

AQUATIC RESOURCES DELINEATION

Terry Airport
Terry, Montana

Prepared for:
Prairie County Airport Authority

Prepared by:
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KLJ

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ENGINEERING, REIMAGINED

EXECUTIVE SUMMARY

The aquatic resource delineation conducted by KLJ was in accordance with the 1987 United States Army Corps of Engineers (USACE) Wetland Delineation Manual and the USACE March 2010 Regional Supplement: Great Plains Region (Version 2.0). The routine approach with onsite inspection was utilized, including the standard multi-parameter approach (vegetation, hydrology, and soils) for wetland identification. An area is considered a wetland if hydrophytic vegetation, wetland hydrology, and hydric soils are present. Sample locations were determined using United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) maps along with sites which visually supported a hydrophytic plant community, as well as characteristics of wetland hydrology and hydric soils.

Eleven wetlands totaling approximately 5.90 acres were delineated within the 550-acre study area. In addition, four ditches were identified within the study area.

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ACRONYMS AND ABBREVIATIONS

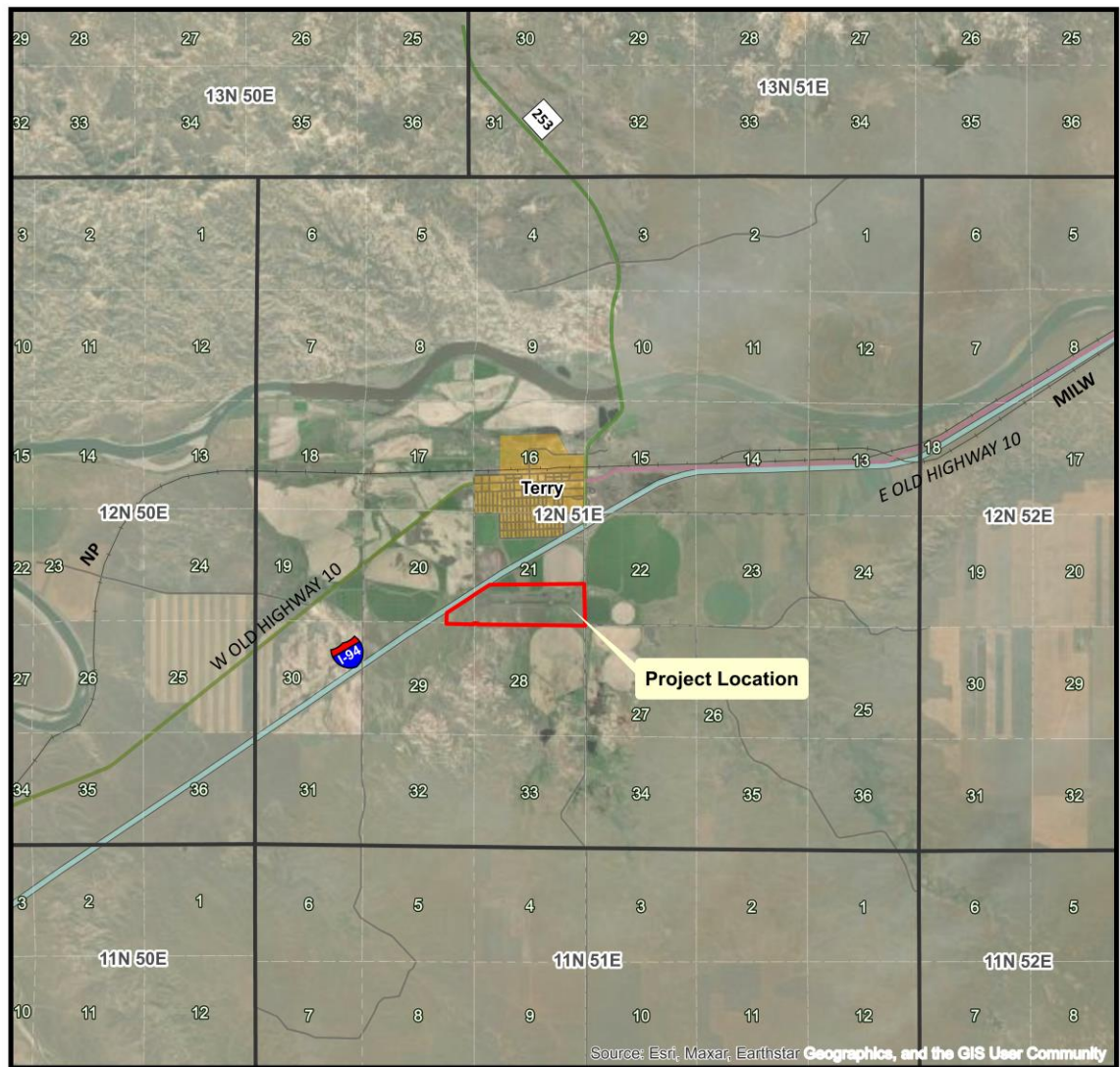
GPS	Global Positioning System
HUC	Hydrologic Unit Code
MT	Montana
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
USACE	US Army Corps of Engineers
USDA	US Department of Agriculture
USGS	US Geological Survey
USFWS	US Fish and Wildlife Service
WSS	Web Soil Survey

I. Introduction

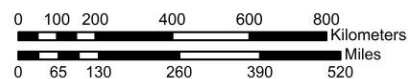
KLJ was contracted by the Prairie County Airport Authority to conduct a field aquatic resource delineation for proposed improvements at the Terry Airport in Terry, Montana. The field wetland delineation was completed on May 18, 2023 by Tom Naas of KLJ. The aquatic resource delineation encompassed an approximate 550-acre study area.

II. Location

The study area is located in Section 21, Township 12 North, Range 51 East, in Prairie County, Montana (MT). The project is located at the Terry Airport, approximately 1 mile south of Terry, MT. The study area for the project is situated in a rural area dominated by agriculture. Please refer to **Figure 1, Project Location Map**.



**TERRY AIRPORT
Aquatic Resources Delineation
Prairie County, MT
Project Location Map**



KLJ Project Number: 2005_01683
Date Created: 7/7/2023 Created By: K. Janssen

Figure 1, Project Location Map

III. Definitions and Methods

The aquatic resource delineation conducted by KLJ was in accordance with the 1987 USACE Wetland Delineation Manual and the USACE March 2010 Regional Supplement: Great Plains Region (Version 2.0). The routine approach with onsite inspection was utilized, including the standard multi-parameter approach (vegetation, hydrology, and soils) for wetland identification. An area is considered to be a wetland if hydrophytic vegetation, wetland hydrology, and hydric soils are all present. Sample locations were determined using USFWS NWI maps along with sites which visually supported a hydrophytic plant community, as well as characteristics of wetland hydrology and hydric soils. Definitions and methodologies for determining each of these three parameters are summarized below:

A. Hydrophytic Vegetation

Definition: The prevalence (greater than 50 percent) of dominant plant species that are adapted to life in saturated soil conditions.

Method: To determine if vegetation was hydrophytic, the scientific name and indicator status of dominant plant species at each wetland were recorded on USACE data forms. Dominance refers to the spatial extent of a species that is directly observed in the field. Dominance is calculated by identifying the most abundant species that individually or collectively account for more than 50 percent of the total coverage of vegetation in the stratum as well as any other species that, by itself, accounts for at least 20 percent of the total. Where 50 percent or more of all dominant species were hydrophytic, the hydrophytic vegetation parameter was met. Absolute percent cover¹ of dominant species within each stratum is listed on data forms.

B. Wetland Hydrology

Definition: Fourteen or more consecutive days of flooding, ponding, or water table within 12 inches of the surface during the growing season at a minimum frequency of 5 out of 10 years (50 percent).

Method: Wetland hydrology was determined by observing the presence of primary and/or secondary indicators listed on the USACE data form. If one primary indicator or two secondary indicators were present, the wetland hydrology parameter was met.

C. Hydric Soils

Definition: Soils that are saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper 12 inches.

¹ Absolute percent cover within each stratum is not required to add up to 100 percent on the data forms.

Method: Soils were colored and characterized using Munsell Soil Color Charts. If one or more of the hydric soil indicators on the USACE data sheet were identified according to the USACE Wetland Delineation Manual and the USACE March 2010 Regional Supplement: Great Plains Region (Version 2.0), the soil was considered to be hydric.

A study area totaling approximately 550 acres was surveyed. Wetland boundaries were determined based on the USACE wetland delineation process through completing paired sample points as needed and investigating vegetation, hydrology, and/or soil parameters. The wetland and other waters (e.g. rivers, streams, ditches) were surveyed using global positioning system (GPS) data collection. Portions of delineated feature may have extended beyond the limits of the study area; however, features were only delineated within the study area.

Base field maps were developed using aerial photography in combination with information from the USFWS NWI maps, Natural Resources Conservation Service (NRCS) soil survey data from Prairie County and United States Geological Survey (USGS) topographic quadrangle maps.

KLJ also analyzed the delineated wetlands using the Montana Department of Transportation (MDT) Wetland Functional Assessment. This assessment provides a standard method to group wetlands into specific categories (Categories I – IV) and assign functional points. According to the assessment method guidance, Category I is the highest overall ranking a wetland can receive, followed by Category II, Category III, and Category IV. Functional points represent values which can be assessed by acre to determine the total functional units at a given site. Please refer to **Table 2, Delineated Wetlands** for a summary of the functional assessment findings. For additional details on the functional assessment for each wetland, please see **Appendix D Wetland Functional Assessment Reports**.

Below is a summary of wetland categories designated by the assessment method:

-Category I wetlands are of exceptionally high quality and are generally rare to uncommon in the state or are important from a regulatory standpoint. Category I wetlands can: provide primary habitat for federally listed or proposed threatened or endangered species; represent a high-quality example of a rare wetland type; provide irreplaceable ecological functions (e.g., are not replaceable within a human lifetime, if at all); exhibit exceptionally high flood attenuation capability; or are assigned high ratings for most of the assessed functions and values.

-Category II wetlands are more common than Category I wetlands and are those that provide habitat for sensitive plants or animals, function at very high levels for wildlife/fish habitat, are unique in a given region, or are assigned high ratings for many of the assessed functions and values.

-Category III wetlands are more common and generally less diverse than Category I and II wetlands. They can provide many functions and values, although they may not be assigned high ratings for as many parameters as are Category I and II wetlands.

-Category IV wetlands are generally small, isolated, and lack vegetative diversity. These sites provide little in the way of wildlife habitat and are often directly or indirectly disturbed.

IV. Existing Conditions

A. Landscape Setting

The study area is located in the ecoregion identified by the EPA as the River Breaks of the Northwestern Great Plains of Montana. The ecoregion consists of unglaciated, semiarid, and rolling plain that is underlain by shale, siltstone, and sandstone. The dominant land uses within the area consists of cropland and rangeland. Portions of the region are subject to erratic precipitation and few opportunities for irrigation.

B. Hydrology

The project is located in USGS Hydrologic Unit Code (HUC) 10100004 (Yellowstone River), which encompasses approximately 63,447 square miles. Surface water within the study area generally flows north and east toward Spring Creek and Yellowstone River.

Antecedent precipitation conditions were evaluated for the study area using the Rainfall Documentation Worksheet associated with the supplemental data for remote sensing (NRCS, 1997). NRCS WETS Climate Tables were utilized to determine the environmental conditions within the study area at the time of the field delineation. The closest station with climate normal data from the NRCS WETS Tables is Terry, MT. Information from this station was utilized in determining antecedent precipitation conditions within the study area for the prior three months. During the field delineation, the region was experiencing normal conditions. Please see **Table 1, Antecedent Precipitation. Appendix E**, shows the antecedent precipitation vs. normal range on NOAA's daily global historical climatology network.

Table 1, Antecedent Precipitation

YEAR	MONTH	30% CHANCE PRECIP LESS THAN (INCHES)	30% CHANCE PRECIP MORE THAN (INCHES)	2023 RAINFALL (INCHES)	CONDITION (DRY, WET, NORMAL)	CONDITION VALUE ²	MONTH WEIGHT VALUE	PRODUCT OF PREVIOUS TWO COLUMNS
2023	Feb	0.12	0.33	0.89	Wet	3	1	3
2023	March	0.18	0.52	0.64	Wet	3	2	6
2023	April	0.59	1.44	0.88	Normal	2	3	6
							Total ³	15

C. Plant Community and Soils

Plant communities in the study area, not necessarily included in sample point communities, are generally mixed native and tame grasses, as well as agricultural crops. Upland plant communities

² Condition values range from 1 (dry), 2 (normal), and 3 (wet).

³ Total value ranges are drier than normal (6-9), normal (10-14), and wetter than normal (15-18).

located along the aquatic resources were dominated by tame and native grass species such as crested wheatgrass (*Agropyron cristatum*), western wheatgrass (*Pascopyrum smithii*), and downy brome (*Bromus tectorum*). Plant communities within wetland sample points were dominated by foxtail barley (*Hordeum jubatum*), curly dock (*Rumex crispus*), common spikerush (*Eleocharis palustris*), clasping pepperweed (*Lepidium perfoliatum*), and reed canary grass (*Phalaris arundinacea*).

Per the US Department of Agriculture (USDA) Web Soil Survey (WSS), the dominant soil types throughout the study area are non-hydric Ethridge silt clay loams with 0 to 2 percent slopes, non-hydric Gerdrum-Creed complex with 0 to 2 percent slopes, Marias silty clay with 0 to 2 percent slope, and Marvan silty clay, warm with 0 to 2 percent slope. The soils are well drained, with depth to water table more than 200 inches. Please refer to **Appendix A, Aquatic Resource Wetland Maps**.

D. Aquatic Resources

Eleven wetlands were delineated within the study area. Approximately 5.90 acres of wetlands were delineated along with approximately 2.93 other waters (ditches). Please refer to **Table 2, Delineated Wetlands** for a summary of the delineated features. For a visual overview, please refer to **Appendix A, Aquatic Resource Wetland Maps**, and **Appendix B, Site Photos**. For detailed wetland and upland characteristics at each sample point, please refer to **Appendix C, Aquatic Resource Delineation Datasheets**.

Table 2, Delineated Aquatic Resources

AQUATIC RESOURCE NUMBER	SAMPLE POINT NUMBER	LOCATION (PUBLIC LAND SURVEY SYSTEM)	LATITUDE/ LONGITUDE (DECIMAL DEGREES)	AQUATIC RESOURCE TYPE	WETLAND FEATURE	COWARDIN CLASSIFICATION	RESOURCE AREA (ACRES)	RESOURCE SIZE (LINEAR FEET)	FUNCTIONAL ASSESSMENT (CATEGORY/ POINTS PER ACRE)	PAIRED SAMPLE POINT
1	W1	Sec 21, T12N, R51E	46.775178/-105.323525	Wetland	Artificial	PEMAx	0.30	N/A	Category IV 2.8	1,2
2	W2	Sec 21, T12N, R51E	46.775297/-105.323633	Wetland	Artificial	PEMAx	0.42	N/A	Category IV 2.8	3,4
3	W3	Sec 21, T12N, R51E	46.775756/-105.324448	Wetland	Natural	PEMA	0.22	N/A	Category IV 2.8	5,6
4	W4	Sec 21, T12N, R51E	47.774276/-105.321002	Wetland	Natural	PEMAb	4.41	N/A	Category IV 2.8	11, 12
5	W5	Sec 21, T12N, R51E	47.776613/-105.309645	Wetland	Natural	PEMA	0.23	N/A	Category IV 2.8	19, 20
6	W6	Sec 21, T12N, R51E	47.776867/-105.557299	Wetland	Artificial	PEMAx	0.05	N/A	Category IV 2.8	21, 22

AQUATIC RESOURCE NUMBER	SAMPLE POINT NUMBER	LOCATION (PUBLIC LAND SURVEY SYSTEM)	LATITUDE/ LONGITUDE (DECIMAL DEGREES)	AQUATIC RESOURCE TYPE	WETLAND FEATURE	COWARDIN CLASSIFICATION	RESOURCE AREA (ACRES)	RESOURCE SIZE (LINEAR FEET)	FUNCTIONAL ASSESSMENT (CATEGORY/ POINTS PER ACRE)	PAIRED SAMPLE POINT
7	W7	Sec 21, T12N, R51E	47.776915/-105.3177037	Wetland	Artificial	PEMAx	0.10	N/A	Category IV 2.8	23,24
8	W8	Sec 21, T12N, R51E	47.778388/-105.314532	Wetland	Artificial	PEMAx	0.06	N/A	Category IV 2.8	27, 28
9	W9	Sec 21, T12N, R51E	47.778998/-105.322051	Wetland	Artificial	PEMAx	0.05	N/A	Category IV 2.8	33, 34
10	W10	Sec 21, T12N, R51E	47.778062/-105.312940	Wetland	Artificial	PEMAx	0.04	N/A	Category IV 2.8	35, 36
11	W11	Sec 21, T12N, R51E	46.778461/-105.304529	Wetland	Artificial	PEMAx	0.01	N/A	Category IV 2.8	37, 38
Ditch 1	N/A	Sec 28, T12N, R51E	46.7741177/-105.3199962	Ditch	Natural	R4SBC	0.37	1,015	N/A	N/A
Ditch 2	N/A	Sec 21, T12N, R51E	46.7780820/-105.3175416	Ditch	Artificial	R4SBCx	1.87	5,090	N/A	N/A
Ditch 3	N/A	Sec 21, T12N, R51E	46.7784805/-105.3179172	Ditch	Artificial	R4SBCx	0.62	1,827	N/A	N/A
Ditch 4	N/A	Sec 21, T12N, R51E	46.7789882/-105.3149004	Ditch	Artificial	R4SBCx	0.07	283	N/A	N/A
Total							8.83	8,215		

Wetlands

Wetland 1 is an artificial wetland associated with a ditch connected to a natural drainage. The wetland is classified as R4SBC with dominant vegetation of spikerush (*Eleocharis palustris*), cockleburs (*Xanthium strumarium*), and foxtail barley (*Hordeum jubatum*). The soil profile at the wetland consisted of silty loams and silty clay-loams and met the definition of depleted matrix (F3) and redox dark surface (F6). Hydrology indicators consisted of saturation visible on aerial imagery (C9), and geomorphic position (D2), and FAC-Neutral Test (D5). No surface or subsurface water was observed at the sample location.

Wetland 2 is an artificial wetland associated with a ditch connected to a natural drainage. The wetland is classified as PEM1Ah with dominant vegetation of spikerush (*Eleocharis palustris*), cockleburs (*Xanthium strumarium*), and foxtail barley (*Hordeum jubatum*). The soil profile at the wetland consisted of silt loams and met the definition of depleted matrix (F3) and redox dark surface (F6). Hydrology indicators consisted of saturation visible on aerial imagery (C9), FAC-Neutral Test (D5),

and geomorphic position (D2). No surface or subsurface water was observed at the sample location.

Wetland 3 is located within a drainage swell. The wetlands are classified as R4SBC with dominant vegetation of clasping pepperweed (*Lepidium perfoliatum*). The soil profile at the wetland consisted of silt loams and silty-clay loams and met the definition of depleted matrix (F3). Hydrology indicators consisted of saturation visible on aerial imagery (C9), and geomorphic position (D2). No surface or subsurface water was observed at the sample locations.

Wetland 4 is a natural basin wetland situated in a crop field. The wetland is classified as PEMB with dominant vegetation of reed canary grass (*Phalaris arundinacea*) and foxtail barley (*Hordeum jubatum*). The soil profiles at the wetland consisted of silt clays and met the definition of depleted matrix (F3). Hydrology indicators consisted of saturation visible on aerial imagery (C9), geomorphic position (D2), and FAC-Neutral Test (D5). No surface or subsurface water was observed at the sample location. Wetland 4 consists of two lobes that are connected by Ditch 1.

Wetland 5 is a natural basin wetland situated alongside the runway. The wetland is classified as PEMA with dominant vegetation of common foxtail barley (*Hordeum jubatum*). The soil profiles at the wetland consisted of clay loams and silty clay loams and met the definition of depleted matrix (F3) and Redox Dark Surface (F6). Hydrology indicators consisted of saturation visible on aerial imagery (C9), geomorphic position (D2), and FAC-Neutral Test (D5). No surface or subsurface water was observed at the sample location.

Wetland 6 is a created ditch wetland. The wetland is classified as PEMAx with dominant vegetation of common curly dock (*Rumex crispus*) and foxtail barley (*Hordeum jubatum*). The soil profiles at the wetland consisted of clay loams and silty clay loams and met the definition of depleted matrix (F3) and Redox Dark Surface (F6). Hydrology indicators consisted of surface soil cracks (B6), saturation visible on aerial imagery (C9), geomorphic position (D2), and FAC-Neutral Test (D5). No surface or subsurface water was observed at the sample location.

Wetland 7 is a created ditch wetland. The wetland is classified as PEMAx with dominant vegetation of common curly dock (*Rumex crispus*), reed canary grass (*Phalaris arundinacea*), and foxtail barley (*Hordeum jubatum*). The soil profiles at the wetland consisted of clay loams and silty clay loams and met the definition of depleted matrix (F3) and Redox Dark Surface (F6). Hydrology indicators consisted of saturation visible on aerial imagery (C9), geomorphic position (D2), and FAC-Neutral Test (D5). No surface or subsurface water was observed at the sample location.

Wetland 8 is a created ditch wetland. The wetland is classified as PEMAx with dominant vegetation of common curly dock (*Rumex crispus*) and foxtail barley (*Hordeum jubatum*). The soil profiles at the wetland consisted of clay loams and silty clay loams and met the definition of depleted matrix (F3) and Redox Dark Surface (F6). Hydrology indicators consisted of surface soil cracks (B6), saturation

visible on aerial imagery (C9), geomorphic position (D2), and FAC-Neutral Test (D5). No surface or subsurface water was observed at the sample location.

Wetland 9 is a created ditch wetland. The wetland is classified as PEMAx with dominant vegetation of common curly dock (*Rumex crispus*), and foxtail barley (*Hordeum jubatum*). The soil profiles at the wetland consisted of clay and clay loams and met the definition of depleted matrix (F3) and Redox Dark Surface (F6). Hydrology indicators consisted of saturation visible on aerial imagery (C9), geomorphic position (D2), and FAC-Neutral Test (D5). No surface or subsurface water was observed at the sample location.

Wetland 10 is a created ditch wetland. The wetland is classified as PEMAx with dominant vegetation of common curly dock (*Rumex crispus*) and foxtail barley (*Hordeum jubatum*). The soil profiles at the wetland consisted of clay loams and silty clay loams and met the definition of depleted matrix (F3) and Redox Dark Surface (F6). Hydrology indicators consisted of surface soil cracks (B6), saturation visible on aerial imagery (C9), geomorphic position (D2), and FAC-Neutral Test (D5). No surface or subsurface water was observed at the sample location.

