampling Date: 08/	27/2014
Applicant/Owner: La Plata County/City	y of Durango Stat	te: CO Sampling	Point: 5f
Investigator(s): Ryan Unterreiner	Section, Township, Range: Sec.2	29, T34N, R8W	
Landform (hillslope, terrace, etc.): Stre	am terrace Local relie	f (concave, convex, none): convex	Slope (%): 3
Subregion (LRR): Interior Deserts (LRR	D) Lat: 5.00000000 Long:	5.00000000 Datum: WGS84	
Soil Map Unit Name: Falfa clay loam, 3	-8% NWI classification: PEM		
Are climatic/hydrologic conditions on t	he site typical for this time of year	? Yes (If no, explain in Re	marks.)
Are Vegetation, Soil, or Hydrolo	gy significantly disturbed?	Are "Normal Circumstances"	present? Yes
Are Vegetation, Soil, or Hydrolo	gy naturally problematic?	(if needed, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes	site map showing sampling po <u>Yes</u> <u>Yes</u>	int locations, transects, import	Tarty-Students
Remarks: A high terrace/wet meadov	v adjacent to the drainage.		

<u>Tree Stratum</u> (Plot size: <u>0</u> )  1.  2.  3.  4.  Total Cover = <u>0</u>	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species	2(A) 2 (B)
Sapling/Shrub Stratum (Plot size: 0 ) 1.				That Are OBL, FACW, or FAC:	100 (A/B)
2, 3, 4, 5. Total Cover = 0				OBL species 0 x	ultiply by: 1 = 0 2 = 160
Herb Stratum (Plot size: 0 )  1, Juncus balticus  2. Panicum virgatum  3. Asclepias speciosa  4. Epilobium ciliatum  5. Poa palustris  6.  7.  8.  Total Cover = 88	40 30 3 10 5	Yes Yes No No	FACW FACW FAC FACW FAC	FAC species 8 x3 FACU species 0 x4	2 = 160 3 = 24 4 = 0 5 = 0 184 (B)
Woody Vine Stratum (Plot size: 0 )  1. 2. Total Cover = 0  % Bare Ground in Herb Stratum: 12 % Cover of Biotic Crust: 0				Hydrophytic Vegetation Indicat  X Dominance Test is >50%  X Prevalence Index is ≤ 3.0°  X Morphological Adaptations data in Remarks or on a separat  Problematic Hydrophytic Vi	(Provide supporting e sheet) egetation <sup>1</sup> (Explain) itland hydrology
	4 1			Hydrophytic Vegetation Presen	it? Yes

Wetlands data compiled using Electronic Data Solutions' Everglade\*\* wetland delineation software.

Depth Color	Mat r (moist)	%	Color (me	Redox (	Typel	Loc2	Texture		Remarks	
iches)	1111-1217		33131.(())		77.65		(Allegia)		Tomation and the second	
0-14 10)	YR 3/2	95	7.5YR 4	<u>/6</u> <u>5</u>	<u>c</u>	<u>PL</u>	<u>Loam</u>			
ype: C=Concer	ntration, D	=Depletion	, RM=Redu	ced Matrix, C	S=Covered o	or Coated	Sand Grains.	Location: PL	=Pore Lining, M=Matrix	
ydric Soil Indica	ators: (App	licable to	all LRRs, un	less otherwis	e noted.)			Indicat	ors for Problematic Hydric Soils <sup>3</sup> :	
Histosol (A1)				Sand	Redox (S5)			1 cm Muck (A9) (LRR C)		
Histic Epiped	The second second				ed Matrix (S			2 cm Muck (A10) (LRR B)		
Black Histic (					Mucky Mir			Reduced Vertic (F18)		
Hydrogen Su	ilfide (A4)			Loam	Gleyed Ma	trix (F2)		Red Parent Material (TF2)		
Stratified Lay	/ers (A5) (L	RR C)		X Deplet	ed Matrix (	F3)		Oti	Other (Explain in Remarks)	
1 cm Muck (A	A9) (LRR D)			Redox	Dark Surface	ce (F6)				
Depleted Bel	low Dark St	urface (A1	1)	Deple	ted Dark Su	rface (F7)		47 - 27		
Thick Dark St	urface (A12	()		Redox	Depression	is (F8)		Indica	tors of hydrophytic vegetation and	
Sandy Mucky	y Mineral (S	51)		Verna	Pools (F9)			wetlan	wetland hydrology must be present, unless	
Sandy Gleyed Matrix (S4)								disturb	disturbed or problematic.	
Restrictive Layer (if present): Type: Depth (inches): 0							Hydric Soil Present? <u>Yes</u>			
Type:	: <u>0</u>		tially hydric					Hydric	Soil Present? <u>Yes</u>	
Type: Depth (inches): Remarks: Falfa cl	: <u>0</u> lay loam, 3	-8% is par	tially hydric					Hydric	Soil Present? <u>Yes</u>	
Type: Depth (inches): Remarks: Falfa cl  DROLOGY Vetland Hydrolo	: <u>0</u> lay loam, 3	-8% is par		erk all that ar	n(v)					
Type: Depth (inches): Remarks: Falfa cl  YDROLOGY Vetland Hydrolo frimary Indicator	: <u>0</u> lay loam, 3 ogy Indicators (minimus	-8% is par						Secondary	r Indicators (two or more required)	
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Avid West Region

Wetlands data compiled using Electronic Data Solutions' Everglade<sup>11</sup> wetland delineation software.

Durango La Plata County Airport - Wetland and Waters of the U.S. Delineation Report
Appendix D: Photographs
776 E. 2nd Avenue • Durango, CO 81301 • Phone: (970) 382-7256 • Fax: (970) 382-7259



Photograph 1. Looking north at Wetland M, a stormwater detention basin.



Photograph 2. Looking northwest at Wetland J, a stormwater detention basin.



Photograph 3. View looking west at Wetland G.



Photograph 4. View looking north at Wetland G.



Photograph 5. View looking southeast from airport storm drain into Wetland F.



Photograph 6. View looking northeast at Wetland F



Photograph 7. View looking northeast along Wetland F boundary, dominated by Canada thistle.



Photograph 8. View looking north across excavated pond at the Wetland I boundary.



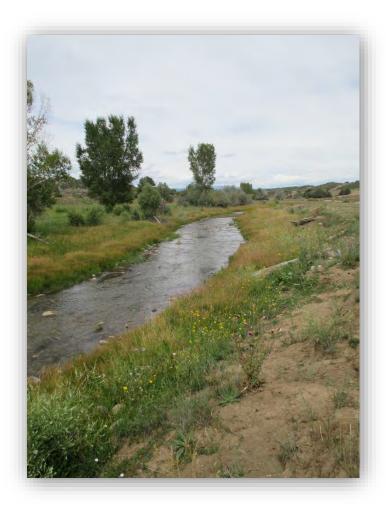
Photograph 9. Typical ditch/lateral in northeast agricultural field.



Photograph 10. Typical irrigated wetland habitat, northeast agricultural field.



Photograph 11. Typical seep wetland forming below the rim in a natural drainage.



Photograph 12. Looking upstream at Florida River, typical cross section.



Photograph 13. Looking upstream at the bench wetland east of the airport.



Photograph 14. Looking upstream at the CR 309a roadside drainage conveying irrigation return flows to the Florida River valley floor.