Wetland 11 is a natural basin. The wetland is classified as PEMAx with dominant vegetation of common cattails (*Typha*) and foxtail barley (*Hordeum jubatum*). The soil profiles at the wetland consisted of clay loams and clay and met the definition of depleted matrix (F3) and Redox Dark Surface (F6). Hydrology indicators consisted of saturation visible on aerial imagery (C9), geomorphic position (D2), and FAC-Neutral Test (D5). No surface or subsurface water was observed at the sample location.

Ditches

Ditch 1 is a constructed ditch that may be utilized for irrigation along the south side of the site. Water was observed within the ditch at the time of the field visit.

Ditch 2 is a constructed ditch that appears to have been created for irrigation purposes. Ditch 2 was dry at the time of the field visit, however based on the NHD flowlines it appears that water within Ditch 2 would likely flow to the east toward Spring Creek.

Ditch 3 is a constructed ditch that appears to have been created for irrigation purpose. A portion of Ditch 3 was recently excavated at the time of the field visit. It appears that Ditch 3 only receives water when the irrigation ditch is turned on.

Ditch 4 is a constructed ditch that appears to be created for irrigation purposes.

Upland Areas

In addition to the areas mentioned above, several other areas were investigated due to maps NWI wetlands or NHD flowlines. These areas were determined due be non-wetland due to a lack of wetland vegetation or hydric soils. Please see the attached data sheets labeled 8, 10, 14, 16, 18, 26, 30, and 32.

V. Conclusion

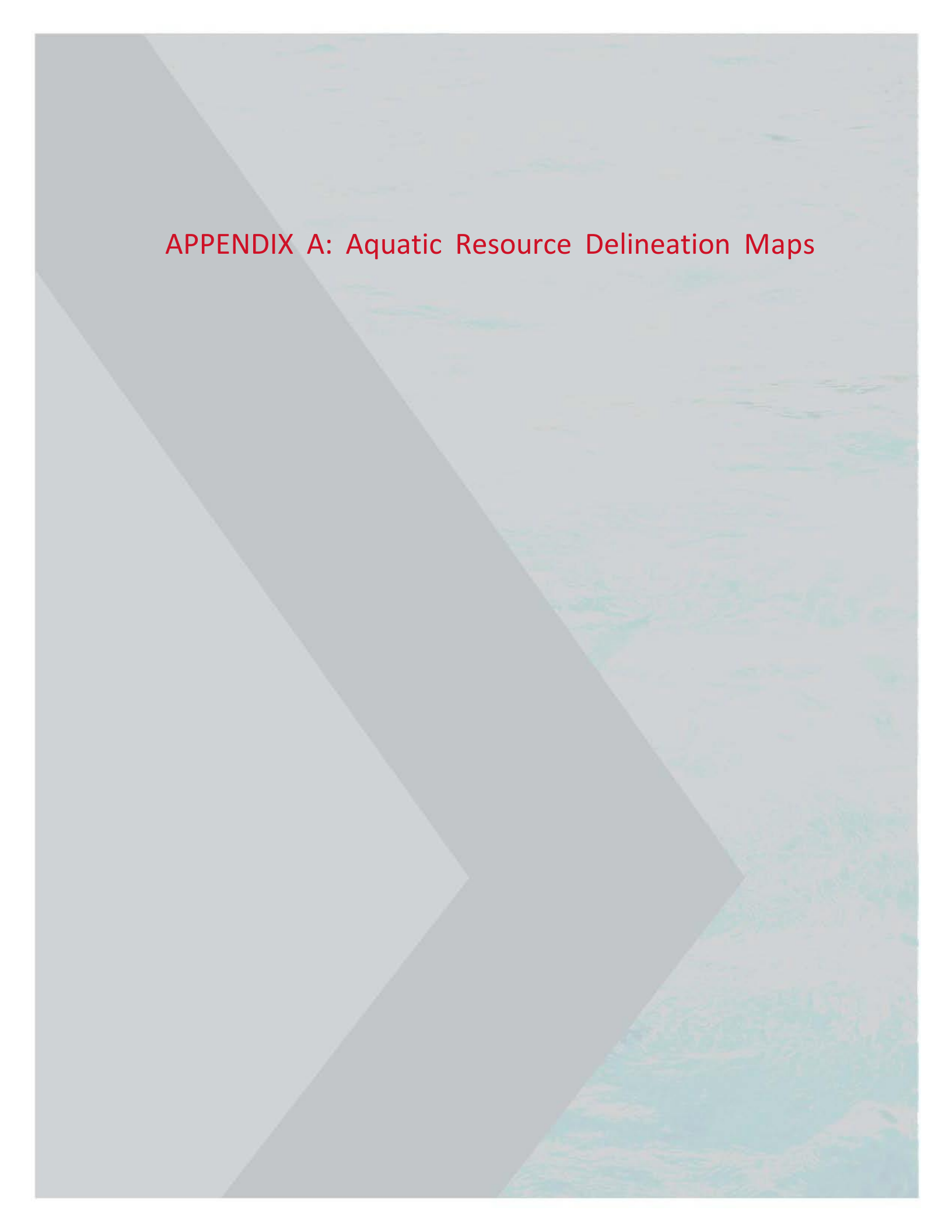
Eleven wetlands were delineated within the study area. The aquatic resource features spanned a total of approximately 8.83 acres. Wetlands were more easily visible due to the wetter than normal year. Final determination of jurisdictional aquatic resources is ultimately the decision of USACE. All necessary permits shall be acquired if any delineated wetlands are determined to be jurisdictional by USACE and would be affected by the proposed project.

VI. References

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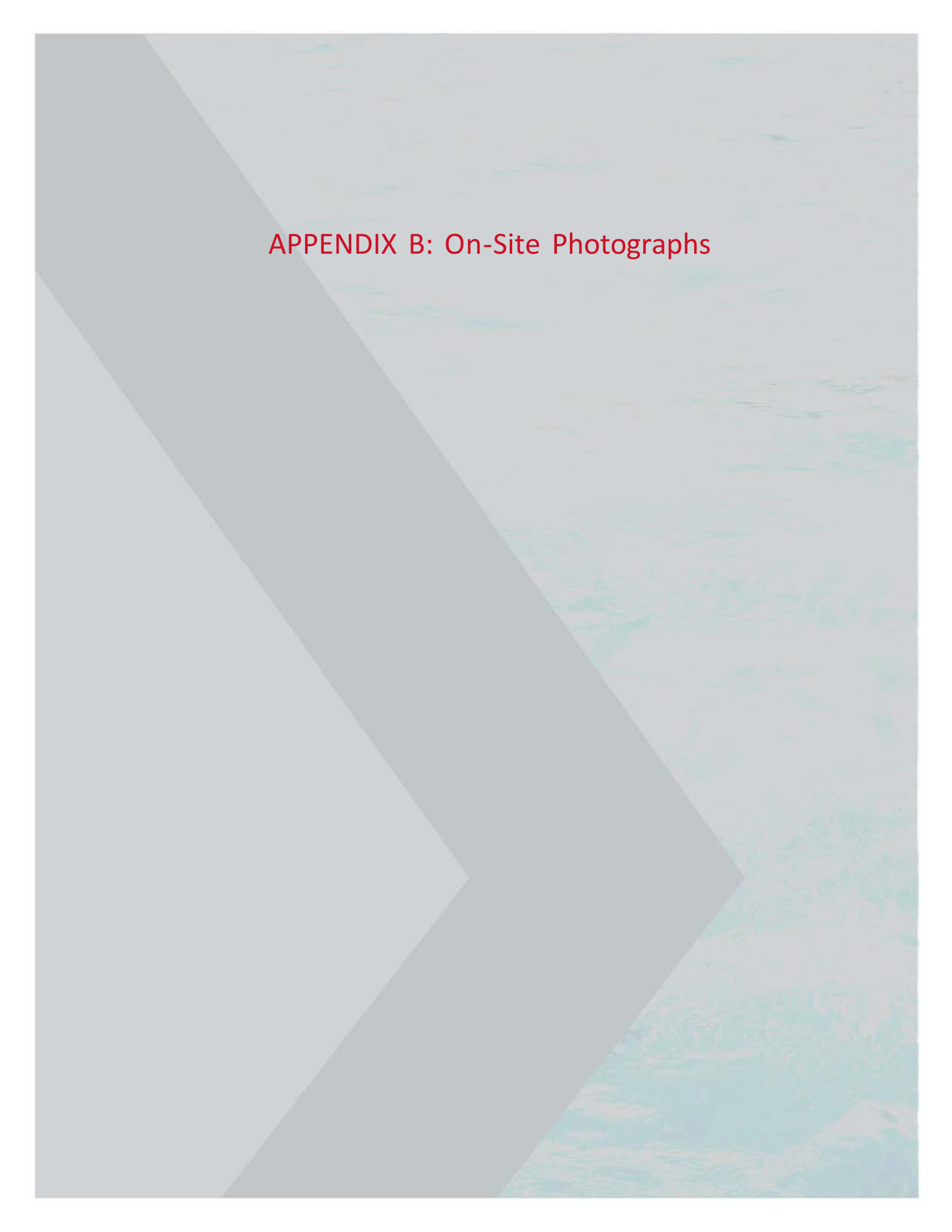
VII. Delineators' Credentials

TOM NAAS	
Education:	› University of North Dakota – BS Fisheries and Wildlife Biology
Certifications:	› Minnesota Wetland Delineator Certification Program: Delineator In-Training Certification
Training:	› Minnesota Wetland Delineator Certification Program: 5-Day Basic Wetland Delineation Course – University of Minnesota; Wetland Mitigation in Minnesota (June 2014)
Professional Memberships:	› National Association of Environmental Professionals › The Wildlife Society – North Dakota Chapter

The background of the page is a photograph of water with ripples, overlaid with a large, semi-transparent grey 'X' that spans the entire width and height of the image.

APPENDIX A: Aquatic Resource Delineation Maps



The background of the page is a photograph of a body of water, possibly a lake or a wide river, with gentle ripples on its surface. A large, semi-transparent grey 'X' is superimposed over the entire image, extending from the corners towards the center. The text 'APPENDIX B: On-Site Photographs' is centered horizontally and vertically in a red, sans-serif font.

APPENDIX B: On-Site Photographs



Photo Point 1: View of Wetland 2

Direction: Northwest



Photo Point 1: View of study area at Wetland 1

Direction: South

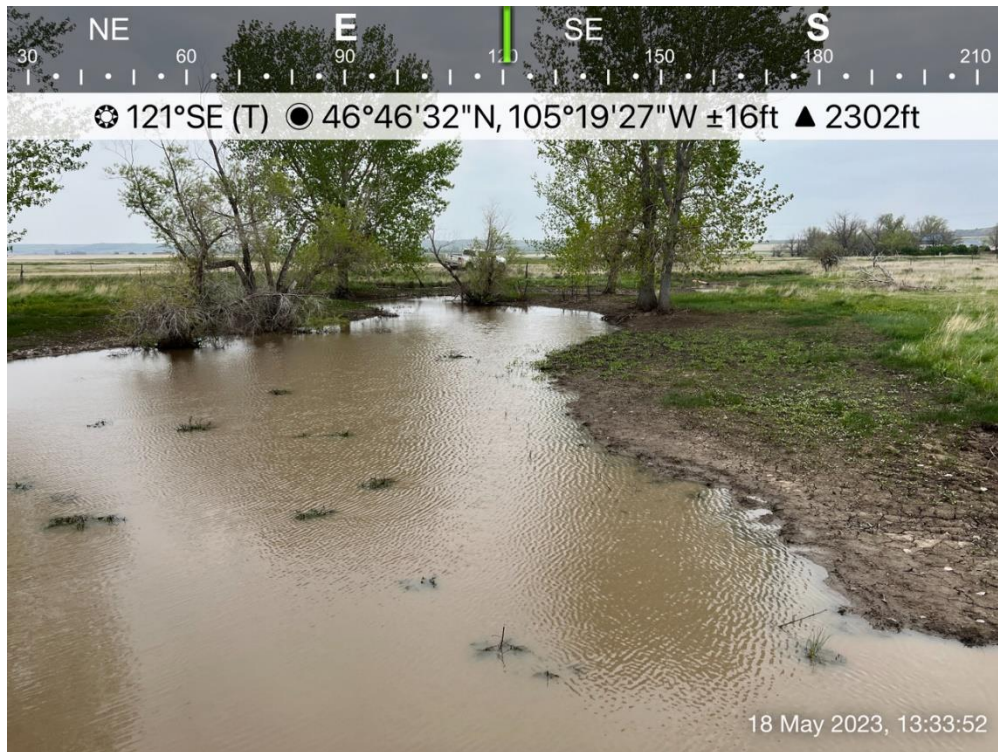


Photo Point 2: View of Wetland 2

Direction: Southeast

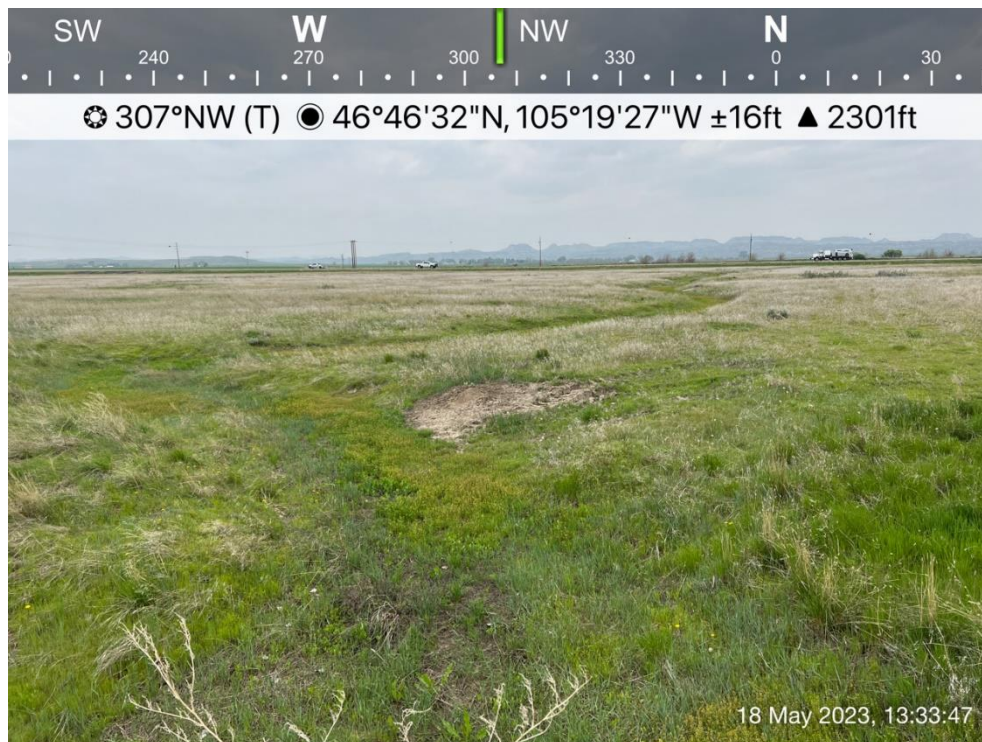


Photo Point 2: View of study area at Wetland 3

Direction: Northwest

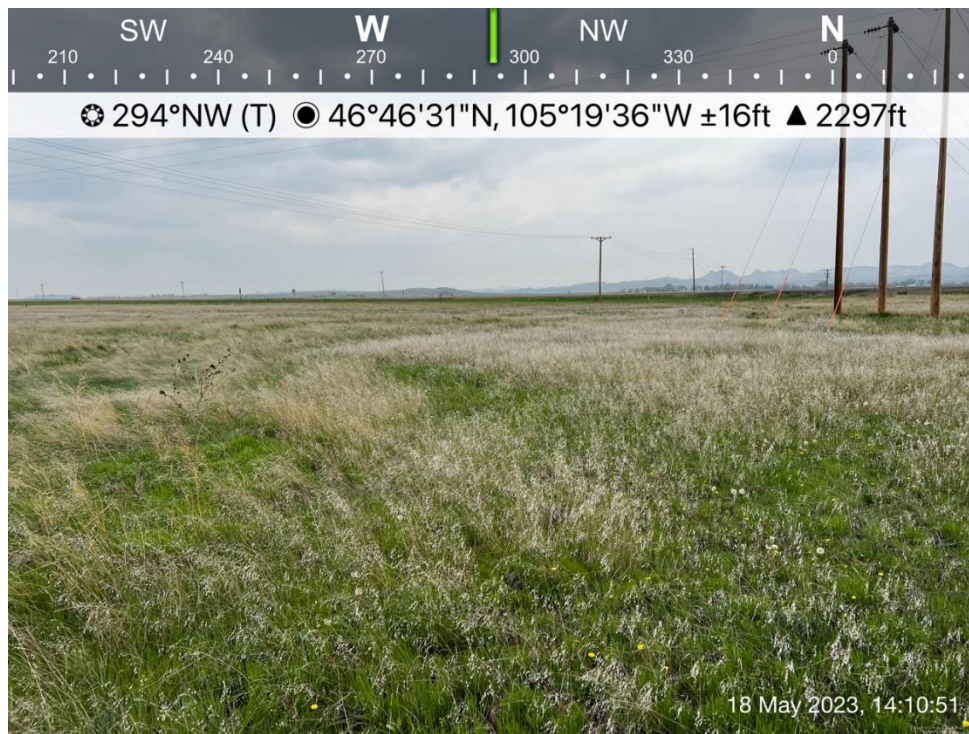


Photo Point 3: View of the study area at UP8.

Direction: West Northwest



Photo Point 3: View of the study area at UP8.

Direction: Southeast



Photo Point 4: View of the study area at UP10.

Direction: South



Photo Point 4: View of the study area at UP10.

Direction: North



Photo Point 8: View of study area at Wetland 4

Direction: North



Photo Point 8: View of study area at Wetland 4

Direction: East



Photo Point 11: View at UP14.

Direction: North



Photo Point 12: View of study area at UP16.

Direction: South

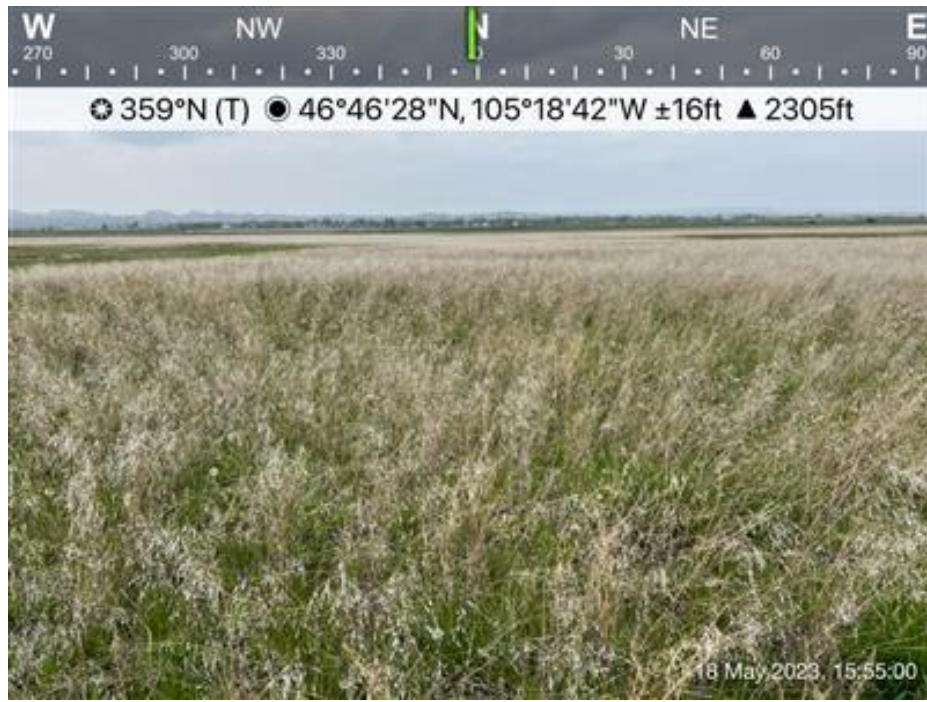


Photo Point 12: View of study area at UP16.

Direction: North



Photo Point 15: View of the study area at UP18.

Direction: Northwest



Photo Point 18: View of study area at Wetland 5

Direction: East



Photo Point 23: View of study area at Wetland 7.

Direction: East



Photo Point 22: View of study area at Wetland 6

Direction: East northeast



Photo Point 29: View of study area at UP26.

Direction: East northeast



Photo Point 31: View of study area at Wetland 8

Direction: South southeast



Photo Point 31: View of study area at Ditch 2

Direction: East northeast



Photo Point 31: View of study area at Wetland 8

Direction: Northwest



Photo Point 31: View of study area at Wetland 8

Direction: Southwest



Photo Point 32: View of study area at UP30.

Direction: West



Photo Point 34: View of study area at UP32.

Direction: East



Photo Point 34: View of study area at UP32.

Direction: West



Photo Point 38: View of the study area at Wetland 9

Direction: West



Photo Point 43: View of study area at Wetland 10

Direction: East



Photo Point 6: View of the study area.

Direction: East

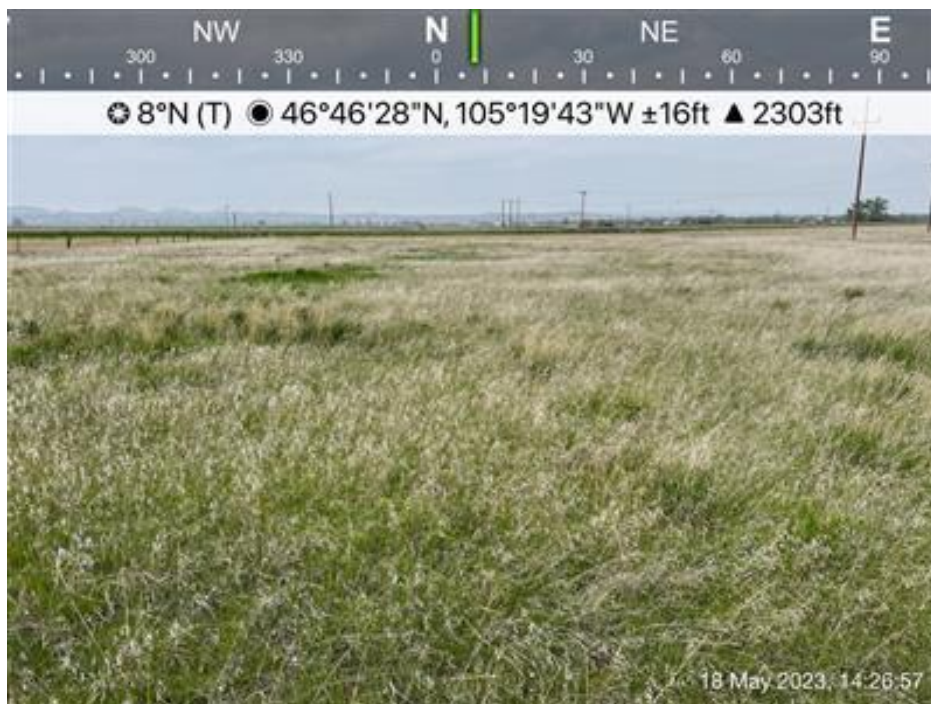


Photo Point 6: View of the study area.

Direction: North



Photo Point 5: View of the study area.

Direction: North



Photo Point 4: View of the study area.

Direction: South

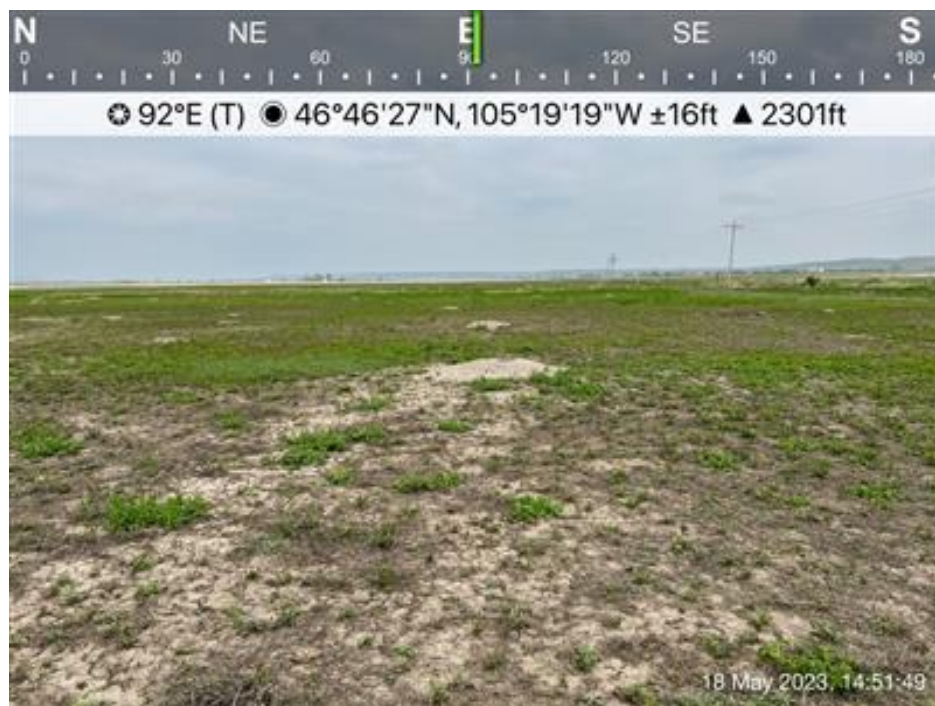


Photo Point 7: View of the study area.

Direction: East



Photo Point 7: View of the study area.

Direction: South



Photo Point 7: View of the study area.

Direction: West



Photo Point 7: View of the study area.

Direction: North



Photo Point 10: View of study area.

Direction: South



Photo Point 10: View of study area.

Direction: East

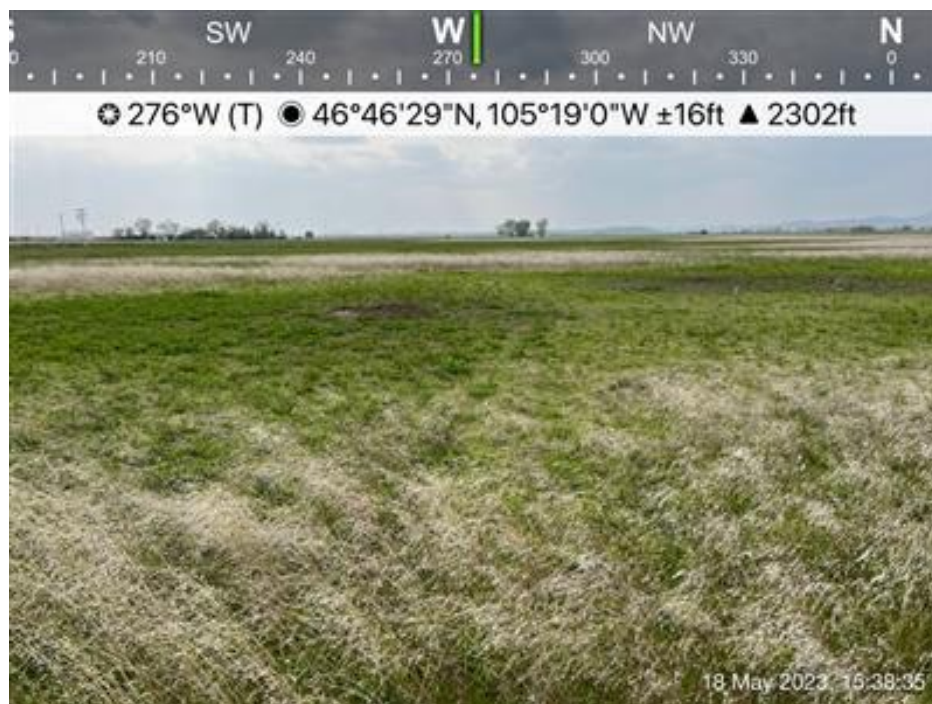


Photo Point 10: View of study area.

Direction: West

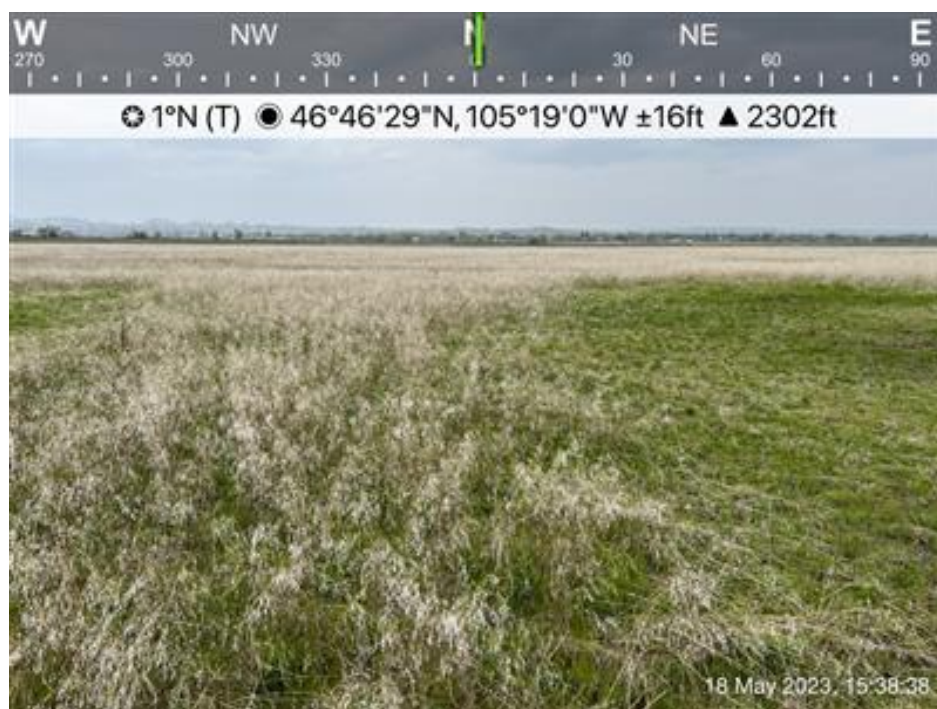


Photo Point 10: View of study area.

Direction: North



Photo Point 9: View of Ditch 1.

Direction: West



Photo Point 21: View of study area.

Direction: West northwest



Photo Point 21: View of study area.

Direction: East



Photo Point 20: View of study area.

Direction: South southeast



Photo Point 20: View of study area.

Direction: North

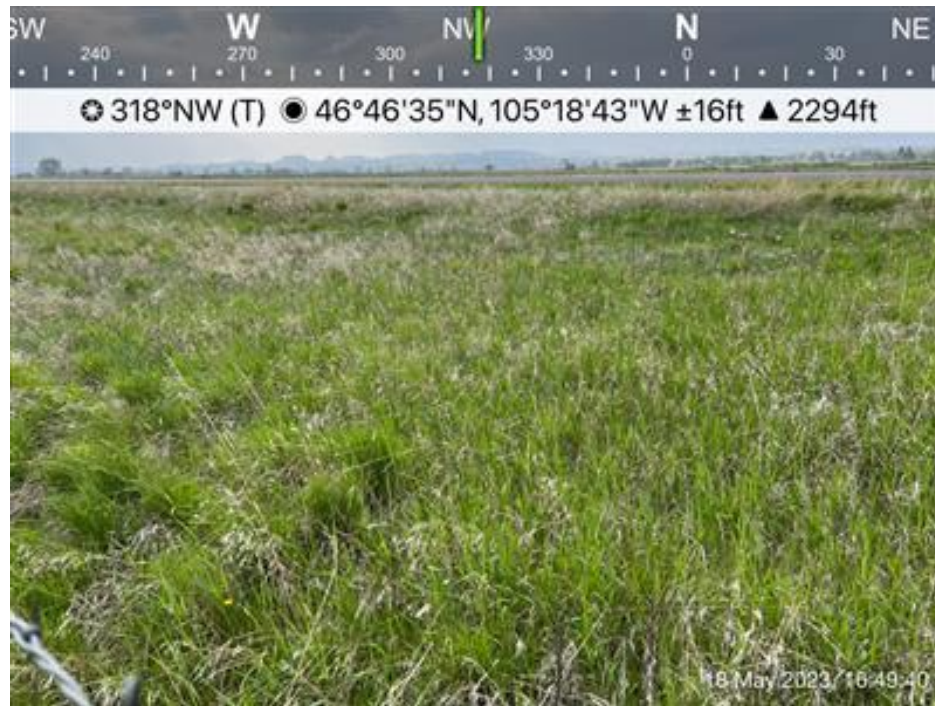


Photo Point 19: View of the study area.

Direction: Northwest

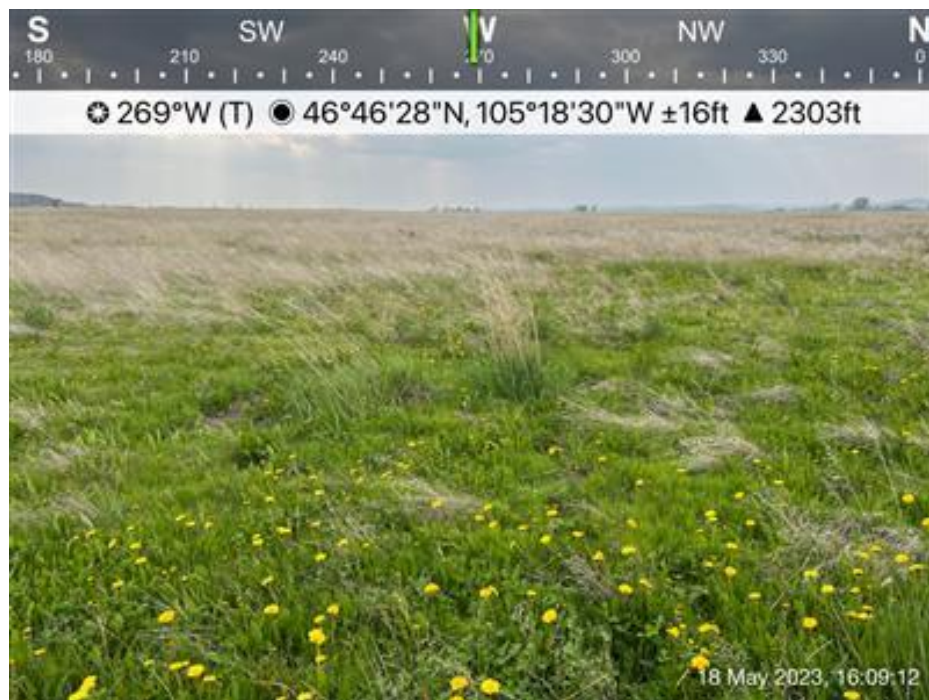


Photo Point 13: View of the study area.

Direction: West

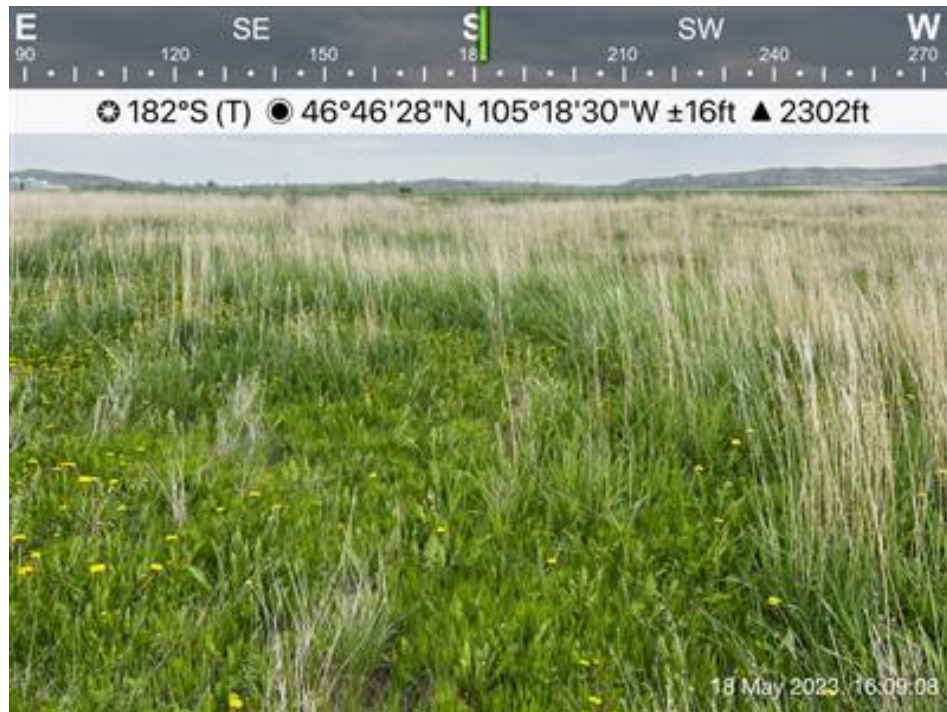


Photo Point 13: View of study area.

Direction: South

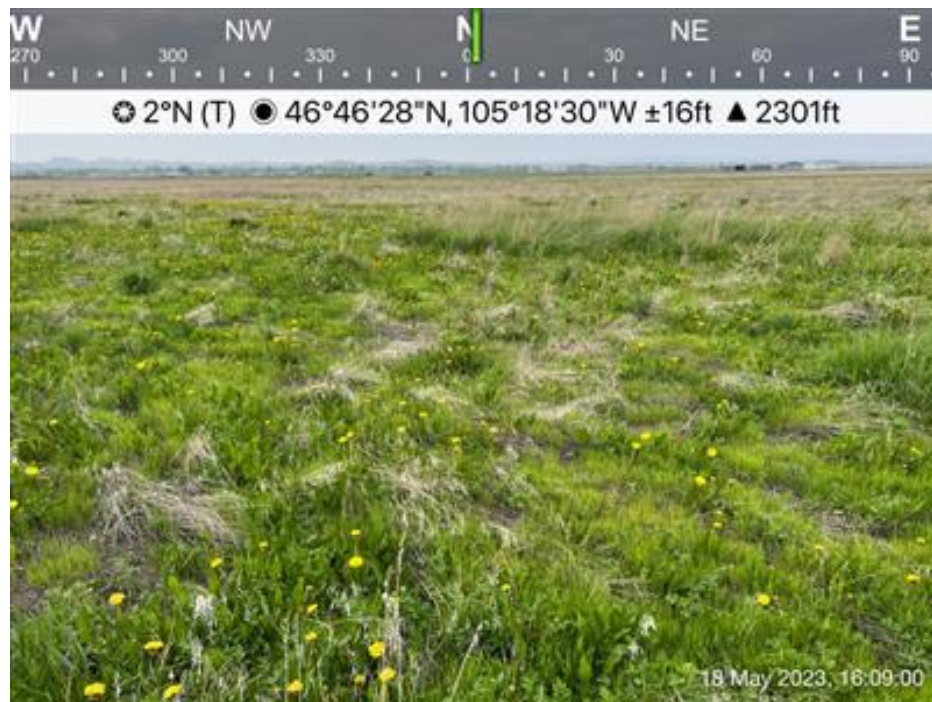


Photo Point 13: View of study area.

Direction: North

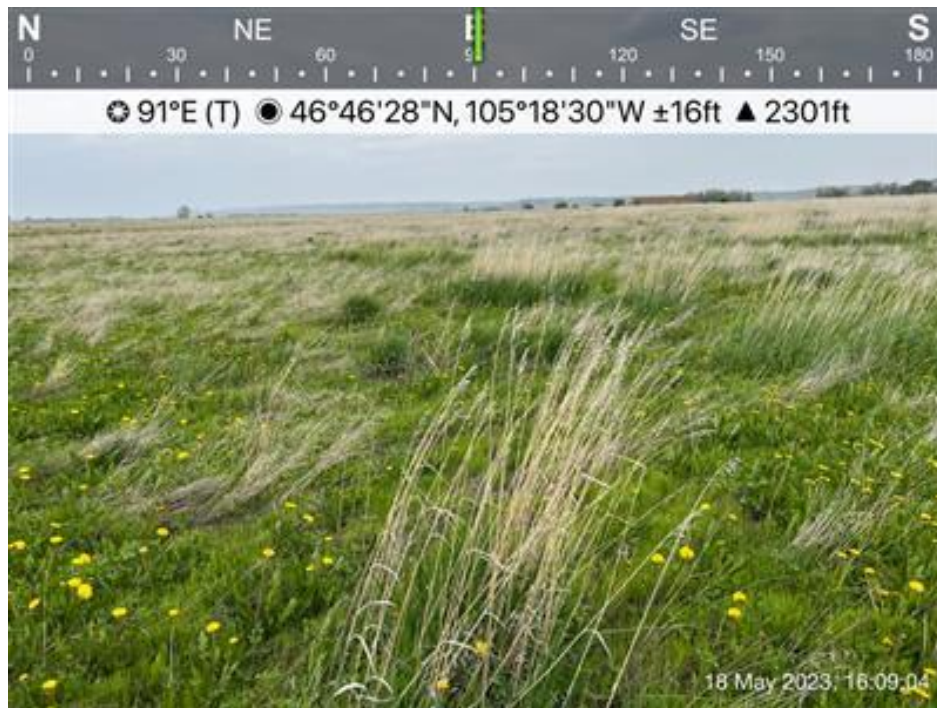


Photo Point 13: View of study area.

Direction: East



Photo Point 17: View of study area.

Direction: West



Photo Point 17: View of study area.

Direction: East



Photo Point 17: View of study area.

Direction: South



Photo Point 14: View of study area.

Direction: South southeast



Photo Point 14: View of study area.

Direction: North



Photo Point 16: View of study area.

Direction: West



Photo Point 16: View of the study area.

Direction: East



Photo Point 16: View of the study area.

Direction: North



Photo Point 16: View of the study area.

Direction: South

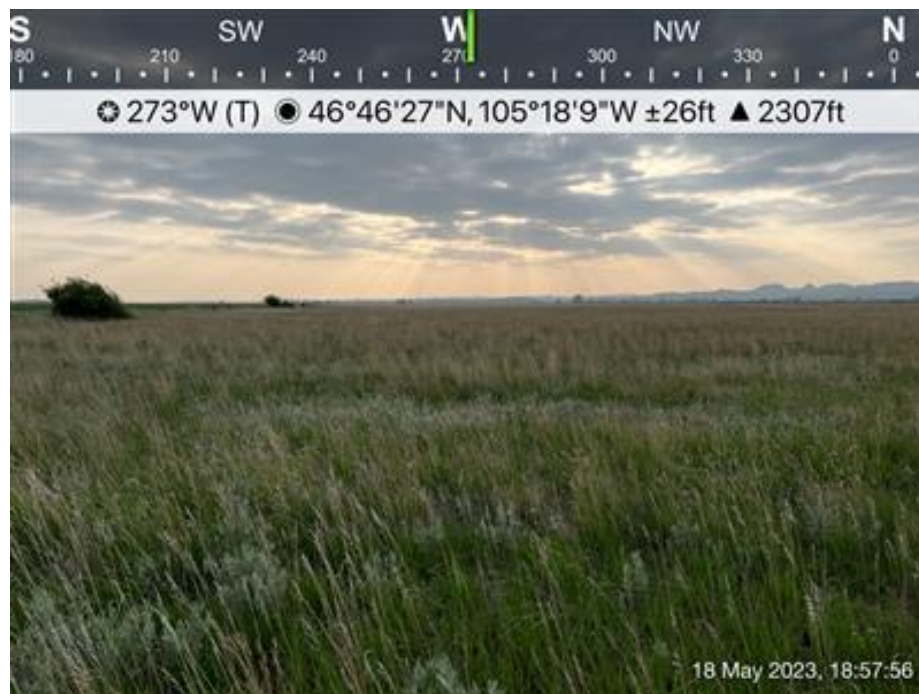


Photo Point 26: View of the study area.

Direction: West



Photo Point 26: View of the study area.

Direction: North northwest



Photo Point 39: View of the study area at Ditch 2

Direction: East



Photo Point 39: View of the study area at Ditch 2

Direction: West northwest

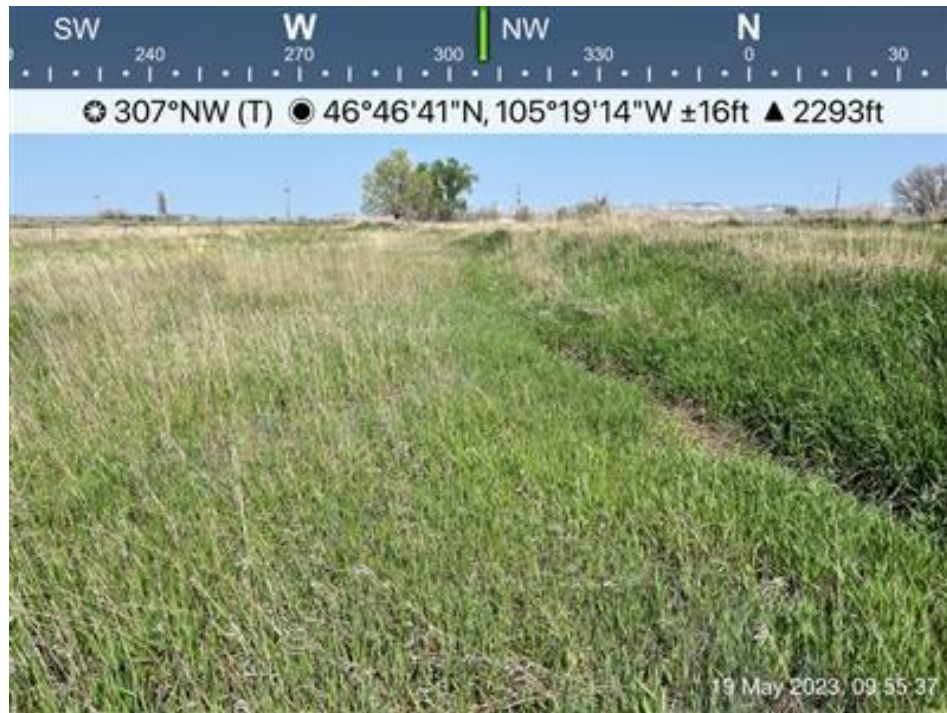


Photo Point 37: View of the study area.

Direction: West northwest



Photo Point 40: View of the study area at Ditch 2

Direction: South



Photo Point 40: View of the study area at Ditch 3

Direction: Northeast



Photo Point 41: View of study area at Ditch 3

Direction: Southwest



Photo Point 41: View of study area at Ditch 3

Direction: Southeast



Photo Point 35: View of study area at Ditch 2

Direction: West southwest



Photo Point 35: View of study area Ditch 2.

Direction: East



Photo Point 36: View of the study area at Ditch 3.

Direction: East



Photo Point 36: View of study area Ditch 3.

Direction: West northwest



Photo Point 33: View of study area Ditch 2.

Direction: East southeast



Photo Point 33: View of study area.

Direction: West



Photo Point 30: View of study area.

Direction: West



Photo Point 30: View of study area.

Direction: East northeast



Photo Point 42: View of study area.

Direction: East



Photo Point 42: View of study area.

Direction: West



Photo Point 28: View of the study area.

Direction: East



Photo Point 28: View of the study area.

Direction: South



Photo Point 28: View of the study area.

Direction: West



Photo Point 28: View of the study area.

Direction: North



Photo Point 27: View of study area.

Direction: East



Photo Point 27: View of study area.

Direction: West southwest



Photo Point 44: View of study area.

Direction: West



Photo Point 44: View of study area.

Direction: East

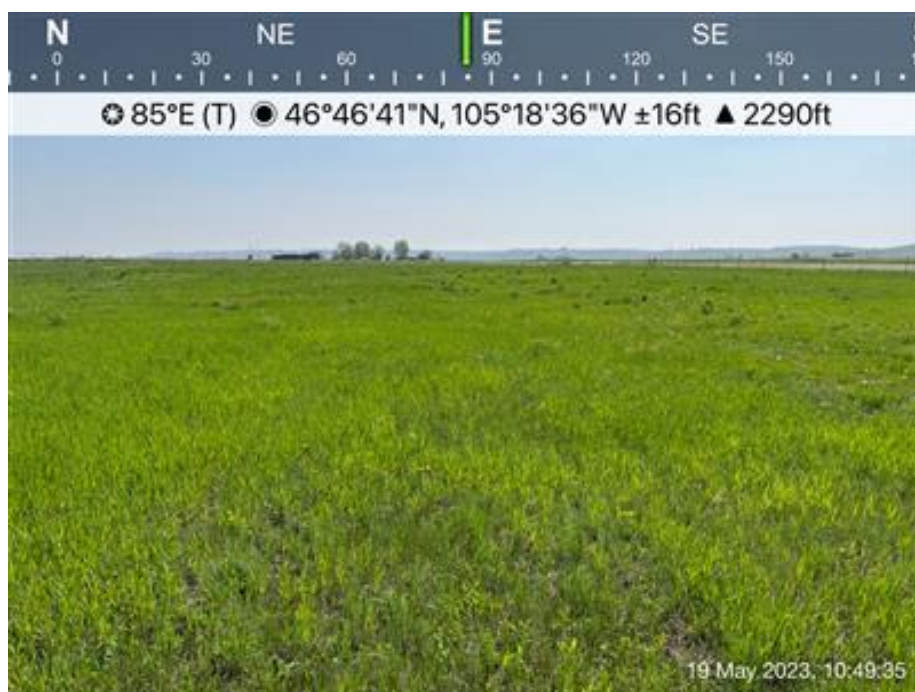


Photo Point 45: View of study area.

Direction: East



Photo Point 45: View of study area.

Direction: North northwest



Photo Point 45: View of study area.

Direction: West



Photo Point 45: View of study area.

Direction: South



Photo Point 46: View of study area.

Direction: North



Photo Point 46: View of study area.

Direction: East



Photo Point 46: View of study area.

Direction: South



Photo Point 46: View of study area.

Direction: West



Photo Point 47: View of study area.

Direction: West northwest



Photo Point 47: View of study area.

Direction: East



Photo Point 25: View of study area at Wetland 11

Direction: East northeast



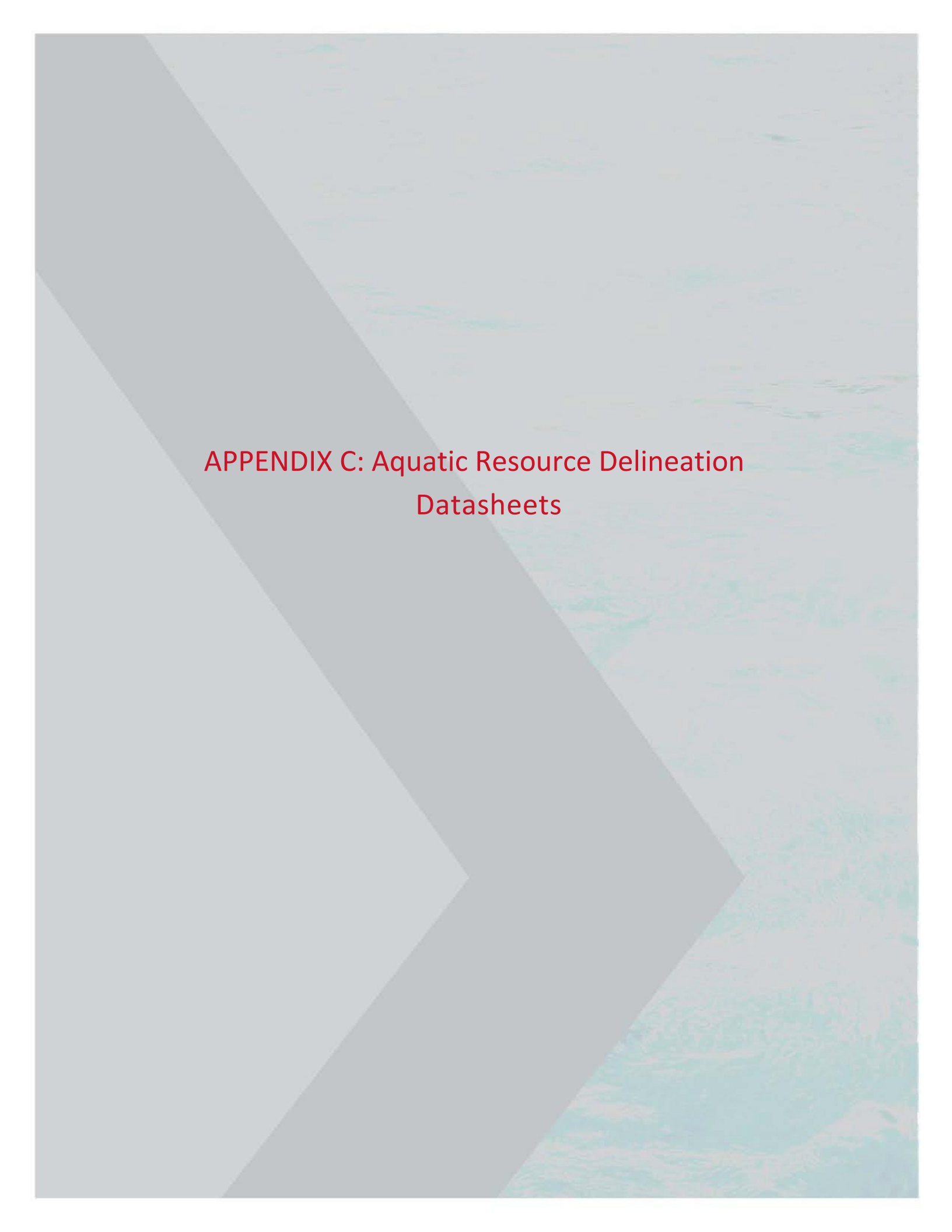
Photo Point 24: View of study area at Ditch 2

Direction: East



Photo Point 24: View of study area at Ditch 2

Direction: West



APPENDIX C: Aquatic Resource Delineation Datasheets

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>1</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditch</u>	Local relief (concave, convex, none): <u>Concave</u>	Slope (%): <u>0-2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.775178</u>	Long: <u>-105.323525</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>PEMEX</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>x</u> No _____
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)																
2. _____																					
3. _____																					
4. _____																					
=Total Cover																					
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>25</u></td> <td>x 1 = <u>25</u></td> </tr> <tr> <td>FACW species <u>20</u></td> <td>x 2 = <u>40</u></td> </tr> <tr> <td>FAC species <u>20</u></td> <td>x 3 = <u>60</u></td> </tr> <tr> <td>FACU species <u>15</u></td> <td>x 4 = <u>60</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>80</u> (A)</td> <td><u>185</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.31</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>25</u>	x 1 = <u>25</u>	FACW species <u>20</u>	x 2 = <u>40</u>	FAC species <u>20</u>	x 3 = <u>60</u>	FACU species <u>15</u>	x 4 = <u>60</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>80</u> (A)	<u>185</u> (B)	Prevalence Index = B/A = <u>2.31</u>	
Total % Cover of:	Multiply by:																				
OBL species <u>25</u>	x 1 = <u>25</u>																				
FACW species <u>20</u>	x 2 = <u>40</u>																				
FAC species <u>20</u>	x 3 = <u>60</u>																				
FACU species <u>15</u>	x 4 = <u>60</u>																				
UPL species <u>0</u>	x 5 = <u>0</u>																				
Column Totals: <u>80</u> (A)	<u>185</u> (B)																				
Prevalence Index = B/A = <u>2.31</u>																					
1. _____																					
2. _____																					
3. _____																					
4. _____																					
5. _____																					
=Total Cover																					
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
1. <u>Eleocharis palustris</u>		<u>25</u>	<u>Yes</u>	<u>OBL</u>																	
2. <u>Xanthium strumarium</u>		<u>20</u>	<u>Yes</u>	<u>FAC</u>																	
3. <u>Hordeum jubatum</u>		<u>20</u>	<u>Yes</u>	<u>FACW</u>																	
4. <u>Elymus smithii</u>		<u>10</u>	<u>No</u>	<u>FACU</u>																	
5. <u>Chenopodium album</u>		<u>5</u>	<u>No</u>	<u>FACU</u>																	
6. _____																					
7. _____																					
8. _____																					
9. _____																					
10. _____																					
<u>80</u> =Total Cover																					
Woody Vine Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Present? Yes <u>X</u> No _____																
1. _____																					
2. _____																					
=Total Cover																					
% Bare Ground in Herb Stratum <u>10</u>																					

Remarks:

SOIL

Sampling Point: 1

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☒ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: Terry Airport City/County: Prairie Sampling Date: 5-18-2023

Applicant/Owner: Prairie County Airport Authority State: MT Sampling Point: 2

Investigator(s): Tom Naas; KLJ Section, Township, Range: S21, T12N, R51E

Landform (hillside, terrace, etc.): Ditch Local relief (concave, convex, none): Concave Slope (%): 0-2

Subregion (LRR): LRR F Lat: 46.775209 Long: -105.323480 Datum: NAD83

Soil Map Unit Name: _____ NWI classification: PEMEX

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1.					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
2.					
3.					
4.					
		=Total Cover			
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>5</u> x 2 = <u>10</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>0</u> x 4 = <u>0</u> UPL species <u>95</u> x 5 = <u>475</u> Column Totals: <u>100</u> (A) <u>485</u> (B) Prevalence Index = B/A = <u>4.85</u>
1.					
2.					
3.					
4.					
		=Total Cover			
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u>Problematic Hydrophytic Vegetation</u> ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes _____ No <u>X</u>
1.	<u>Agropyron cristatum</u>	<u>65</u>	<u>Yes</u>	<u>UPL</u>	
2.	<u>Bromus tectorum</u>	<u>30</u>	<u>Yes</u>	<u>UPL</u>	
3.	<u>Lysimachia</u>	<u>5</u>	<u>No</u>	<u>FACW</u>	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
		<u>100</u>	=Total Cover		
Woody Vine Stratum	(Plot size: <u>5</u>)				
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum <u>10</u>					
Remarks:					

SOIL

Sampling Point: 2

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>3</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditch</u>	Local relief (concave, convex, none): <u>Concave</u>	Slope (%): <u>0-2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.775297</u>	Long: <u>-105.323633</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>PEMEX</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes x No

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 <u> x </u> No <u> </u> Hydric Soil Present? Yes <u> x </u> No <u> </u> Wetland Hydrology Present? Yes <u> x </u> No <u> </u>	<table style="width: 100%;"> <tr> <td style="width: 60%;">Is the Sampled Area within a Wetland?</td> <td style="width: 40%;">Yes <u> x </u> No <u> </u></td> </tr> </table>	Is the Sampled Area within a Wetland?	Yes <u> x </u> No <u> </u>
Is the Sampled Area within a Wetland?	Yes <u> x </u> No <u> </u>		
Remarks:			

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u> 3 </u> (A) Total Number of Dominant Species Across All Strata: <u> 3 </u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)																
2. _____																					
3. _____																					
4. _____																					
=Total Cover																					
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 60%;">Total % Cover of:</td> <td style="width: 40%;">Multiply by:</td> </tr> <tr> <td>OBL species <u> 25 </u></td> <td>x 1 = <u> 25 </u></td> </tr> <tr> <td>FACW species <u> 20 </u></td> <td>x 2 = <u> 40 </u></td> </tr> <tr> <td>FAC species <u> 20 </u></td> <td>x 3 = <u> 60 </u></td> </tr> <tr> <td>FACU species <u> 15 </u></td> <td>x 4 = <u> 60 </u></td> </tr> <tr> <td>UPL species <u> 0 </u></td> <td>x 5 = <u> 0 </u></td> </tr> <tr> <td>Column Totals: <u> 80 </u> (A)</td> <td><u> 185 </u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u> 2.31 </u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u> 25 </u>	x 1 = <u> 25 </u>	FACW species <u> 20 </u>	x 2 = <u> 40 </u>	FAC species <u> 20 </u>	x 3 = <u> 60 </u>	FACU species <u> 15 </u>	x 4 = <u> 60 </u>	UPL species <u> 0 </u>	x 5 = <u> 0 </u>	Column Totals: <u> 80 </u> (A)	<u> 185 </u> (B)	Prevalence Index = B/A = <u> 2.31 </u>	
Total % Cover of:	Multiply by:																				
OBL species <u> 25 </u>	x 1 = <u> 25 </u>																				
FACW species <u> 20 </u>	x 2 = <u> 40 </u>																				
FAC species <u> 20 </u>	x 3 = <u> 60 </u>																				
FACU species <u> 15 </u>	x 4 = <u> 60 </u>																				
UPL species <u> 0 </u>	x 5 = <u> 0 </u>																				
Column Totals: <u> 80 </u> (A)	<u> 185 </u> (B)																				
Prevalence Index = B/A = <u> 2.31 </u>																					
1. _____																					
2. _____																					
3. _____																					
4. _____																					
5. _____																					
=Total Cover																					
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> X </u> 2 - Dominance Test is >50% <u> X </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
1. <u>Eleocharis palustris</u>		<u>25</u>	<u>Yes</u>	<u>OBL</u>																	
2. <u>Xanthium strumarium</u>		<u>20</u>	<u>Yes</u>	<u>FAC</u>																	
3. <u>Hordeum jubatum</u>		<u>20</u>	<u>Yes</u>	<u>FACW</u>																	
4. <u>Elymus smithii</u>		<u>10</u>	<u>No</u>	<u>FACU</u>																	
5. <u>Chenopodium album</u>		<u>5</u>	<u>No</u>	<u>FACU</u>																	
6. _____																					
7. _____																					
8. _____																					
9. _____																					
10. _____																					
<u>80</u> =Total Cover																					
Woody Vine Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Present? Yes <u> X </u> No <u> </u>																
1. _____																					
2. _____																					
=Total Cover																					
% Bare Ground in Herb Stratum <u> 10 </u>																					

Remarks:

SOIL

Sampling Point: 3

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☒ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>4</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Terrace</u>	Local relief (concave, convex, none): <u>Concave</u>	Slope (%): <u>3</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.775328</u>	Long: <u>-105.323627</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>PEMEX</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
2. _____					
3. _____					
4. _____					
=Total Cover					
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>5</u> x 2 = <u>10</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>0</u> x 4 = <u>0</u> UPL species <u>95</u> x 5 = <u>475</u> Column Totals: <u>100</u> (A) <u>485</u> (B) Prevalence Index = B/A = <u>4.85</u>
1. _____					
2. _____					
3. _____					
4. _____					
=Total Cover					
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Agropyron cristatum</u>		<u>65</u>	<u>Yes</u>	<u>UPL</u>	
2. <u>Bromus tectorum</u>		<u>30</u>	<u>Yes</u>	<u>UPL</u>	
3. <u>Lysimachia</u>		<u>5</u>	<u>No</u>	<u>FACW</u>	
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
<u>100</u> =Total Cover					
Woody Vine Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Present? Yes _____ No <u>X</u>
1. _____					
2. _____					
=Total Cover					
% Bare Ground in Herb Stratum <u>10</u>					

Remarks:

SOIL

Sampling Point: 4

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>5</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Slope</u>	Local relief (concave, convex, none): <u>Concave</u>	Slope (%): <u>0-2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.775756</u>	Long: <u>-105.324448</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>PEMA</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>x</u> No _____
Remarks: Drainage swale	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)																
1. _____																					
2. _____																					
3. _____																					
4. _____																					
		=Total Cover																			
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>75</u></td> <td>x 3 = <u>225</u></td> </tr> <tr> <td>FACU species <u>20</u></td> <td>x 4 = <u>80</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>95</u> (A)</td> <td><u>305</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.21</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>75</u>	x 3 = <u>225</u>	FACU species <u>20</u>	x 4 = <u>80</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>95</u> (A)	<u>305</u> (B)	Prevalence Index = B/A = <u>3.21</u>	
Total % Cover of:	Multiply by:																				
OBL species <u>0</u>	x 1 = <u>0</u>																				
FACW species <u>0</u>	x 2 = <u>0</u>																				
FAC species <u>75</u>	x 3 = <u>225</u>																				
FACU species <u>20</u>	x 4 = <u>80</u>																				
UPL species <u>0</u>	x 5 = <u>0</u>																				
Column Totals: <u>95</u> (A)	<u>305</u> (B)																				
Prevalence Index = B/A = <u>3.21</u>																					
1. _____																					
2. _____																					
3. _____																					
4. _____																					
5. _____																					
		=Total Cover																			
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
1. <u>Lepidium perfoliatum L.</u>		<u>65</u>	<u>Yes</u>	<u>FAC</u>																	
2. <u>Rumex crispus L.</u>		<u>10</u>	<u>No</u>	<u>FAC</u>																	
3. <u>Pascopyrum smithii</u>		<u>15</u>	<u>No</u>	<u>FACU</u>																	
4. <u>Bromus tectorum</u>		<u>5</u>	<u>No</u>	<u>FACU</u>																	
5. _____																					
6. _____																					
7. _____																					
8. _____																					
9. _____																					
10. _____																					
		<u>95</u> =Total Cover																			
Woody Vine Stratum	(Plot size: <u>5</u>)																				
1. _____																					
2. _____																					
		=Total Cover																			
% Bare Ground in Herb Stratum <u>10</u>																					

Remarks:	Hydrophytic Vegetation Present? Yes <u>X</u> No _____
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SOIL

Sampling Point: 5

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>6</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditch slope</u>	Local relief (concave, convex, none): <u>Concave</u>	Slope (%): <u>0-2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.775807</u>	Long: <u>-105.324428</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>PEMEX</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
1. _____					
2. _____					
3. _____					
4. _____					
		=Total Cover			
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>5</u> x 2 = <u>10</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>0</u> x 4 = <u>0</u> UPL species <u>95</u> x 5 = <u>475</u> Column Totals: <u>100</u> (A) <u>485</u> (B) Prevalence Index = B/A = <u>4.85</u>
1. _____					
2. _____					
3. _____					
4. _____					
		=Total Cover			
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Agropyron cristatum</u>		<u>65</u>	<u>Yes</u>	<u>UPL</u>	
2. <u>Bromus tectorum</u>		<u>30</u>	<u>Yes</u>	<u>UPL</u>	
3. <u>Lysimachia</u>		<u>5</u>	<u>No</u>	<u>FACW</u>	
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
		<u>100</u> =Total Cover			
Woody Vine Stratum	(Plot size: <u>5</u>)				
1. _____					
2. _____					
		=Total Cover			
% Bare Ground in Herb Stratum <u>10</u>					
Remarks:					

SOIL

Sampling Point: 6

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>11</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Slope</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.774276</u>	Long: <u>-105.321002</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>PEMb</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>x</u> No _____
Remarks:	

VEGETATION – Use scientific names of plants.

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SOIL

Sampling Point: 11

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☒ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present? Yes ☐ No ☒	Depth (inches):	Wetland Hydrology Present? Yes ☒ No ☐	
Water Table Present? Yes ☐ No ☒	Depth (inches):		
Saturation Present? Yes ☐ No ☒	Depth (inches):		
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>12</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Terrace</u>	Local relief (concave, convex, none): <u>none</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.774283</u>	Long: <u>-105.321150</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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

VEGETATION – Use scientific names of plants.

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FACW species <u>0</u>	x 2 = <u>0</u>																																																																																																																																																																	
FAC species <u>0</u>	x 3 = <u>0</u>																																																																																																																																																																	
FACU species <u>80</u>	x 4 = <u>320</u>																																																																																																																																																																	
UPL species <u>0</u>	x 5 = <u>0</u>																																																																																																																																																																	
Column Totals: <u>80</u> (A)	<u>320</u> (B)																																																																																																																																																																	
Prevalence Index = B/A = <u>4.00</u>																																																																																																																																																																		
Remarks:																																																																																																																																																																		

SOIL

Sampling Point: 12

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>19</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Slope</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.776613</u>	Long: <u>-105.309645</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>PEMA</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1.					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
2.					
3.					
4.					
		=Total Cover			
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>10</u> x 1 = <u>10</u> FACW species <u>50</u> x 2 = <u>100</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>30</u> x 4 = <u>120</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>90</u> (A) <u>230</u> (B) Prevalence Index = B/A = <u>2.56</u>
1.					
2.					
3.					
4.					
		=Total Cover			
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>X</u> <u>2</u> - Dominance Test is >50% <u>X</u> <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1.	<u>Hordeum jubatum</u>	<u>50</u>	<u>Yes</u>	<u>FACW</u>	
2.	<u>Rumex crispus</u>	<u>10</u>	<u>No</u>	<u>FACU</u>	
3.	<u>Beckmannie syzigchne</u>	<u>10</u>	<u>No</u>	<u>OBL</u>	
4.	<u>Pacopyrum smithii</u>	<u>10</u>	<u>No</u>	<u>FACU</u>	
5.	<u>Chenopodium album</u>	<u>10</u>	<u>No</u>	<u>FACU</u>	
6.					
7.					
8.					
9.					
10.					
		<u>90</u>	=Total Cover		
Woody Vine Stratum	(Plot size: <u>5</u>)				
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum <u>10</u>					
Remarks:					

SOIL

Sampling Point: 19

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☒ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

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

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

Tree Stratum	(Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
			=Total Cover	
Sapling/Shrub Stratum	(Plot size: 15)			
1.				
2.				
3.				
4.				
5.				
			=Total Cover	
Herb Stratum	(Plot size: 5)			
1.	<i>Broms inermis</i>	50	Yes	UPL
2.	<i>Agropyron cristatum</i>	10	No	FACU
3.	<i>Bromus tectorum</i>	10	No	FACU
4.				
5.				
6.				
7.				
8.				
9.				
10.				
		70	=Total Cover	
Woody Vine Stratum	(Plot size: 5)			
1.				
2.				
			=Total Cover	
% Bare Ground in Herb Stratum		10		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species 0	x 1 = 0
FACW species 0	x 2 = 0
FAC species 0	x 3 = 0
FACU species 20	x 4 = 80
UPL species 50	x 5 = 250
Column Totals: 70 (A)	330 (B)
Prevalence Index = B/A = 4.71	

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤3.0¹

4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?

Yes	No	X
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Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is $\leq 3.0^1$
- ___ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic
Vegetation
Present? Yes No X

SOIL

Sampling Point: 20

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present? Yes ☐	No ☒	Depth (inches):	Wetland Hydrology Present? Yes ☐ No ☒
Water Table Present? Yes ☐	No ☒	Depth (inches):	
Saturation Present? Yes ☐	No ☒	Depth (inches):	
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>21</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditch</u>	Local relief (concave, convex, none): <u>Cancave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.776867</u>	Long: <u>-105.315031</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>PEMX</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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 <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____
Remarks: Created ditch wetland	

VEGETATION – Use scientific names of plants.

<table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Tree Stratum</th> <th style="text-align: left;">(Plot size: <u>30</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Sapling/Shrub Stratum</th> <th style="text-align: left;">(Plot size: <u>15</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>5.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Herb Stratum</th> <th style="text-align: left;">(Plot size: <u>5</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td><u>Rumex crispus</u></td><td style="text-align: center;">60</td><td style="text-align: center;">Yes</td><td style="text-align: center;">FACW</td></tr> <tr><td>2.</td><td><u>Hordeum jubatum</u></td><td style="text-align: center;">20</td><td style="text-align: center;">Yes</td><td style="text-align: center;">FACW</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>5.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>6.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>7.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>8.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>9.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>10.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td style="text-align: right;">80</td><td colspan="2" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Woody Vine Stratum</th> <th style="text-align: left;">(Plot size: <u>5</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> % Bare Ground in Herb Stratum <u>20</u>	Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	_____	_____	_____	_____	2.	_____	_____	_____	_____	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____			=Total Cover			Sapling/Shrub Stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	_____	_____	_____	_____	2.	_____	_____	_____	_____	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____	5.	_____	_____	_____	_____			=Total Cover			Herb Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	<u>Rumex crispus</u>	60	Yes	FACW	2.	<u>Hordeum jubatum</u>	20	Yes	FACW	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____	5.	_____	_____	_____	_____	6.	_____	_____	_____	_____	7.	_____	_____	_____	_____	8.	_____	_____	_____	_____	9.	_____	_____	_____	_____	10.	_____	_____	_____	_____			80	=Total Cover		Woody Vine Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	_____	_____	_____	_____	2.	_____	_____	_____	_____			=Total Cover			Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B) Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Total % Cover of:</th> <th style="text-align: left;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>80</u></td> <td>x 2 = <u>160</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>80</u> (A)</td> <td><u>160</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.00</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</u> 3 - Prevalence Index is ≤3.0¹ <u> </u> 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes <u>X</u> No _____	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>80</u>	x 2 = <u>160</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>80</u> (A)	<u>160</u> (B)	Prevalence Index = B/A = <u>2.00</u>	
Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																																																																																																																																														
1.	_____	_____	_____	_____																																																																																																																																																														
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Sapling/Shrub Stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																																																																																																																																														
1.	_____	_____	_____	_____																																																																																																																																																														
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3.	_____	_____	_____	_____																																																																																																																																																														
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1.	<u>Rumex crispus</u>	60	Yes	FACW																																																																																																																																																														
2.	<u>Hordeum jubatum</u>	20	Yes	FACW																																																																																																																																																														
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Remarks:																																																																																																																																																																		

SOIL

Sampling Point: 21

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☒ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☒ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>22</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditchslope</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>5</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.776801</u>	Long: <u>-105.315031</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Created ditch wetland	

VEGETATION – Use scientific names of plants.

<table style="width: 100%;"> <tr> <th style="text-align: left;">Tree Stratum</th> <th style="text-align: left;">(Plot size: <u>30</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <th style="text-align: left;">Sapling/Shrub Stratum</th> <th style="text-align: left;">(Plot size: <u>15</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>5.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <th style="text-align: left;">Herb Stratum</th> <th style="text-align: left;">(Plot size: <u>5</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td><u>Bromus inermis</u></td><td style="text-align: center;">100</td><td style="text-align: center;">Yes</td><td style="text-align: center;">UPL</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>5.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>6.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>7.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>8.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>9.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>10.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td style="text-align: center;">100</td><td colspan="2" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <th style="text-align: left;">Woody Vine Stratum</th> <th style="text-align: left;">(Plot size: <u>5</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> % Bare Ground in Herb Stratum <u>20</u>	Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	_____	_____	_____	_____	2.	_____	_____	_____	_____	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____			=Total Cover			Sapling/Shrub Stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	_____	_____	_____	_____	2.	_____	_____	_____	_____	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____	5.	_____	_____	_____	_____			=Total Cover			Herb Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	<u>Bromus inermis</u>	100	Yes	UPL	2.	_____	_____	_____	_____	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____	5.	_____	_____	_____	_____	6.	_____	_____	_____	_____	7.	_____	_____	_____	_____	8.	_____	_____	_____	_____	9.	_____	_____	_____	_____	10.	_____	_____	_____	_____			100	=Total Cover		Woody Vine Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	_____	_____	_____	_____	2.	_____	_____	_____	_____			=Total Cover			Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="text-align: left;">Total % Cover of:</th> <th style="text-align: left;">Multiply by:</th> </tr> <tr><td>OBL species <u>0</u></td><td>x 1 = <u>0</u></td></tr> <tr><td>FACW species <u>0</u></td><td>x 2 = <u>0</u></td></tr> <tr><td>FAC species <u>0</u></td><td>x 3 = <u>0</u></td></tr> <tr><td>FACU species <u>0</u></td><td>x 4 = <u>0</u></td></tr> <tr><td>UPL species <u>100</u></td><td>x 5 = <u>500</u></td></tr> <tr><td>Column Totals: <u>100</u> (A)</td><td><u>500</u> (B)</td></tr> <tr><td colspan="2">Prevalence Index = B/A = <u>5.00</u></td></tr> </table> Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0¹ <u>4</u> - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes _____ No <u>x</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>100</u>	x 5 = <u>500</u>	Column Totals: <u>100</u> (A)	<u>500</u> (B)	Prevalence Index = B/A = <u>5.00</u>	
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SOIL

Sampling Point: 22

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	2.5yr 3/2	100					Loamy/Clayey	
6-12	2.5yr 3/3	100					Loamy/Clayey	more silty clay loam

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 1 cm Muck (A9) (LRR I, J)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Coast Prairie Redox (A16) (LRR F, G, H)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Dark Surface (S7) (LRR G)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ High Plains Depressions (F16)
☐ Stratified Layers (A5) (LRR F)	☐ Loamy Gleyed Matrix (F2)	☐ (LRR H outside of MLRA 72 & 73)
☐ 1 cm Muck (A9) (LRR F, G, H)	☐ Depleted Matrix (F3)	☐ Reduced Vertic (F18)
☐ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)	☐ Very Shallow Dark Surface (F22)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	☐ Other (Explain in Remarks)
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	☐ High Plains Depressions (F16)	³ Indicators of hydrophytic vegetation and
☐ 5 cm Mucky Peat or Peat (S3) (LRR F)	(MLRA 72 & 73 of LRR H)	wetland hydrology must be present,
		unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <u> x </u>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ (where tilled)	
☐ Drift Deposits (B3)	☐ (where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	

Field Observations: Surface Water Present? Yes _____ No <u> x </u> Depth (inches): _____ Water Table Present? Yes _____ No <u> x </u> Depth (inches): _____ Saturation Present? Yes _____ No <u> x </u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u> x </u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>23</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>ditch</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.776915</u>	Long: <u>-105.317037</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>pemax</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	<table style="width: 100%;"> <tr> <td style="text-align: center;">Is the Sampled Area within a Wetland?</td> <td style="text-align: center;">Yes <u>x</u> No _____</td> </tr> </table>	Is the Sampled Area within a Wetland?	Yes <u>x</u> No _____
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Remarks: Created ditch wetland			

VEGETATION – Use scientific names of plants.

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SOIL

Sampling Point: 23

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☒ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☒ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>24</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditchslope</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>5</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.776876</u>	Long: <u>-105.317048</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
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Remarks:
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VEGETATION – Use scientific names of plants.

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Remarks:

SOIL

Sampling Point: 24

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	2.5yr 3/2	100					Loamy/Clayey	
6-12	2.5yr 3/3	100					Loamy/Clayey	more silty clay loam

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 1 cm Muck (A9) (LRR I, J)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Coast Prairie Redox (A16) (LRR F, G, H)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Dark Surface (S7) (LRR G)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ High Plains Depressions (F16)
☐ Stratified Layers (A5) (LRR F)	☐ Loamy Gleyed Matrix (F2)	☐ (LRR H outside of MLRA 72 & 73)
☐ 1 cm Muck (A9) (LRR F, G, H)	☐ Depleted Matrix (F3)	☐ Reduced Vertic (F18)
☐ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)	☐ Very Shallow Dark Surface (F22)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	☐ Other (Explain in Remarks)
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	☐ High Plains Depressions (F16)	³ Indicators of hydrophytic vegetation and
☐ 5 cm Mucky Peat or Peat (S3) (LRR F)	(MLRA 72 & 73 of LRR H)	wetland hydrology must be present,
		unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <u> x </u>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	

Field Observations: Surface Water Present? Yes _____ No <u> x </u> Depth (inches): _____ Water Table Present? Yes _____ No <u> x </u> Depth (inches): _____ Saturation Present? Yes _____ No <u> x </u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u> x </u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-19-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>27</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditch</u>	Local relief (concave, convex, none): <u>Cancave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.778388</u>	Long: <u>-105.314532</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>PEMAX</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____
Remarks: Created ditch wetland	

VEGETATION – Use scientific names of plants.

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SOIL

Sampling Point: 27

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☒ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☒ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-19-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>28</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditchslope</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>5</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.778388</u>	Long: <u>-105.314586</u>
Datum: <u>NAD83</u>		
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
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Remarks:
 Created ditch wetland

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
1. _____					
2. _____					
3. _____					
4. _____					
=Total Cover					
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>0</u> x 4 = <u>0</u> UPL species <u>100</u> x 5 = <u>500</u> Column Totals: <u>100</u> (A) <u>500</u> (B) Prevalence Index = B/A = <u>5.00</u>
1. _____					
2. _____					
3. _____					
4. _____					
5. _____					
=Total Cover					
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Bromus inermis</u>		<u>100</u>	<u>Yes</u>	<u>UPL</u>	
2. _____					
3. _____					
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
<u>100</u> =Total Cover					
Woody Vine Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
1. _____					
2. _____					
=Total Cover					
% Bare Ground in Herb Stratum <u>20</u>					

Remarks:

SOIL

Sampling Point: 28

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	2.5yr 3/2	100					Loamy/Clayey	
6-12	2.5yr 3/3	100					Loamy/Clayey	more silty clay loam

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 1 cm Muck (A9) (LRR I, J)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Coast Prairie Redox (A16) (LRR F, G, H)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Dark Surface (S7) (LRR G)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ High Plains Depressions (F16)
☐ Stratified Layers (A5) (LRR F)	☐ Loamy Gleyed Matrix (F2)	☐ (LRR H outside of MLRA 72 & 73)
☐ 1 cm Muck (A9) (LRR F, G, H)	☐ Depleted Matrix (F3)	☐ Reduced Vertic (F18)
☐ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)	☐ Very Shallow Dark Surface (F22)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	☐ Other (Explain in Remarks)
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	☐ High Plains Depressions (F16)	³ Indicators of hydrophytic vegetation and
☐ 5 cm Mucky Peat or Peat (S3) (LRR F)	(MLRA 72 & 73 of LRR H)	wetland hydrology must be present,
		unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <u> x </u>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	

Field Observations: Surface Water Present? Yes _____ No <u> x </u> Depth (inches): _____ Water Table Present? Yes _____ No <u> x </u> Depth (inches): _____ Saturation Present? Yes _____ No <u> x </u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u> x </u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-19-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>33</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>ditch</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.778998</u>	Long: <u>-105.322051</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>pemax</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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

VEGETATION – Use scientific names of plants.

<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Tree Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>30</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Sapling/Shrub Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>15</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>5. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Herb Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>5</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1. <u>Rumex crispus</u></td><td></td><td style="text-align: center;">25</td><td style="text-align: center;">Yes</td><td style="text-align: center;">FAC</td></tr> <tr><td>2. <u>Hordeum jubatum</u></td><td></td><td style="text-align: center;">20</td><td style="text-align: center;">Yes</td><td style="text-align: center;">FACW</td></tr> <tr><td>3. <u>Xanthium strumarium</u></td><td></td><td style="text-align: center;">20</td><td style="text-align: center;">Yes</td><td style="text-align: center;">FAC</td></tr> <tr><td>4. <u>Elymus smithii</u></td><td></td><td style="text-align: center;">20</td><td style="text-align: center;">Yes</td><td style="text-align: center;">FACU</td></tr> <tr><td>5. <u>Eleocharis palustris</u></td><td></td><td style="text-align: center;">5</td><td style="text-align: center;">No</td><td style="text-align: center;">OBL</td></tr> <tr><td>6. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>7. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>8. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>9. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>10. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="2"></td><td style="text-align: right;">90</td><td colspan="2" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Woody Vine Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>5</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> % Bare Ground in Herb Stratum <u>10</u>	Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1. _____					2. _____					3. _____					4. _____							=Total Cover			Sapling/Shrub Stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1. _____					2. _____					3. _____					4. _____					5. _____							=Total Cover			Herb Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1. <u>Rumex crispus</u>		25	Yes	FAC	2. <u>Hordeum jubatum</u>		20	Yes	FACW	3. <u>Xanthium strumarium</u>		20	Yes	FAC	4. <u>Elymus smithii</u>		20	Yes	FACU	5. <u>Eleocharis palustris</u>		5	No	OBL	6. _____					7. _____					8. _____					9. _____					10. _____							90	=Total Cover		Woody Vine Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1. _____					2. _____							=Total Cover			Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Total % Cover of:</th> <th style="text-align: left; border-bottom: 1px solid black;">Multiply by:</th> </tr> <tr> <td>OBL species <u>5</u></td> <td>x 1 = <u>5</u></td> </tr> <tr> <td>FACW species <u>20</u></td> <td>x 2 = <u>40</u></td> </tr> <tr> <td>FAC species <u>45</u></td> <td>x 3 = <u>135</u></td> </tr> <tr> <td>FACU species <u>20</u></td> <td>x 4 = <u>80</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>90</u> (A)</td> <td><u>260</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.89</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</u> 3 - Prevalence Index is ≤3.0¹ <u> </u> 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes <u>X</u> No _____	Total % Cover of:	Multiply by:	OBL species <u>5</u>	x 1 = <u>5</u>	FACW species <u>20</u>	x 2 = <u>40</u>	FAC species <u>45</u>	x 3 = <u>135</u>	FACU species <u>20</u>	x 4 = <u>80</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>90</u> (A)	<u>260</u> (B)	Prevalence Index = B/A = <u>2.89</u>	
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Woody Vine Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																																																																																																																																														
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OBL species <u>5</u>	x 1 = <u>5</u>																																																																																																																																																																	
FACW species <u>20</u>	x 2 = <u>40</u>																																																																																																																																																																	
FAC species <u>45</u>	x 3 = <u>135</u>																																																																																																																																																																	
FACU species <u>20</u>	x 4 = <u>80</u>																																																																																																																																																																	
UPL species <u>0</u>	x 5 = <u>0</u>																																																																																																																																																																	
Column Totals: <u>90</u> (A)	<u>260</u> (B)																																																																																																																																																																	
Prevalence Index = B/A = <u>2.89</u>																																																																																																																																																																		
Remarks:																																																																																																																																																																		

SOIL

Sampling Point: 33

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-7	2.5yr 3/1	97	7.5yr 3/4	2	C	PL	Loamy/Clayey	
7-16	2.5yr 4/2	97	7.5yr 3/4	2	C	M	Loamy/Clayey	more clay like

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 1 cm Muck (A9) (LRR I, J)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Coast Prairie Redox (A16) (LRR F, G, H)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Dark Surface (S7) (LRR G)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ High Plains Depressions (F16)
☐ Stratified Layers (A5) (LRR F)	☐ Loamy Gleyed Matrix (F2)	☐ (LRR H outside of MLRA 72 & 73)
☐ 1 cm Muck (A9) (LRR F, G, H)	☒ Depleted Matrix (F3)	☐ Reduced Vertic (F18)
☐ Depleted Below Dark Surface (A11)	☒ Redox Dark Surface (F6)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)	☐ Very Shallow Dark Surface (F22)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	☐ Other (Explain in Remarks)
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	☐ High Plains Depressions (F16)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
☐ 5 cm Mucky Peat or Peat (S3) (LRR F)	☐ (MLRA 72 & 73 of LRR H)	

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes ☒ No ☐
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ (where tilled)	
☐ Drift Deposits (B3)	☐ (where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☒ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	

Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): _____ Water Table Present? Yes ☐ No ☒ Depth (inches): _____ Saturation Present? Yes ☐ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes ☒ No ☐
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-19-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>34</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Terrace</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>3</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.778985</u>	Long: <u>-105.322079</u>
Soil Map Unit Name: _____	Datum: <u>NAD83</u>	
Soil NWI classification: <u>upland</u>		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: <u>Upland</u>	

VEGETATION – Use scientific names of plants.

<table style="width: 100%;"> <tr> <th style="text-align: left;"><u>Tree Stratum</u></th> <th style="text-align: left;">(Plot size: <u>30</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <th style="text-align: left;"><u>Sapling/Shrub Stratum</u></th> <th style="text-align: left;">(Plot size: <u>15</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>5.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <th style="text-align: left;"><u>Herb Stratum</u></th> <th style="text-align: left;">(Plot size: <u>5</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1.</td><td><u>Agropyron cristatum</u></td><td style="text-align: center;">80</td><td style="text-align: center;">Yes</td><td style="text-align: center;">UPL</td></tr> <tr><td>2.</td><td><u>Bromus inermis</u></td><td style="text-align: center;">15</td><td style="text-align: center;">No</td><td style="text-align: center;">UPL</td></tr> <tr><td>3.</td><td><u>Artemisia cana</u></td><td style="text-align: center;">5</td><td style="text-align: center;">No</td><td style="text-align: center;">FAC</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>5.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>6.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>7.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>8.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>9.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>10.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td style="text-align: center;">100</td><td colspan="2" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <th style="text-align: left;"><u>Woody Vine Stratum</u></th> <th style="text-align: left;">(Plot size: <u>5</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> % Bare Ground in Herb Stratum <u>10</u>	<u>Tree Stratum</u>	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	_____	_____	_____	_____	2.	_____	_____	_____	_____	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____			=Total Cover			<u>Sapling/Shrub Stratum</u>	(Plot size: <u>15</u>)				1.	_____	_____	_____	_____	2.	_____	_____	_____	_____	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____	5.	_____	_____	_____	_____			=Total Cover			<u>Herb Stratum</u>	(Plot size: <u>5</u>)				1.	<u>Agropyron cristatum</u>	80	Yes	UPL	2.	<u>Bromus inermis</u>	15	No	UPL	3.	<u>Artemisia cana</u>	5	No	FAC	4.	_____	_____	_____	_____	5.	_____	_____	_____	_____	6.	_____	_____	_____	_____	7.	_____	_____	_____	_____	8.	_____	_____	_____	_____	9.	_____	_____	_____	_____	10.	_____	_____	_____	_____			100	=Total Cover		<u>Woody Vine Stratum</u>	(Plot size: <u>5</u>)				1.	_____	_____	_____	_____	2.	_____	_____	_____	_____			=Total Cover			Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="text-align: left;">Total % Cover of:</th> <th style="text-align: left;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>95</u></td> <td>x 5 = <u>475</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>490</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>4.90</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0¹ <u> </u> 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes _____ No <u>x</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>5</u>	x 3 = <u>15</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>95</u>	x 5 = <u>475</u>	Column Totals: <u>100</u> (A)	<u>490</u> (B)	Prevalence Index = B/A = <u>4.90</u>	
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SOIL

Sampling Point: 34

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-5	2.5yr 3/2	100					Loamy/Clayey	
5-12	2.5yr 3/3	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 1 cm Muck (A9) (LRR I, J)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Coast Prairie Redox (A16) (LRR F, G, H)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Dark Surface (S7) (LRR G)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ High Plains Depressions (F16)
☐ Stratified Layers (A5) (LRR F)	☐ Loamy Gleyed Matrix (F2)	☐ (LRR H outside of MLRA 72 & 73)
☐ 1 cm Muck (A9) (LRR F, G, H)	☐ Depleted Matrix (F3)	☐ Reduced Vertic (F18)
☐ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)	☐ Very Shallow Dark Surface (F22)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	☐ Other (Explain in Remarks)
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	☐ High Plains Depressions (F16)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
☐ 5 cm Mucky Peat or Peat (S3) (LRR F)	☐ (MLRA 72 & 73 of LRR H)	

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <u> x </u>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ (where tilled)	
☐ Drift Deposits (B3)	☐ (where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	

Field Observations: Surface Water Present? Yes _____ No <u> x </u> Depth (inches): _____ Water Table Present? Yes _____ No <u> x </u> Depth (inches): _____ Saturation Present? Yes _____ No <u> x </u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u> x </u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-19-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>35</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditch</u>	Local relief (concave, convex, none): <u>Cancave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.778062</u>	Long: <u>-105.312940</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>PEMAX</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____
Remarks: Created ditch wetland	

VEGETATION – Use scientific names of plants.

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SOIL

Sampling Point: 35

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☒ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☒ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-19-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>36</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditchslope</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>5</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.778098</u>	Long: <u>-105.312918</u>
Soil Map Unit Name: _____	Datum: <u>NAD83</u>	
Soil NWI classification: <u>upland</u>		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

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

VEGETATION – Use scientific names of plants.

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Remarks:																																																																																																																																																																		

SOIL

Sampling Point: 36

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-19-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>37</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Ditch</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.778461</u>	Long: <u>-105.304529</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>pemax</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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

VEGETATION – Use scientific names of plants.

<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Tree Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>30</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Sapling/Shrub Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>15</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>5. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Herb Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>5</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1. <u>Typha angustifolia</u></td><td></td><td style="text-align: center;">30</td><td style="text-align: center;">Yes</td><td style="text-align: center;">OBL</td></tr> <tr><td>2. <u>Hordeum jubatum</u></td><td></td><td style="text-align: center;">20</td><td style="text-align: center;">Yes</td><td style="text-align: center;">FACW</td></tr> <tr><td>3. <u>Carex sp.</u></td><td></td><td style="text-align: center;">10</td><td style="text-align: center;">No</td><td style="text-align: center;">OBL</td></tr> <tr><td>4. <u>Rumex crispus</u></td><td></td><td style="text-align: center;">10</td><td style="text-align: center;">No</td><td style="text-align: center;">FAC</td></tr> <tr><td>5. <u>Elymus smithii</u></td><td></td><td style="text-align: center;">10</td><td style="text-align: center;">No</td><td style="text-align: center;">FACU</td></tr> <tr><td>6. <u>Taraxacum officinale</u></td><td></td><td style="text-align: center;">10</td><td style="text-align: center;">No</td><td style="text-align: center;">FACU</td></tr> <tr><td>7. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>8. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>9. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>10. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="2"></td><td style="text-align: center;">90</td><td colspan="2" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Woody Vine Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>5</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> % Bare Ground in Herb Stratum <u>20</u>	Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	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Indicator Status	1. _____					2. _____							=Total Cover			Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Total % Cover of:</th> <th style="text-align: left; border-bottom: 1px solid black;">Multiply by:</th> </tr> <tr> <td>OBL species <u>40</u></td> <td>x 1 = <u>40</u></td> </tr> <tr> <td>FACW species <u>20</u></td> <td>x 2 = <u>40</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>20</u></td> <td>x 4 = <u>80</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>90</u> (A)</td> <td><u>190</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.11</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>X</u> <u>2</u> - Dominance Test is >50% <u>X</u> <u>3</u> - Prevalence Index is ≤3.0¹ <u>4</u> - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u>Problematic Hydrophytic Vegetation</u>¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes <u>X</u> No _____	Total % Cover of:	Multiply by:	OBL species <u>40</u>	x 1 = <u>40</u>	FACW species <u>20</u>	x 2 = <u>40</u>	FAC species <u>10</u>	x 3 = <u>30</u>	FACU species <u>20</u>	x 4 = <u>80</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>90</u> (A)	<u>190</u> (B)	Prevalence Index = B/A = <u>2.11</u>	
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SOIL

Sampling Point: 37

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☒ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-19-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>38</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Terrace</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>3</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.778462</u>	Long: <u>-105.304492</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Upland	

VEGETATION – Use scientific names of plants.

<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Tree Stratum</th> <th style="text-align: left;">(Plot size: <u>30</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Sapling/Shrub Stratum</th> <th style="text-align: left;">(Plot size: <u>15</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>5.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Herb Stratum</th> <th style="text-align: left;">(Plot size: <u>5</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td><u>Bromus inermis</u></td><td style="text-align: center;">60</td><td style="text-align: center;">Yes</td><td style="text-align: center;">UPL</td></tr> <tr><td>2.</td><td><u>Poa pratensis</u></td><td style="text-align: center;">40</td><td style="text-align: center;">Yes</td><td style="text-align: center;">UPL</td></tr> <tr><td>3.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>4.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>5.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>6.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>7.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>8.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>9.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>10.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">100 =Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Woody Vine Stratum</th> <th style="text-align: left;">(Plot size: <u>5</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td>2.</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr> <tr><td colspan="2"></td><td colspan="3" style="text-align: right;">=Total Cover</td></tr> </table> % Bare Ground in Herb Stratum _____	Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	_____	_____	_____	_____	2.	_____	_____	_____	_____	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____			=Total Cover			Sapling/Shrub Stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	_____	_____	_____	_____	2.	_____	_____	_____	_____	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____	5.	_____	_____	_____	_____			=Total Cover			Herb Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	<u>Bromus inermis</u>	60	Yes	UPL	2.	<u>Poa pratensis</u>	40	Yes	UPL	3.	_____	_____	_____	_____	4.	_____	_____	_____	_____	5.	_____	_____	_____	_____	6.	_____	_____	_____	_____	7.	_____	_____	_____	_____	8.	_____	_____	_____	_____	9.	_____	_____	_____	_____	10.	_____	_____	_____	_____			100 =Total Cover			Woody Vine Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	_____	_____	_____	_____	2.	_____	_____	_____	_____			=Total Cover			Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Total % Cover of:</th> <th style="text-align: left;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>100</u></td> <td>x 5 = <u>500</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>500</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>5.00</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0¹ <u> </u> 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes _____ No <u>x</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>100</u>	x 5 = <u>500</u>	Column Totals: <u>100</u> (A)	<u>500</u> (B)	Prevalence Index = B/A = <u>5.00</u>	
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SOIL

Sampling Point: 38

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>8</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Swale</u>	Local relief (concave, convex, none): <u>Concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.775423</u>	Long: <u>-105.326792</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Drainage swale	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
2. _____					
3. _____					
4. _____					
=Total Cover					
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>70</u> x 3 = <u>210</u> FACU species <u>20</u> x 4 = <u>80</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>90</u> (A) <u>290</u> (B) Prevalence Index = B/A = <u>3.22</u>
1. _____					
2. _____					
3. _____					
4. _____					
=Total Cover					
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Agropyron cristatum</u>		<u>35</u>	<u>Yes</u>	<u>FAC</u>	
2. <u>Bromus tectorum</u>		<u>35</u>	<u>Yes</u>	<u>FAC</u>	
3. <u>Taraxacum officinale</u>		<u>15</u>	<u>No</u>	<u>FACU</u>	
4. <u>Lepidium perfoliatum L.</u>		<u>5</u>	<u>No</u>	<u>FACU</u>	
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
<u>90</u> =Total Cover					
Woody Vine Stratum	(Plot size: <u>5</u>)				
1. _____					
2. _____					
=Total Cover					
% Bare Ground in Herb Stratum <u>10</u>					

Remarks:	Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
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SOIL

Sampling Point: 8

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒ x	Depth (inches):	
Water Table Present?	Yes ☐ No ☒ x	Depth (inches):	
Saturation Present?	Yes ☐ No ☒ x	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒ x	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>10</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Swale</u>	Local relief (concave, convex, none): <u>Concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.776106</u>	Long: <u>-105.328276</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Drainage swale	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)	
2. _____						
3. _____						
4. _____						
=Total Cover						
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>70</u> x 3 = <u>210</u> FACU species <u>20</u> x 4 = <u>80</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>90</u> (A) <u>290</u> (B) Prevalence Index = B/A = <u>3.22</u>	
1. _____						
2. _____						
3. _____						
4. _____						
5. _____						
=Total Cover						
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1. <u>Agropyron cristatum</u>		<u>35</u>	<u>Yes</u>	<u>FAC</u>		
2. <u>Bromus tectorum</u>		<u>35</u>	<u>Yes</u>	<u>FAC</u>		
3. <u>Taraxacum officinale</u>		<u>15</u>	<u>No</u>	<u>FACU</u>		
4. <u>Allium textile</u>		<u>5</u>	<u>No</u>	<u>FACU</u>		
5. _____						
6. _____						
7. _____						
8. _____						
9. _____						
10. _____						
<u>90</u> =Total Cover						
Woody Vine Stratum	(Plot size: <u>5</u>)					Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
1. _____						
2. _____						
=Total Cover						
% Bare Ground in Herb Stratum		<u>10</u>				

Remarks:

SOIL

Sampling Point: 10

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒ x	Depth (inches):	
Water Table Present?	Yes ☐ No ☒ x	Depth (inches):	
Saturation Present?	Yes ☐ No ☒ x	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒ x	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>14</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Terrace</u>	Local relief (concave, convex, none): <u>convex</u>	Slope (%): <u>1</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.774717</u>	Long: <u>-105.315553</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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

VEGETATION – Use scientific names of plants.

<table style="width: 100%;"> <tr> <td style="width: 30%;"><u>Tree Stratum</u></td> <td style="width: 20%;">(Plot size: <u>30</u>)</td> <td style="width: 10%;">Absolute % Cover</td> <td style="width: 10%;">Dominant Species?</td> <td style="width: 10%;">Indicator Status</td> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <td style="width: 30%;"><u>Sapling/Shrub Stratum</u></td> <td style="width: 20%;">(Plot size: <u>15</u>)</td> <td style="width: 10%;">Absolute % Cover</td> <td style="width: 10%;">Dominant Species?</td> <td style="width: 10%;">Indicator Status</td> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>5. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <td style="width: 30%;"><u>Herb Stratum</u></td> <td style="width: 20%;">(Plot size: <u>5</u>)</td> <td style="width: 10%;">Absolute % Cover</td> <td style="width: 10%;">Dominant Species?</td> <td style="width: 10%;">Indicator Status</td> </tr> <tr><td>1. <u>Bromus tectorum</u></td><td></td><td>60</td><td>Yes</td><td>UPL</td></tr> <tr><td>2. <u>Elymus smithii</u></td><td></td><td>20</td><td>Yes</td><td>FACU</td></tr> <tr><td>3. <u>Rumex crispus</u></td><td></td><td>10</td><td>No</td><td>FAC</td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>5. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>6. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>7. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>8. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>9. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>10. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">90 =Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <td style="width: 30%;"><u>Woody Vine Stratum</u></td> <td style="width: 20%;">(Plot size: <u>5</u>)</td> <td style="width: 10%;">Absolute % Cover</td> <td style="width: 10%;">Dominant Species?</td> <td style="width: 10%;">Indicator Status</td> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">=Total Cover</td></tr> </table> % Bare Ground in Herb Stratum <u>10</u>	<u>Tree Stratum</u>	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1. _____					2. _____					3. _____					4. _____					=Total Cover					<u>Sapling/Shrub Stratum</u>	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1. _____					2. _____					3. _____					4. _____					5. _____					=Total Cover					<u>Herb Stratum</u>	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1. <u>Bromus tectorum</u>		60	Yes	UPL	2. <u>Elymus smithii</u>		20	Yes	FACU	3. <u>Rumex crispus</u>		10	No	FAC	4. _____					5. _____					6. _____					7. _____					8. _____					9. _____					10. _____					90 =Total Cover					<u>Woody Vine Stratum</u>	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1. _____					2. _____					=Total Cover					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>20</u></td> <td>x 4 = <u>80</u></td> </tr> <tr> <td>UPL species <u>60</u></td> <td>x 5 = <u>300</u></td> </tr> <tr> <td>Column Totals: <u>90</u> (A)</td> <td><u>410</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>4.56</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0¹ <u> </u> 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes _____ No <u>X</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>10</u>	x 3 = <u>30</u>	FACU species <u>20</u>	x 4 = <u>80</u>	UPL species <u>60</u>	x 5 = <u>300</u>	Column Totals: <u>90</u> (A)	<u>410</u> (B)	Prevalence Index = B/A = <u>4.56</u>	
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SOIL

Sampling Point: 14

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>16</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Swale</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.774459</u>	Long: <u>-105.311879</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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 _____ No <u>X</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>
---	---

Remarks:
 upland

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
1. _____					
2. _____					
3. _____					
4. _____					
=Total Cover					
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>10</u> x 4 = <u>40</u> UPL species <u>80</u> x 5 = <u>400</u> Column Totals: <u>90</u> (A) <u>440</u> (B) Prevalence Index = B/A = <u>4.89</u>
1. _____					
2. _____					
3. _____					
4. _____					
5. _____					
=Total Cover					
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Bromus tectorum</u>		<u>60</u>	<u>Yes</u>	<u>UPL</u>	
2. <u>Agropyron cristatum</u>		<u>20</u>	<u>Yes</u>	<u>UPL</u>	
3. <u>Taraxacum officinale</u>		<u>10</u>	<u>No</u>	<u>FACU</u>	
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
<u>90</u> =Total Cover					
Woody Vine Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Present? Yes _____ No <u>X</u>
1. _____					
2. _____					
=Total Cover					
% Bare Ground in Herb Stratum		<u>10</u>			

Remarks:

SOIL

Sampling Point: 16

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	2.5yr 3/2	100					Loamy/Clayey	more silty clay like
6-12	2.5yr 3/3	100					Loamy/Clayey	more silty clay like

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 1 cm Muck (A9) (LRR I, J)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Coast Prairie Redox (A16) (LRR F, G, H)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Dark Surface (S7) (LRR G)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ High Plains Depressions (F16)
☐ Stratified Layers (A5) (LRR F)	☐ Loamy Gleyed Matrix (F2)	☐ (LRR H outside of MLRA 72 & 73)
☐ 1 cm Muck (A9) (LRR F, G, H)	☐ Depleted Matrix (F3)	☐ Reduced Vertic (F18)
☐ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)	☐ Very Shallow Dark Surface (F22)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	☐ Other (Explain in Remarks)
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	☐ High Plains Depressions (F16)	³ Indicators of hydrophytic vegetation and
☐ 5 cm Mucky Peat or Peat (S3) (LRR F)	(MLRA 72 & 73 of LRR H)	wetland hydrology must be present,
		unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <u>X</u>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
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☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	

Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-18-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>18</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>Swale</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.774106</u>	Long: <u>-105.306284</u>
Soil Map Unit Name: _____	Datum: <u>NAD83</u>	
Soil NWI classification: <u>upland</u>		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 _____ No <u>X</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>
Remarks: <u>upland swale</u>	

VEGETATION – Use scientific names of plants.

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SOIL

Sampling Point: 18

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☐	Depth (inches):	
Water Table Present?	Yes ☐ No ☐	Depth (inches):	
Saturation Present?	Yes ☐ No ☐	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: Terry Airport City/County: Prairie Sampling Date: 5-19-2023

Applicant/Owner: Prairie County Airport Authority State: MT Sampling Point: 26

Investigator(s): Tom Naas; KLJ Section, Township, Range: S21, T12N, R51E

Landform (hillside, terrace, etc.): swale Local relief (concave, convex, none): concave Slope (%): 2

Subregion (LRR): LRR F Lat: 46.778357 Long: -105.312480 Datum: NAD83

Soil Map Unit Name: _____ NWI classification: upland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Created ditch wetland	

VEGETATION – Use scientific names of plants.

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SOIL

Sampling Point: 26

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-4	2.5yr 3/2	100					Loamy/Clayey	
4-16	2.5yr 4/2	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 1 cm Muck (A9) (LRR I, J)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Coast Prairie Redox (A16) (LRR F, G, H)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Dark Surface (S7) (LRR G)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ High Plains Depressions (F16)
☐ Stratified Layers (A5) (LRR F)	☐ Loamy Gleyed Matrix (F2)	☐ (LRR H outside of MLRA 72 & 73)
☐ 1 cm Muck (A9) (LRR F, G, H)	☐ Depleted Matrix (F3)	☐ Reduced Vertic (F18)
☐ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)	☐ Very Shallow Dark Surface (F22)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	☐ Other (Explain in Remarks)
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	☐ High Plains Depressions (F16)	³ Indicators of hydrophytic vegetation and
☐ 5 cm Mucky Peat or Peat (S3) (LRR F)	(MLRA 72 & 73 of LRR H)	wetland hydrology must be present,
		unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <u>x</u>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	<u>x</u> Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	

Field Observations: Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>x</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>x</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>x</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-19-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>30</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>swale</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.778492</u>	Long: <u>-105.314905</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes x No _____

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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Created ditch wetland	

VEGETATION – Use scientific names of plants.

<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Tree Stratum</th> <th style="text-align: center;">(Plot size: <u>30</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Sapling/Shrub Stratum</th> <th style="text-align: center;">(Plot size: <u>15</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>5. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Herb Stratum</th> <th style="text-align: center;">(Plot size: <u>5</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1. <u>Emyus smithii</u></td><td></td><td style="text-align: center;">55</td><td style="text-align: center;">Yes</td><td style="text-align: center;">FACU</td></tr> <tr><td>2. <u>Bromus inermis</u></td><td></td><td style="text-align: center;">15</td><td style="text-align: center;">No</td><td style="text-align: center;">FACU</td></tr> <tr><td>3. <u>Rumex crispus</u></td><td></td><td style="text-align: center;">5</td><td style="text-align: center;">No</td><td style="text-align: center;">FAC</td></tr> <tr><td>4. <u>Taraxacum officinale</u></td><td></td><td style="text-align: center;">5</td><td style="text-align: center;">No</td><td style="text-align: center;">FACU</td></tr> <tr><td>5. <u>Poa pratensis</u></td><td></td><td style="text-align: center;">10</td><td style="text-align: center;">No</td><td style="text-align: center;">FACU</td></tr> <tr><td>6. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>7. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>8. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>9. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>10. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">90 =Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Woody Vine Stratum</th> <th style="text-align: center;">(Plot size: <u>5</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">=Total Cover</td></tr> </table> % Bare Ground in Herb Stratum <u>10</u>	Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1. _____					2. _____					3. _____					4. _____					=Total Cover					Sapling/Shrub Stratum	(Plot size: <u>15</u>)				1. _____					2. _____					3. _____					4. _____					5. _____					=Total Cover					Herb Stratum	(Plot size: <u>5</u>)				1. <u>Emyus smithii</u>		55	Yes	FACU	2. <u>Bromus inermis</u>		15	No	FACU	3. <u>Rumex crispus</u>		5	No	FAC	4. <u>Taraxacum officinale</u>		5	No	FACU	5. <u>Poa pratensis</u>		10	No	FACU	6. _____					7. _____					8. _____					9. _____					10. _____					90 =Total Cover					Woody Vine Stratum	(Plot size: <u>5</u>)				1. _____					2. _____					=Total Cover					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Total % Cover of:</th> <th style="text-align: left;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>85</u></td> <td>x 4 = <u>340</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>90</u> (A)</td> <td><u>355</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.94</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0¹ <u>4</u> - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes _____ No <u>x</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>5</u>	x 3 = <u>15</u>	FACU species <u>85</u>	x 4 = <u>340</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>90</u> (A)	<u>355</u> (B)	Prevalence Index = B/A = <u>3.94</u>	
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SOIL

Sampling Point: 30

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations:			
Surface Water Present?	Yes ☐ No ☒	Depth (inches):	
Water Table Present?	Yes ☐ No ☒	Depth (inches):	
Saturation Present?	Yes ☐ No ☒	Depth (inches):	
(includes capillary fringe)		Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Great Plains Region See ERDC/EL TR-10-1; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Terry Airport</u>	City/County: <u>Prairie</u>	Sampling Date: <u>5-19-2023</u>
Applicant/Owner: <u>Prairie County Airport Authority</u>	State: <u>MT</u>	Sampling Point: <u>32</u>
Investigator(s): <u>Tom Naas; KLJ</u>	Section, Township, Range: <u>S21, T12N, R51E</u>	
Landform (hillside, terrace, etc.): <u>ditch swale</u>	Local relief (concave, convex, none): <u>concave</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR F</u>	Lat: <u>46.777979</u>	Long: <u>-105.316840</u> Datum: <u>NAD83</u>
Soil Map Unit Name: _____	NW1 classification: <u>upland</u>	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes <u>x</u> No _____ (If no, explain in Remarks.)		
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes <u>x</u> No _____		
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 _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Upland	

VEGETATION – Use scientific names of plants.

<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;"><u>Tree Stratum</u></th> <th style="text-align: center;">(Plot size: <u>30</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;"><u>Sapling/Shrub Stratum</u></th> <th style="text-align: center;">(Plot size: <u>15</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>5. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">=Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;"><u>Herb Stratum</u></th> <th style="text-align: center;">(Plot size: <u>5</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1. <u>Bromus inermis</u></td><td></td><td style="text-align: center;">100</td><td style="text-align: center;">Yes</td><td style="text-align: center;">UPL</td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>5. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>6. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>7. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>8. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>9. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>10. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">100 =Total Cover</td></tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;"><u>Woody Vine Stratum</u></th> <th style="text-align: center;">(Plot size: <u>5</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td><td></td></tr> <tr><td colspan="5" style="text-align: right;">=Total Cover</td></tr> </table> % Bare Ground in Herb Stratum <u>0</u>	<u>Tree Stratum</u>	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1. _____					2. _____					3. _____					4. _____					=Total Cover					<u>Sapling/Shrub Stratum</u>	(Plot size: <u>15</u>)				1. _____					2. _____					3. _____					4. _____					5. _____					=Total Cover					<u>Herb Stratum</u>	(Plot size: <u>5</u>)				1. <u>Bromus inermis</u>		100	Yes	UPL	2. _____					3. _____					4. _____					5. _____					6. _____					7. _____					8. _____					9. _____					10. _____					100 =Total Cover					<u>Woody Vine Stratum</u>	(Plot size: <u>5</u>)				1. _____					2. _____					=Total Cover					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Total % Cover of:</th> <th style="text-align: left;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>100</u></td> <td>x 5 = <u>500</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>500</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>5.00</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0¹ <u> </u> 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes _____ No <u>x</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>100</u>	x 5 = <u>500</u>	Column Totals: <u>100</u> (A)	<u>500</u> (B)	Prevalence Index = B/A = <u>5.00</u>	
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SOIL

Sampling Point: 32

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-9	2.5yr 3/3	100					Loamy/Clayey	more clay like
9-16	2.5yr 4/2	100					Loamy/Clayey	more clay like

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

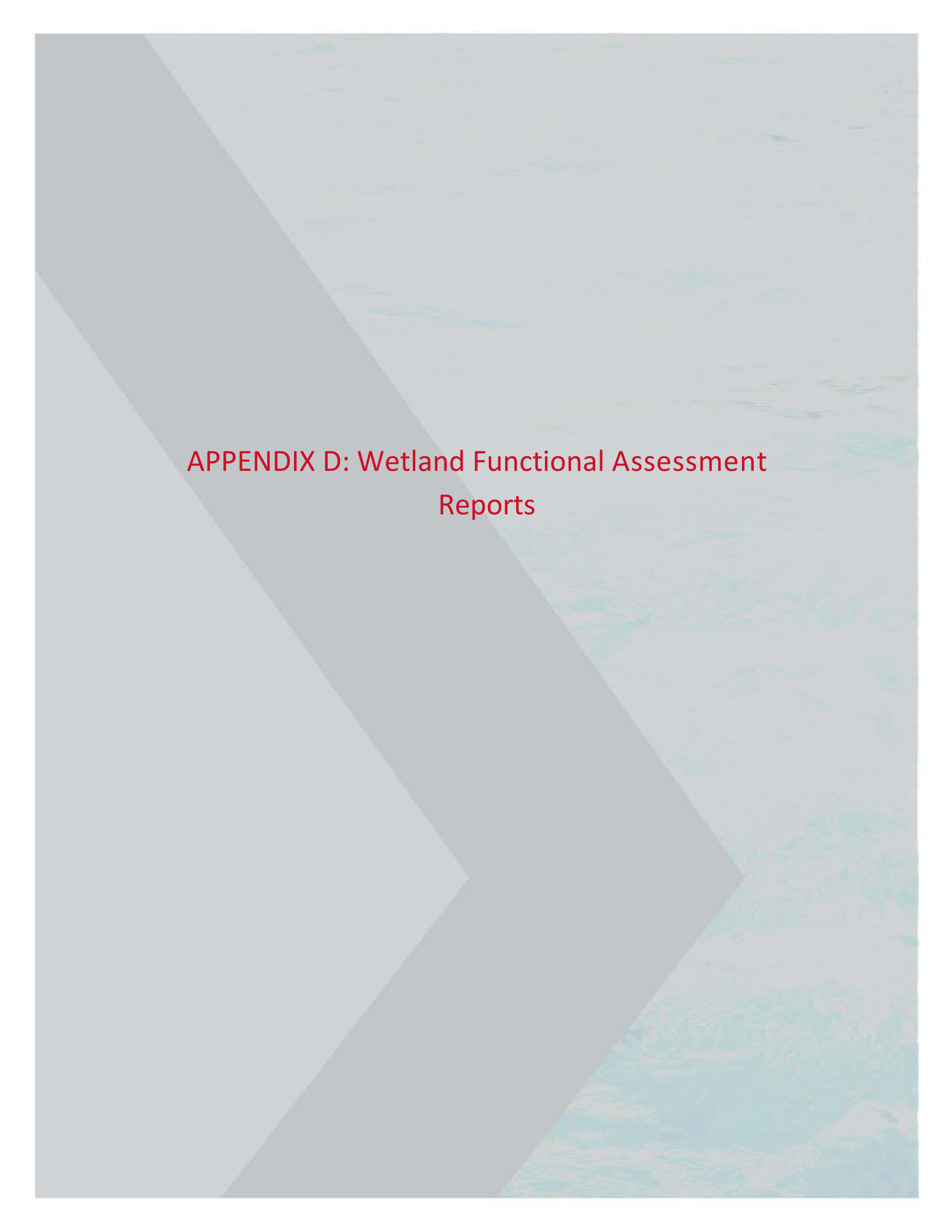
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 1 cm Muck (A9) (LRR I, J)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Coast Prairie Redox (A16) (LRR F, G, H)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Dark Surface (S7) (LRR G)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ High Plains Depressions (F16)
☐ Stratified Layers (A5) (LRR F)	☐ Loamy Gleyed Matrix (F2)	☐ (LRR H outside of MLRA 72 & 73)
☐ 1 cm Muck (A9) (LRR F, G, H)	☐ Depleted Matrix (F3)	☐ Reduced Vertic (F18)
☐ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)	☐ Very Shallow Dark Surface (F22)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	☐ Other (Explain in Remarks)
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	☐ High Plains Depressions (F16)	³ Indicators of hydrophytic vegetation and
☐ 5 cm Mucky Peat or Peat (S3) (LRR F)	(MLRA 72 & 73 of LRR H)	wetland hydrology must be present,
		unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <u> x </u>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Salt Crust (B11)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Invertebrates (B13)	☐ Sparsely Vegetated Concave Surface (B8)	
☐ Saturation (A3)	☐ Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10)	
☐ Water Marks (B1)	☐ Dry-Season Water Table (C2)	☐ Oxidized Rhizospheres on Living Roots (C3)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	(where tilled)	
☐ Drift Deposits (B3)	(where not tilled)	☐ Crayfish Burrows (C8)	
☐ Algal Mat or Crust (B4)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ FAC-Neutral Test (D5)	
☐ Water-Stained Leaves (B9)		☐ Frost-Heave Hummocks (D7) (LRR F)	

Field Observations: Surface Water Present? Yes _____ No <u> x </u> Depth (inches): _____ Water Table Present? Yes _____ No <u> x </u> Depth (inches): _____ Saturation Present? Yes _____ No <u> x </u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u> x </u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	



APPENDIX D: Wetland Functional Assessment Reports

MDT Montana Wetland Assessment Form (revised March 2008)

1. Project Name: Terry Airport 3. Evaluation Date: 05/18/2023 4. Evaluator(s): Tom Naas 6. Wetland Location(s): i. Legal: T12N,R51E,21 ii. Approx. Stationing or Mileposts: iii. Watershed: 15 Watershed Name, County: Lower Yellowstone, Prairie 7. a. Evaluating Agency: KLJ b. Purpose of Evaluation: 1. ☐ Wetlands potentially affected by MDT project 2. ☒ Mitigation wetlands; pre-construction 3. ☐ Mitigation wetlands; post-construction 4. ☐ Other:	2. MDT Project #: 5. Wetlands/Site #(s): Wetland 1, 3, 5, 11, 19, 21, 23, 27, 33, 35, 37 Latitude/Longitude: 46.775297, -105.323633 : Wetland 3 46.775756, -105.324448 : Wetland 5 46.774276, -105.321002 : Wetland 11 46.776613, -105.309645 : Wetland 19 46.776867, -105.315031 : Wetland 21 46.776915, -105.317037 : Wetland 23 46.778388, -105.314532 : Wetland 27 46.778998, -105.322051 : Wetland 33 46.778062, -105.31294 : Wetland 35 46.778461, -105.304529 : Wetland 37 46.775178, -105.323525 : Wetland 1 8. Wetland size: 8.180 acres (measured) 9. Assessment area (AA): 551.640 acres (estimated)
--	---

10. Classification of Wetland and Aquatic Habitats in AA

HGM Class (Brinson)	Class (Cowardin)	Modifier (Cowardin)	Water Regime	% of AA
D	EM	D	TE	2.00
R	EM	E	SI	2.00
R	UB	E	SI	2.00

Abbreviations: (see manual for definitions)

HGM Classes: Riverine (**R**), Depressional (**D**), Slope (**S**), Mineral Soil Flats (**MSF**), Organic Soil Flats (**OSF**), Lacustrine Fringe (**LF**);

Cowardin Classes: Rock Bottom (**RB**), Unconsolidated bottom (**UB**), Aquatic Bed (**AB**), Unconsolidated Shore (**US**), Moss-lichen Wetland (**ML**), Emergent Wetland (**EM**), Scrub-Shrub Wetland (**SS**), Forested Wetland (**FO**)

Modifiers: Excavated (**E**), Impounded (**I**), Diked (**D**), Partly Drained (**PD**), Farmed (**F**), Artificial (**A**)

Water Regimes: Permanent / Perennial (**PP**), Seasonal / Intermittent (**SI**), Temporary / Ephemeral (**TE**)

11. Estimated relative abundance: (of similarly classified sites within the same Major Montana Watershed Basin, see definitions)
COMMON

12. General condition of AA:

i. Disturbance: (use matrix below to determine [circle] appropriate response – see instructions for Montana-listed noxious weed and aquatic nuisance vegetation species (**ANVS**) list)

Conditions within AA	Predominant conditions adjacent to (within 500 feet of) AA		
	Managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or buildings; and noxious weed or ANVS cover is >=15%.	Land not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to minor clearing; contains few roads or buildings; noxious weed or ANVS cover is <= 30%.	Land cultivated or heavily grazed or logged; subject to substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is > 30%.
AA occurs and is managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or occupied buildings; and noxious weed or ANVS cover is <= 15%.	low disturbance	low disturbance	moderate disturbance
AA not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to relatively minor clearing, fill placement, or hydrological alteration; contains few roads or buildings; noxious weed or ANVS cover is <=	moderate disturbance	moderate disturbance	high disturbance
AA cultivated or heavily grazed or logged; subject to relatively substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is > 30%.	high disturbance	high disturbance	high disturbance

Comments: (types of disturbance, intensity, season, etc.): Most of the AA is untouched land. There is a man-made irrigation ditch that runs east-west throughout the AA. Adjacent land use is predominately for agricultural purposes. There is a highway Northwest of the AA as well as a house to the southern end of the AA.

ii. Prominent noxious, aquatic nuisance, & other exotic vegetation species: Perennial pepperweed

iii. Provide brief descriptive summary of AA and surrounding land use/habitat: Adjacent land use is predominately for agricultural purposes. There is a highway Northwest of the AA as well as a house to the southern end of the AA.

13. Structural Diversity: (based on number of "Cowardin" **vegetated** classes present [do not include unvegetated classes], see #10 above)

Existing # of "Cowardin" Vegetated Classes in AA	Initial Rating	Is current management preventing (passive) existence of additional vegetated classes?		Modified Rating
>= 3 (or 2 if 1 is forested) classes	H	NA	NA	NA
2 (or 1 if forested) classes	M	NA	NA	NA
1 class, but not a monoculture	M	<-- NO	YES -->	L
1 class, monoculture (1 species comprises >= 90% of total cover)	L	NA	NA	NA

Comments: There are two classes present within the AA.

SECTION PERTAINING to FUNCTIONS & VALUES ASSESSMENT

14A. Habitat for Federally Listed or Proposed Threatened or Endangered Plants or Animals:

i. AA is Documented (D) or Suspected (S) to contain (circle one based on definitions contained in instructions):

Primary or critical habitat (list species) **Secondary habitat (list species)** **Incidental habitat (list species)**
 Monarch Butterfly(S)

ii. **Rating** (use the conclusions from i above and the matrix below to arrive at [circle] the functional points and rating)

Highest Habitat Level	doc/primary	sus/primary	doc/secondary	sus/secondary	doc/incidental	sus/incidental	None
Functional Points and Rating	1H	.9H	.8M	.7M	.3L	.1L	0L

Sources for documented use (e.g. observations, records, etc): IPaC and MTNHP

14B. Habitat for plant or animals rated S1, S2, or S3 by the Montana Natural Heritage Program: (not including species listed in 14A above)

i. AA is Documented (D) or Suspected (S) to contain (circle one based on definitions contained in instructions): No usable habitat

Primary or critical habitat (list species) **Secondary habitat (list species)** **Incidental habitat (list species)**

ii. **Rating** (use the conclusions from i above and the matrix below to arrive at [circle] the functional points and rating)

Highest Habitat Level	doc/primary	sus/primary	doc/secondary	sus/secondary	doc/incidental	sus/incidental	None
S1 Species: Functional Points and Rating	1H	.8H	.7M	.6M	.2L	.1L	0L
S2 and S3 Species: Functional Points and Rating	.9H	.7M	.6M	.5M	.2L	.1L	0L

Sources for documented use (e.g. observations, records, etc): Come back to this once MTNHP sends info

14C. General Wildlife Habitat Rating:

i. **Evidence of overall wildlife use in the AA** (circle substantial, moderate, or low based on supporting evidence):

Substantial (based on any of the following [check]):

- ☐ observations of abundant wildlife #s or high species diversity (during any period)
- ☐ abundant wildlife sign such as scat, tracks, nest structures, game trails, etc.
- ☐ presence of extremely limiting habitat features not available in the surrounding area
- ☐ interviews with local biologists with knowledge of the AA

Minimal (based on any of the following [check]):

- ☐ few or no wildlife observations during peak use periods
- ☒ little to no wildlife sign
- ☐ sparse adjacent upland food sources
- ☐ interviews with local biologists with knowledge of the AA

Moderate (based on any of the following [check]):

- ☐ observations of scattered wildlife groups or individuals or relatively few species during peak periods
- ☐ common occurrence of wildlife sign such as scat, tracks, nest structures, game trails, etc.
- ☐ adequate adjacent upland food sources
- ☐ interviews with local biologists with knowledge of the AA

ii. **Wildlife habitat features** (Working from top to bottom, circle appropriate AA attributes in matrix to arrive at rating. Structural diversity is from #13. For class cover to be considered evenly distributed, the most and least prevalent vegetated classes must be within 20% of each other interms of their percent composition of the AA (see #10). Abbreviations for surface water durations are as follows: P/P = permanent/perennial; S/I = seasonal/intermittent; T/E = temporary/ephemeral; and A = absent [see instructions for further definitions of these terms])

Structural diversity (see #13)	High								Moderate								Low			
Class cover distribution (all vegetated classes)	Even				Uneven				Even				Uneven				Even			
Duration of surface water in >=10% of AA	P/P	S/I	T/E	A	P/P	S/I	T/E	A	P/P	S/I	T/E	A	P/P	S/I	T/E	A	P/P	S/I	T/E	A
Low disturbance at AA (see #12i)	E	E	E	H	E	E	H	H	E	H	H	M	E	H	M	M	E	H	M	M
Moderate disturbance at AA (see #12i)	H	H	H	H	H	H	H	M	H	H	M	M	H	M	M	L	H	M	L	L
High disturbance at AA (see #12i)	M	M	M	L	M	M	L	L	M	M	L	L	M	L	L	L	L	L	L	L

iii. **Rating** (use the conclusions from i and ii above and the matrix below to arrive at [circle] the functional points and rating)

Evidence of wildlife use (i)	Wildlife habitat features rating (ii)			
	Exceptional	High	Moderate	Moderate
Substantial	1E	.9H	.8H	.7M
Moderate	.9H	.7M	.5M	.3L
Minimal	.6M	.4M	.2L	.1L

Comments: Come back to this

14D. General Fish Habitat Rating: (Assess this function if the AA is used by fish or the existing situation is “correctable” such that the AA could be used by fish [i.e., fish use is precluded by perched culvert or other barrier, etc.]. If the AA is not used by fish, fish use is not restorable due to habitat constraints, or is not desired from a management perspective [such as fish entrapped in a canal], then mark **X NA** and proceed to 14E.)

Type of Fishery: Cold Water (CW) _____ Warm Water (WW) _____ **Use the CW or WW guidelines in the user manual to complete the matrix**

i. Habitat Quality and Known / Suspected Fish Species in AA (use matrix to arrive at [circle] the functional points and rating)

Duration of surface water in AA	Permanent / Perennial						Seasonal / Intermittent						Temporary / Ephemeral					
Aquatic hiding / resting / escape cover	Optimal		Adequate		Poor		Optimal		Adequate		Poor		Optimal		Adequate		Poor	
Thermal cover optimal / suboptimal	O	S	O	S	O	S	O	S	O	S	O	S	O	S	O	S	O	S
FWP Tier I fish species	1E	.9H	.8H	.7M	.6M	.5M	.9H	.8H	.7M	.6M	.5M	.4M	.7M	.6M	.5M	.4M	.3L	.2L
FWP Tier II or Native Game fish species	.9H	.8H	.7M	.6M	.5M	.5M	.8H	.7M	.6M	.5M	.4M	.4M	.6M	.5M	.4M	.3L	.2L	.2L
FWP Tier III or Introduced Game fish	.8H	.7M	.6M	.5M	.5M	.4M	.7M	.6M	.5M	.4M	.4M	.3L	.5M	.4M	.3L	.2L	.2L	.1L
FWP Non-Game Tier IV or No fish species	.5M	.5M	.5M	.4M	.4M	.3L	.4M	.4M	.4M	.3L	.3L	.2L	.2L	.2L	.2L	.1L	.1L	.1L

Sources used for identifying fish sp. potentially found in AA:

ii. Modified Rating (NOTE: Modified score cannot exceed 1 or be less than 0.1)

a) Is fish use of the AA significantly reduced by a culvert, dike, or other man-made structure or activity or is the waterbody included on the current final MDEQ list of waterbodies in need of TMDL development with listed “Probable Impaired Uses” including cold or warm water fishery or aquatic life support, or do aquatic nuisance plant or animal species (see Appendix E) occur in fish habitat? _____ If yes, reduce score in i above by 0.1.

b) Does the AA contain a documented spawning area or other critical habitat feature (i.e., sanctuary pool, upwelling area, etc.- specify in comments) for native fish or introduced game fish? _____ If yes, add 0.1 to the adjusted score in i or iia.

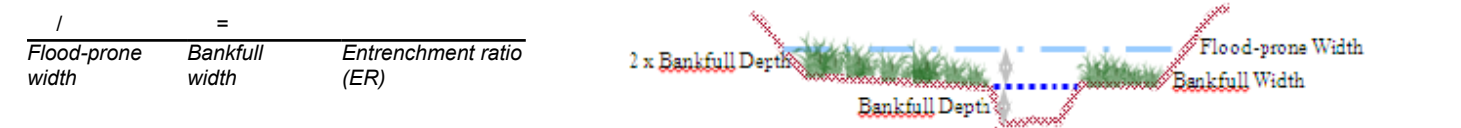
iii. Final Score and Rating: NA **Comments:** N/A

14E. Flood Attenuation: (Applies only to wetlands subject to flooding via in-channel or overbank flow. If wetlands in AA are not flooded from in-channel or overbank flow, mark **X NA** and proceed to 14F.)

i. Rating (working from top to bottom, use the matrix below to arrive at [circle] the functional points and rating)

Estimated or Calculated Entrenchment (Rosgen 1994, 1996)	Slightly entrenched - C, D, E stream types			Moderately entrenched – B stream type			Entrenched-A, F, G stream types		
% of flooded wetland classified as forested and/or scrub/shrub	75%	25-75%	<25%	75%	25-75%	<25%	75%	25-75%	<25%
AA contains no outlet or restricted outlet	1H	.9H	.6M	.8H	.7M	.5M	.4M	.3L	.2L
AA contains unrestricted outlet	.9H	.8H	.5M	.7M	.6M	.4M	.3L	.2L	.1L

Entrenchment ratio (ER) estimation – see User’s Manual for additional guidance. Entrenchment ratio = (flood-prone width)/(bankfull width) Flood-prone width = estimated horizontal projection of where 2 x maximum bankfull depth elevation intersects the floodplain on each side of the stream.



Slightly Entrenched ER = >2.2			Moderately Entrenched ER = 1.41 – 2.2	Entrenched ER = 1.0 – 1.4		
C stream type	D stream type	E stream type	B stream type	A stream type	F stream type	G stream type

ii. Are ≥10 acres of wetland in the AA subject to flooding **AND** are man-made features which may be significantly damaged by floods located within 0.5 mile downstream of the AA (circle)? _____ **Comments:** N/A

14F. Short and Long Term Surface Water Storage: (Applies to wetlands that flood or pond from overbank or in-channel flow, precipitation, upland surface flow, or groundwater flow. If no wetlands in the AA are subject to flooding or ponding, mark NA and proceed to 14G.)

i. Rating (Working from top to bottom, use the matrix below to arrive at [circle] the functional points and rating. Abbreviations for surface water durations are as follows: P/P = permanent/perennial; S/I = seasonal/intermittent; and T/E = temporary/ephemeral [see instructions for further definitions of these terms].)

Estimated maximum acre feet of water contained in wetlands within the AA that are subject to periodic flooding or ponding	>5 acre feet			1.1 to 5 acre feet			<=1 acre foot		
Duration of surface water at wetlands within the AA	P/P	S/I	T/E	P/P	S/I	T/E	P/P	S/I	T/E
Wetlands in AA flood or pond >= 5 out of 10 years	1H	.9H	.8H	.8H	.6M	.5M	.4M	.3L	.2L
Wetlands in AA flood or pond < 5 out of 10 years	.9H	.8H	.7M	.7M	.5M	.4M	.3L	.2L	.1L

Comments: Flooding can cause ponding in areas of the AA.

14G. Sediment/Nutrient/Toxicant Retention and Removal: (Applies to wetlands with potential to receive sediments, nutrients, or toxicants through influx of surface or ground water or direct input. If no wetlands in the AA are subject to such input, mark X NA and proceed to 14H.)

i. Rating (working from top to bottom, use the matrix below to arrive at [circle] the functional points and rating [H=high, M=moderate, or L=low])

Sediment, nutrient, and toxicant input levels within AA	AA receives or surrounding land use with potential to deliver levels of sediments, nutrients, or compounds at levels such that other functions are not substantially impaired. Minor sedimentation, sources of nutrients or toxicants, or signs of eutrophication present.				Waterbody on MDEQ list of waterbodies in need of TMDL development for "probable causes" related to sediment, nutrients, or toxicants or AA receives or surrounding land use with potential to deliver high levels of sediments, nutrients, or compounds such that other functions are substantially impaired. Major sedimentation, sources of nutrients or toxicants, or signs of eutrophication present.				
% cover of wetland vegetation in AA	>= 70%		< 70%		>= 70%		< 70%		
Evidence of flooding / ponding in AA	Yes	No	Yes	No	Yes	No	Yes	No	
AA contains no or restricted outlet	1H	.8H	.7M	.5M	.5M	.4M	.3L	.2L	
AA contains unrestricted outlet	.9H	.7M	.6M	.4M	.4M	.3L	.2L	.1L	

Comments: N/A

14H Sediment/Shoreline Stabilization: (Applies only if AA occurs on or within the banks or a river, stream, or other natural or man-made drainage, or on the shoreline of a standing water body which is subject to wave action. If 14H does not apply, mark X NA and proceed to 14I.)

i. Rating (working from top to bottom, use the matrix below to arrive at [circle] the functional points and rating)

% Cover of wetland streambank or shoreline by species with stability ratings of >=6 (see Appendix F).	Duration of surface water adjacent to rooted vegetation		
	Permanent / Perennial	Seasonal / Intermittent	Temporary / Ephemeral
>= 65%	1H	.9H	.7M
35-64%	.7M	.6M	.5M
35%	.3L	.2L	.1L

Comments: N/A

14I. Production Export/Food Chain Support:

i. Level of Biological Activity (synthesis of wildlife and fish habitat ratings [circle])

General Fish Habitat Rating (14D.iii.)	General Wildlife Habitat Rating (14C.iii.)		
	E/H	M	L
E/H	H	H	M
M	H	M	M
L	M	M	L
N/A	H	M	L

ii. Rating (Working from top to bottom, use the matrix below to arrive at [circle] the functional points and rating. Factor A = acreage of vegetated wetland component in the AA; Factor B = level of biological activity rating from above (14I.i.); Factor C = whether or not the AA contains a surface or subsurface outlet; the final three rows pertain to duration of surface water in the AA, where P/P, S/I, and T/E are as previously defined, and A = "absent" [see instructions for further definitions of these terms].)

A	Vegetated component >5 acres						Vegetated component 1-5 acres						Vegetated component < 1 acre					
B	High		Moderate		Low		High		Moderate		Low		High		Moderate		Low	
C	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
P/P	1H	.7M	.8H	.5M	.6M	.4M	.9H	.6M	.7M	.4M	.5M	.3L	.8H	.6M	.6M	.4M	.3L	.2L
S/I	.9H	.6M	.7M	.4M	.5M	.3L	.8H	.5M	.6M	.3L	.4M	.2L	.7M	.5M	.5M	.3L	.3L	.2L
T/E/A	.8H	.5M	.6M	.3L	.4M	.2L	.7M	.4M	.5M	.2L	.3L	.1L	.6M	.4M	.4M	.2L	.2L	.1L

iii. Modified Rating (NOTE: Modified score cannot exceed 1 or be less than 0.1.) Vegetated Upland Buffer (VUB): Area with >= 30% plant cover, = 15% noxious weed or ANVS cover, and that is not subjected to periodic mechanical mowing or clearing (unless for weed control).

a) Is there an average >= 50 foot-wide vegetated upland buffer around >= 75% of the AA circumference?

X If yes, add 0.1 to the score in ii above.

iv. Final Score and Rating: 0.70M

Comments: Come back to this

14J. Groundwater Discharge/Recharge: (check the appropriate indicators in i & ii below)

i. Discharge Indicators

☐ The AA is a slope wetland

☐ Springs or seeps are known or observed

☐ Vegetation growing during dormant season/drought

☒ Wetland occurs at the toe of a natural slope

☐ AA permanently flooded during drought periods

☐ Wetland contains an outlet, but no inlet

☐ Shallow water table and the site is saturated to the surface

☐ Other:

ii. Recharge Indicators

☐ Permeable substrate present without underlying impeding layer

☒ Wetland contains inlet but no outlet

☐ Stream is a known 'losing' stream; discharge volume decreases

☐ Other:

iii. Rating (use the information from i and ii above and the table below to arrive at [circle] the functional points and rating)

Criteria	Duration of saturation at AA Wetlands FROM GROUNDWATER DISCHARGE OR WITH WATER THAT IS RECHARGING THE GROUNDWATER SYSTEM			
	P/P	S/I	T	None
Groundwater Discharge or Recharge	1H	.7M	.4M	.1L
Insufficient Data/Information	N/A			

Comments: One wetland was identified as being possibly groundwater driven.

14K. Uniqueness:

i. Rating (working from top to bottom, use the matrix below to arrive at [circle] the functional points and rating)

Replacement potential	AA contains fen, bog, warm springs or mature (>80 yr-old) forested wetland or plant association listed as "S1" by the MTNHP			AA does not contain previously cited rare types and structural diversity (#13) is high or contains plant association listed as "S2" by the MTNHP			AA does not contain previously cited rare types or associations and structural diversity (#13) is low-moderate		
Estimated relative abundance (#11)	rare	common	abundant	rare	common	abundant	rare	common	abundant
Low disturbance at AA (#12i)	1H	.9H	.8H	.8H	.6M	.5M	.5M	.4M	.3L
Moderate disturbance at AA (#12i)	.9H	.8H	.7M	.7M	.5M	.4M	.4M	.3L	.2L
High disturbance at AA (#12i)	.8H	.7M	.6M	.6M	.4M	.3L	.3L	.2L	.1L

Comments: COme back to this

14L. Recreation/Education Potential: (affords "bonus" points if AA provides recreation or education opportunity)

i. Is the AA a known or potential rec./ed. site: (circle) ☐ (if 'Yes' continue with the evaluation; if 'No' then mark ☒ **NA** and proceed to the overall summary and rating page)

ii. Check categories that apply to the AA: ☐ Educational/scientific study; ☐ Consumptive rec.; ☐ Non-consumptive rec.; ☐ Other :

iii. Rating:

Known or Potential Recreation or Education Area	Known	Potential
Public ownership or public easement with general public access (no permission required)	.2H	.15H
Private ownership with general public access (no permission required)	.15H	.1M
Private or public ownership without general public access, or requiring permission for public access	.1M	.05L

Comments: N/A

General Site Notes

FUNCTION & VALUE SUMMARY & OVERALL RATING FOR WETLAND/SITE #(S): Wetland 1, 3, 5, 11, 19, 21, 23, 27, 33, 35, 37

Function & Value Variables	Rating	Actual Functional Points	Possible Functional Points	Functional Units: (Actual Points x Wetland Acreage)	Indicate the four most prominent functions with an asterisk (*)
A. Listed/Proposed T&E Species Habitat	L	0.10	1	55.16	*
B. MT Natural Heritage Program Species Habitat	L	0.00	1	0.00	*
C. General Wildlife Habitat	M	0.40	1	220.66	*
D. General Fish Habitat	NA				
E. Flood Attenuation	NA				
F. Short and Long Term Surface Water Storage	L	0.30	1	165.49	
G. Sediment/Nutrient/Toxicant Removal	NA				
H. Sediment/Shoreline Stabilization	NA				
I. Production Export/Food Chain Support	M	0.70	1	386.15	
J. Groundwater Discharge/Recharge	H	1.00	1	551.64	*
K. Uniqueness	L	0.30	1	165.49	
L. Recreation/Education Potential (bonus points)	NA				
Totals:		2.80	7.00	1,544.59	
Percent of Possible Score			40%		

Category I Wetland: (must satisfy one of the following criteria; otherwise go to Category II)

- ☐ Score of 1 functional point for Listed/Proposed Threatened or Endangered Species; **or**
☐ Score of 1 functional point for Uniqueness; **or**
☐ Score of 1 functional point for Flood Attenuation and answer to Question 14E.ii is "yes"; **or**
☐ Percent of possible score > 80% (round to nearest whole #).

Category II Wetland: (Criteria for Category I not satisfied and meets any one of the following criteria; otherwise go to Category IV)

- ☐ Score of 1 functional point for MT Natural Heritage Program Species Habitat; **or**
☐ Score of .9 or 1 functional point for General Wildlife Habitat; **or**
☐ Score of .9 or 1 functional point for General Fish Habitat; **or**
☐ "High" to "Exceptional" ratings for **both** General Wildlife Habitat **and** General Fish/Aquatic Habitat; **or**
☐ Score of .9 functional point for Uniqueness; **or**
☐ Percent of possible score > 65% (round to nearest whole #).

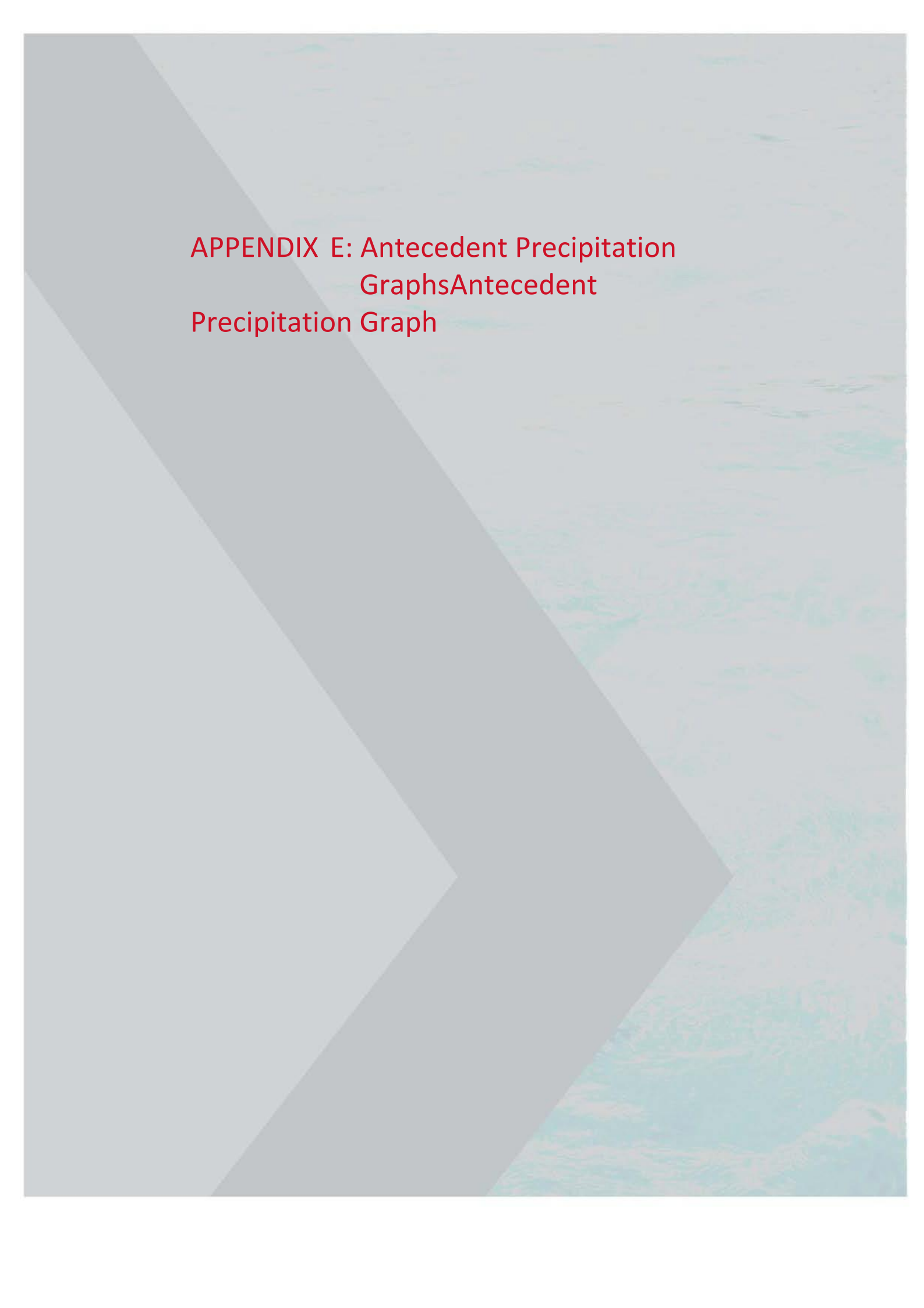
Category III Wetland: (Criteria for Categories I, II, or IV not satisfied)

Category IV Wetland: (Criteria for Categories I or II are not satisfied and all of the following criteria are met; otherwise go to Category III)

- ☒ "Low" rating for Uniqueness; **and**
☐ Vegetated wetland component 1 acre (do not include upland vegetated buffer); **and**
☐ Percent of possible score 35% (round to nearest whole #).

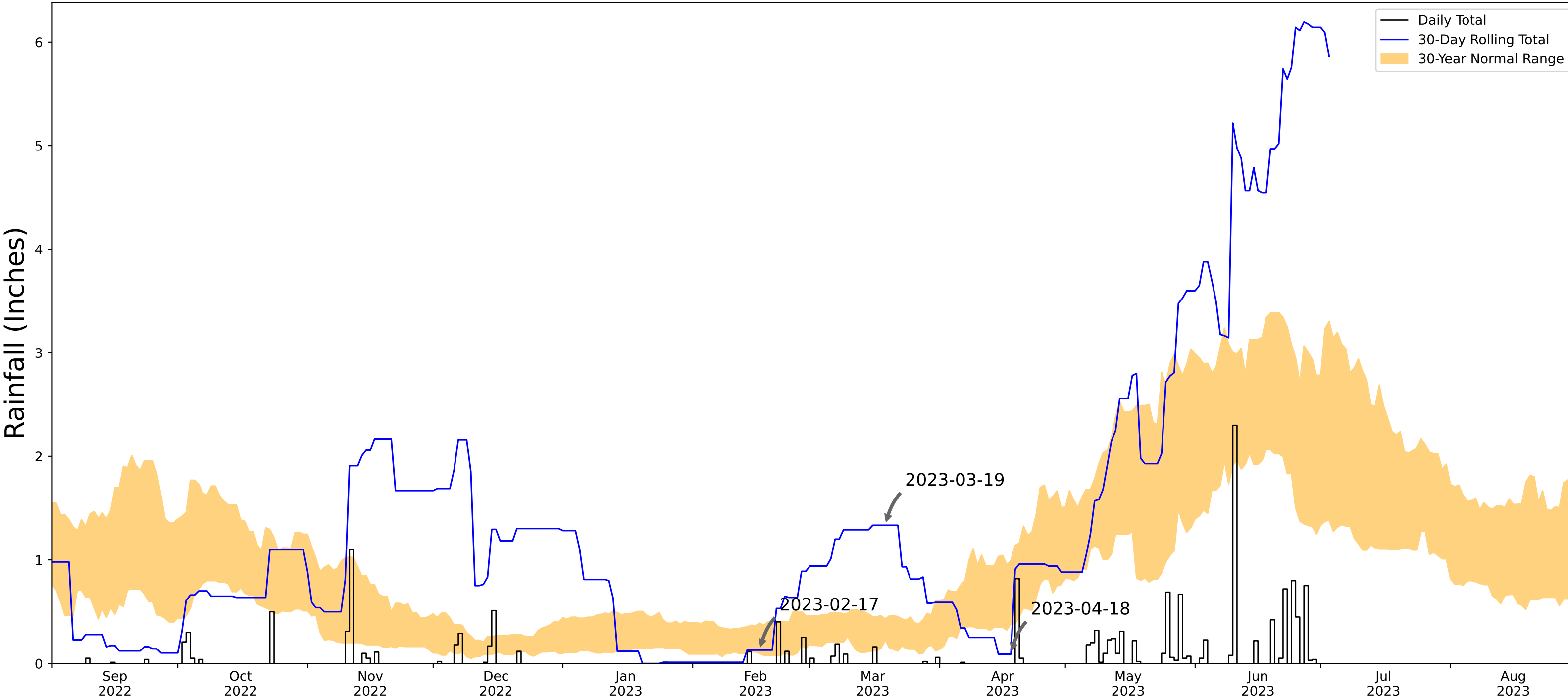
OVERALL ANALYSIS AREA RATING: III

Summary Comments: The wetlands identified were located predominately alongside created ditches.



APPENDIX E: Antecedent Precipitation GraphsAntecedent Precipitation Graph

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	46.776384, -105.314885
Observation Date	2023-04-18
Elevation (ft)	2285.881
Drought Index (PDSI)	Normal
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-04-18	0.377953	0.995276	0.090551	Dry	1	3	3
2023-03-19	0.224803	0.430709	1.334646	Wet	3	2	6
2023-02-17	0.095276	0.390551	0.129921	Normal	2	1	2
Result							Normal Conditions - 11



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Figures and tables made by the
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Version 2.0

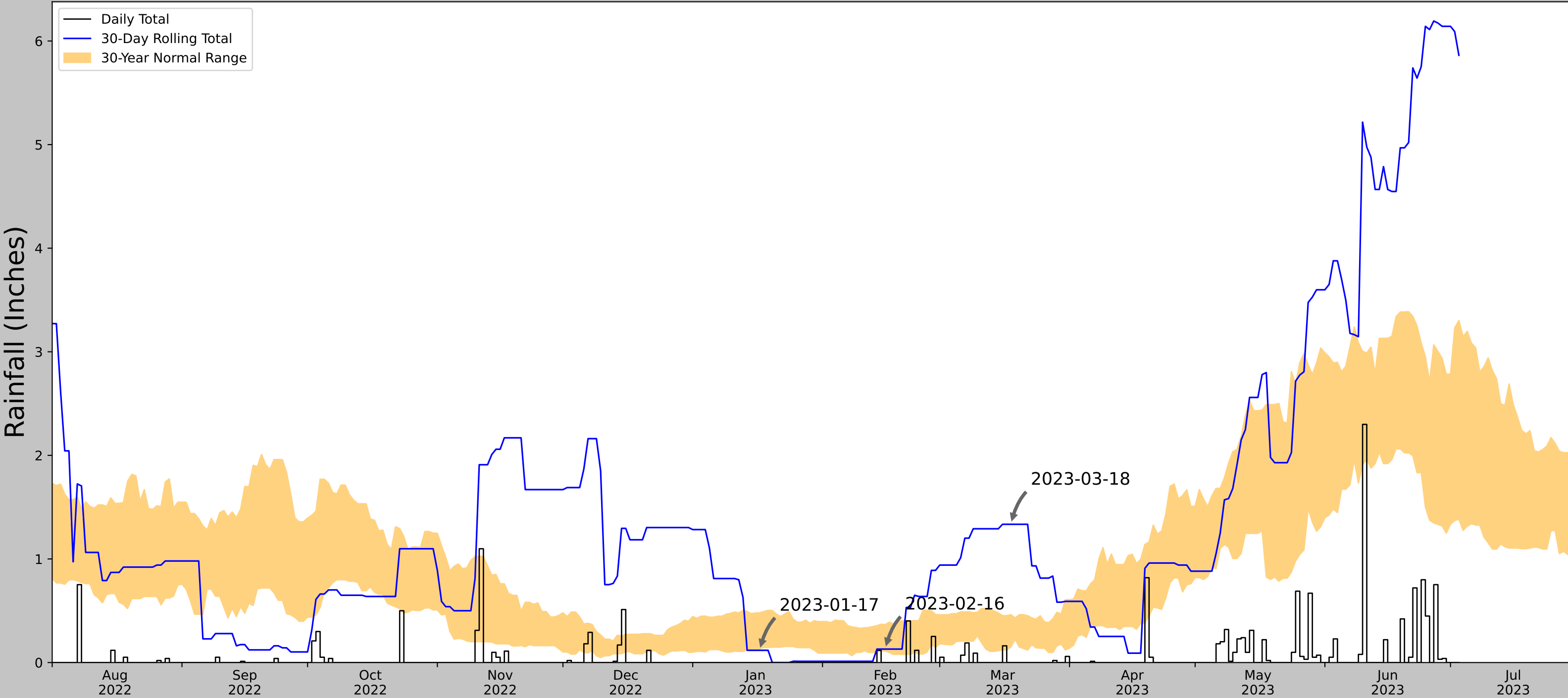
Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center



ERDC
ENGINEER RESEARCH & DEVELOPMENT CENTER

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
TERRY	46.7939, -105.3022	2250.0	1.351	35.881	0.656	10731	87
MILDRED 7 NNW	46.7697, -105.0342	2549.869	12.79	299.869	9.591	575	3
HOYT 2 WSW	46.9192, -104.8967	2126.969	21.024	123.031	12.047	45	0
KINSEY 2.3 W	46.5704, -105.7049	2366.142	24.553	116.142	13.9	2	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	46.776384, -105.314885
Observation Date	2023-03-18
Elevation (ft)	2285.881
Drought Index (PDSI)	Incipient wetness
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-03-18	0.149606	0.462205	1.334646	Wet	3	3	9
2023-02-16	0.111811	0.366535	0.129921	Normal	2	2	4
2023-01-17	0.132677	0.479921	0.11811	Dry	1	1	1
Result							Normal Conditions - 14



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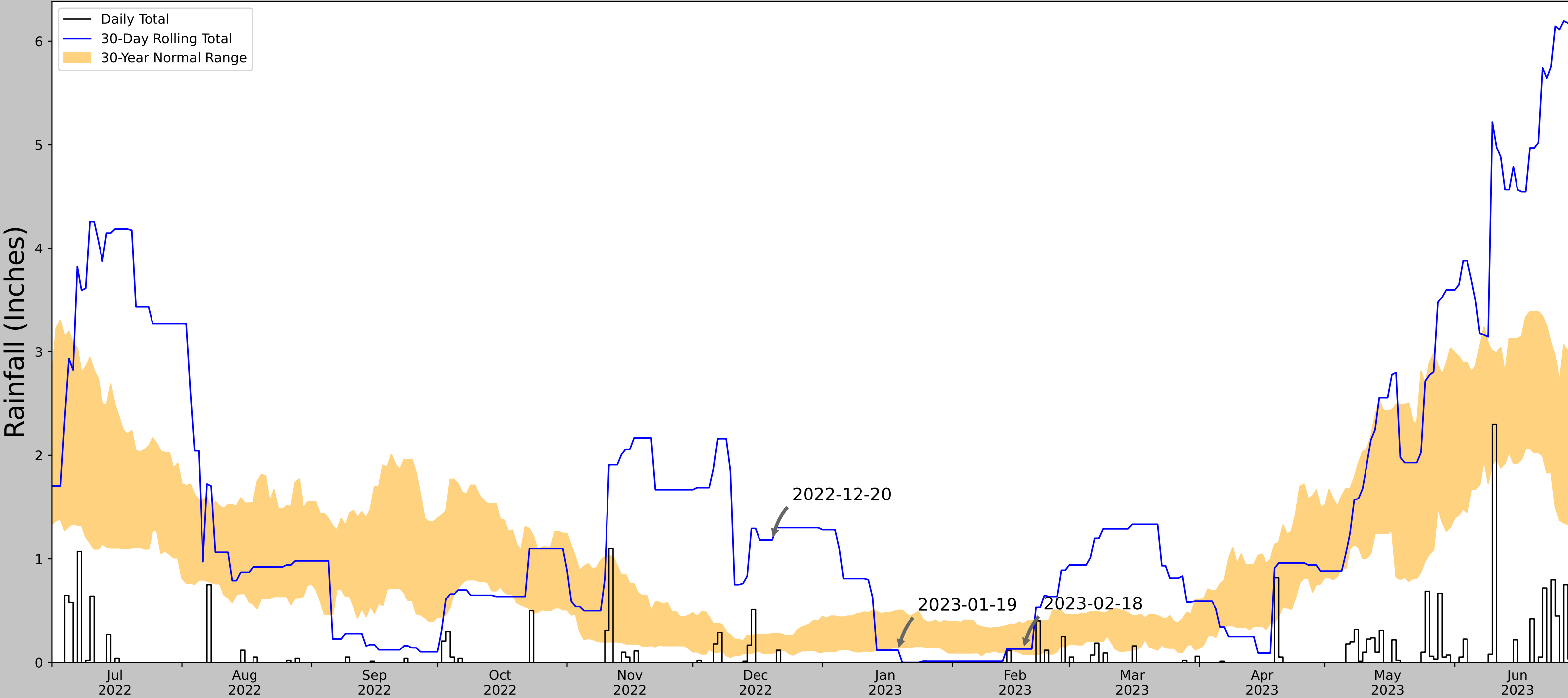
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HOYT 2 WSW	46.9192, -104.8967	2126.969	21.024	123.031	12.047	45	0
KINSEY 2.3 W	46.5704, -105.7049	2366.142	24.553	116.142	13.9	2	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	46.776384, -105.314885
Observation Date	2023-02-18
Elevation (ft)	2285.881
Drought Index (PDSI)	Incipient wetness
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-02-18	0.07874	0.37126	0.129921	Normal	2	3	6
2023-01-19	0.144882	0.503937	0.11811	Dry	1	2	2
2022-12-20	0.084646	0.278346	1.185039	Wet	3	1	3
Result							Normal Conditions - 11



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Development Center



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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
TERRY	46.7939, -105.3022	2250.0	1.351	35.881	0.656	10731	87
MILDRED 7 NNW	46.7697, -105.0342	2549.869	12.79	299.869	9.591	575	3
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KINSEY 2.3 W	46.5704, -105.7049	2366.142	24.553	116.142	13.9	2	0